



Return Bids to :

Retourner Les Soumissions à :
Natural Resources Canada

nrcan.ontariobid-soumissionontario.rncan@canada.ca

**Request for Proposal (RFP)
Demande de proposition (DDP)**

Proposal To: Natural Resources Canada

We hereby offer to sell 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, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition à: Ressources Naturelles Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments – Commentaires

Issuing Office – Bureau de distribution

Finance and Procurement Management Branch
Natural Resources Canada
183 Longwood Road South
Hamilton, ON
L8P 0A5

Title – Sujet	
Incremental Specification and standardization of Maps for the Web	
Solicitation No. – No de l’invitation	Date
NRCan-5000059855	July 6, 2021
Requisition Reference No. - N° de la demande	
166381	
Solicitation Closes – L’invitation prend fin	
at – à 02:00 PM (Eastern Daylight Savings Time (EDT))	
on – le August 4, 2021	
Address Enquiries to: - Adresse toutes questions à:	
Len.Pizzi@Canada.ca	
Telephone No. – No de telephone	Fax No. – No. de Fax
(905) 645-0676	
Destination –of Goods and Services:	
Destination – des biens et services:	
Natural Resources Canada 560 Rochester Street Ottawa, ON K1S 5K2	
Security – Sécurité	
There are no security requirements associated with this requirement.	
Vendor/Firm Name and Address	
Raison sociale et adresse du fournisseur/de l’entrepreneur	
Telephone No.:- No. de téléphone:	
Facsimile No.:- No. de télécopieur:	
Email – Courriel :	
Name and Title of person authorized to sign on behalf of Vendor/Firm (type or print)	
Nom et titre de la personne autorisée à signer au nom du fournisseur/de l’entrepreneur (taper ou écrire en caractères d’imprimerie)	
_____	_____
Signature	Date



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The Articles contained in this document are mandatory in their entirety, unless otherwise indicated. Acceptance of these Articles, in their entirety, as they appear in this document, is a Mandatory requirement of this RFP. Suppliers submitting a proposal containing statements implying that their proposal is conditional on modification of these clauses or containing terms and conditions that purport to supersede these clauses or derogate from them will be considered non-responsive.

Bidders with concerns regarding the provisions of the Bid Solicitation document (including the Resulting Contract Clauses) should raise such concerns in accordance with the Enquiries provision of this RFP.



PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

Part 1 General Information: provides a general description of the requirement;

Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;

Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;

Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;

Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;

Part 6 Security: includes specific requirements that must be addressed by Bidders; and

Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment any other annexes and attachments.

The Appendixes include the Evaluation Criteria and the Financial Proposal Form.

1.2 Summary

By means of the RFP, Natural Resources Canada (NRCan) is seeking proposals from bidders for....

1.2.1 The objectives of this contract are to establish the sound rationale and conceptual framework of accessible map rendering by Web browsers, and to obtain acceptance from key stakeholders to implement Web browser features that support standard Web maps.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing will be done in writing, by email.



PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation 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.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation with the modifications to the text below. If there is a conflict between the provisions of 2003 and this document, this document prevails.

- **In the complete text content (except Section 3) Delete:** Public Works and Government Services Canada” and **Insert:** “Natural Resources Canada.” **Delete:** “PWGSC” and **Insert:** “NRCan”
- **Section 2: Delete:** “Suppliers are required to” and **Insert:** “It is suggested that suppliers”
- **Subsection 1 of Section 8: Delete entirely**
- **Subsection 2 of Section 8: Delete entirely**
- **Under Subsection 2 of Section 20:** Not applicable

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

2.2 Submission of Bids

Bidders must submit all proposals electronically. Given the current constraints on NRCan’s networks, the electronic mail system has a limit of 1GB per single message received and a limit of 20GB per conversation. Bidders are asked to contact the Contracting Authority to confirm receipt of their bid. NRCan encourages bidders to submit all bids earlier than the closing time in order to ensure sufficient time to be received in NRCan’s server.

It is the Bidders responsibility to ensure that proposals are sent to the following e-mail address, by the time and date indicated on page 1 of this RFP document.

- Send proposals to this email address: nrcan.ontariobid-soumissionontario.rncan@canada.ca

The email address above is reserved for the submission of your proposal. No other communication should be sent to that address.

- Contact the Contracting Authority Len Pizzi at (905) 645-0676 by either telephone call or email for receipt of bid confirmation.



IMPORTANT

It is requested that you write the following information in "Subject" of the e-mail:

NRCan-5000059855 - Incremental Specification and standardization of Maps for the Web

Due to the nature of the bid solicitation, bids transmitted by mail or facsimile to NRCan will not be accepted.

NRCan will not assume responsibility for proposals directed to any other location.

The onus is on the Bidder to ensure that the proposal is submitted correctly to the above address. Not complying with the above instructions may result in NRCan's inability to ascertain reception date and/or to consider the bid prior to contract award. Therefore, NRCan reserves the right to reject any proposal not complying with these instructions.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must 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 the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, 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 Bidders.

2.5 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least five (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.



2.6 Basis for Canada's Ownership of Intellectual Property

Natural Resources Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following reasons: as set out in the [Policy on Title to Intellectual Property Arising Under Crown Procurement Contracts](#)

Where the main purpose of the Crown Procurement Contract, or the deliverables contracted for, is:

- To generate knowledge and information for public dissemination.



PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (1 electronic copy)

Section II: Financial Bid (1 electronic copy) in a separate file and document

Section III: Certifications (1 electronic copy)

Prices should appear in the financial bid only. No prices should be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) format;
- (b) use a numbering system that corresponds to the bid solicitation.

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Financial Proposal Form in Appendix "2". The total amount of Applicable Taxes must be shown separately.

Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.



PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

Mandatory and point rated technical evaluation criteria are included in Appendix "1" – Evaluation Criteria.

4.2 Basis of Selection

4.2.1 Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of 50 points overall for the technical evaluation criteria which are subject to point rating.
The rating is performed on a scale of 100 points.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% (*insert the percentage for price*) for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.



The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equal 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 70 = 59.63$	$89/135 \times 70 = 46.15$	$92/135 \times 70 = 47.70$
	Pricing Score	$45/55 \times 30 = 24.55$	$45/50 \times 30 = 27$	$45/45 \times 30 = 30$
Combined Rating		84.18	73.15	77.70
Overall Rating		1st	3rd	2nd



PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

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

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity [Provisions of the Standard Instructions \(https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/25#integrity-provisions\)](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/25#integrity-provisions), all bidders must provide with their bid, **if applicable**, the Integrity declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy \(http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

- Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder or, in the case of a private company, the owners of the company.
- Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).



- Bidders bidding as partnerships do not need to provide lists of names.

Name of Bidder: _____

OR

Name of each member of the joint venture:

Member 1: _____

Member 2: _____

Member 3: _____

Member 4: _____

Identification of the administrators/owners:

SURNAME	NAME	TITLE

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website. (https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

5.2.3 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar



qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

5.2.4 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

5.2.5 Former Public Servant

Contracts awarded to 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 the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any 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. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a 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 size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.



"pension" means 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 in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant; _____
- b. date of termination of employment or retirement from the Public Service. _____

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **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 adjustment program.

Professional fees	Amount
_____	_____
_____	_____

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

5.2.6 Aboriginal Designation

Who is eligible?

- a) An Aboriginal business, which can be:
 - i) a band as defined by the Indian Act
 - ii) a sole proprietorship
 - iii) a limited company
 - iv) a co-operative
 - v) a partnership
 - vi) a not-for-profit organization

in which Aboriginal persons have at least 51 percent ownership and control,

OR

- b. A joint venture consisting of two or more Aboriginal businesses or an Aboriginal business and a non-Aboriginal business(es), provided that the Aboriginal business(es) has at least 51 percent ownership and control of the joint venture.

When an Aboriginal business has six or more full-time employees at the date of submitting the bid, at least thirty-three percent of them must be Aboriginal persons, and this ratio must be maintained throughout the duration of the contract.

The bidder must certify in its submitted bid that it is an Aboriginal business or a joint venture constituted as described above.

- Our Company is NOT an Aboriginal Firm, as identified above.
- Our Company is an Aboriginal Firm, as identified above.



Signature

Date



PART 6 - SECURITY REQUIREMENTS

6.1 Security Requirements

There are no security requirements associated with this requirement.



PART 7 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

7.1 Statement of Work OR Requirement

The Contractor must perform the Work in accordance with the Statement of Work at Annex "____" and the Contractor's technical bid entitled _____, dated _____.

7.2 Standard Clauses and Conditions

All clauses and conditions identified in the Contract 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.

[2035](#) (2020-05-28), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.

- As applicable, replace references to Public Works and Government Services Canada (PWGSC) with Natural Resources Canada (NRCan).

7.2.2 Supplemental General Conditions

The following clauses apply to and form part of this contract:

[4007](#) (2010-08-16), Canada to Own Intellectual Property Rights in Foreground Information

7.3 Dispute Resolution

Mediation

If a dispute arising from this contract cannot be settled amicably through negotiation, then the parties agree in good faith to submit the dispute to mediation as administered by the Arbitration and Mediation Institute of Canada Inc. (AMIC). The parties acknowledge receipt of the rules of AMIC. The cost of mediation shall be borne equally by the parties.

Arbitration

If the parties cannot resolve the dispute through mediation within sixty (60) days, the parties agree to submit the dispute to arbitration pursuant to the Commercial Arbitration Act (Canada). The party requesting such arbitration shall do so by written notice to the other party/parties. The cost of the arbitration and fees of the arbitrator shall be borne equally by the parties. The arbitration shall take place in the city where the contractor carries on business before a single arbitrator to be chosen jointly by the parties. If the parties cannot agree on the choice of arbitrator within thirty (30) days of written notice to submit the dispute to arbitration, each party will choose a representative who will select the arbitrator.



The parties may determine the procedure to be followed by the arbitrator in conducting the proceedings, or may ask the arbitrator to do so. The arbitrator shall issue a written award within thirty (30) days of hearing the parties. The award may be entered in any court having jurisdiction and enforced as a judgment of that court.

Meaning of "Dispute"

The parties agree that the word "dispute" in this clause refers to a dispute of fact or of law, other than a dispute of public law.

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request or consent of the parties to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term and condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

7.4 Security Requirements

7.4.1 There is no security requirement applicable to the Contract.

7.5 Term of Contract

7.5.1 *Period of the Contract*

The period of the Contract is from date of Contract to March 31, 2022 inclusive.

7.6 Comprehensive Land Claims Agreements (CLCAs)

The Contract is not subject to any Comprehensive Land Claims Agreements.

7.7 Authorities

7.7.1 *Contracting Authority*

The Contracting Authority for the Contract is:

Name:

Title:

Organization: Natural Resources Canada

Address:

Telephone:

Facsimile:

E-mail address:

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside



the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

7.7.2 Project Authority

The Project Authority for the Contract is:

Name:
Title:
Organization:
Address:
Telephone:
Facsimile:
E-mail address:

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

7.7.3 Contractor's Representative

Name:
Title:
Organization:
Address:
Telephone:
Facsimile:
E-mail address

7.8 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

7.9 Payment

7.9.1 Basis of Payment – Firm Price, Firm Unit Price(S) or Firm Lot Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex "B" for a cost of \$ _____. Customs duties are included and Applicable Taxes are extra.



Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

7.9.2 Method of Payment

Milestone Payments

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract if:

- a. an accurate and complete claim for payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

7.10 Invoicing Instructions

Invoices shall be submitted using **one of the following methods:**

<p><u>E-mail:</u></p> <p>nrcan.invoiceimaging-servicedimageriedesfactures.nrcan@canada.ca</p> <p>Note: Attach "PDF" file. No other formats will be accepted</p>
OR
<p><u>Fax:</u></p> <p>Local NCR region: 613-947-0987</p> <p>Toll-free: 1-877-947-0987</p> <p>Note: Use highest quality settings available.</p>

Please do not submit invoices using more than one method as this will not expedite payment.

Invoices and all documents relating to a contract must be submitted on the Contractor's own form and shall bear the Contract number: _____

Invoicing Instructions to suppliers: <http://www.nrcan.gc.ca/procurement/3485>

7.11 Certifications and Additional Information

7.11.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of



the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

7.12 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

7.13 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 Agreement;
- b) the supplemental general conditions [4007](#) (2010-08-16) - Canada to Own Intellectual Property Rights in Foreground Information;
- c) the general conditions [2035](#) (2020-05-28), General Conditions - Higher Complexity – Services;
- d) Annex A, Statement of Work;
- e) Annex B, Basis of Payment; and
- f) the Contractor's bid dated _____.

7.14 Foreign Nationals (Canadian Contractor **OR** Foreign Contractor)

SACC Manual clause [A2000C](#) (2006-06-16) Foreign Nationals (Canadian Contractor)

OR

SACC Manual clause [A2001C](#) (2006-06-16) Foreign Nationals (Foreign Contractor)

7.15 Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

7.16 Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.



ANNEX “A” - STATEMENT OF WORK

Natural Resources Canada (NRCan) has a requirement to conduct Web **research** and standards **development** activities that will initiate and lead to future development activities of maps in the Hypertext Markup Language (HTML) language [1], in two or more Web browsers.

The **research activities** shall center on documenting Web maps’ usage across the Web, using the [HTTP Archive](#), augmented with other data, such as [GeoSeer](#) or similar Web map catalogs, reports on the value and cost of geospatial information to society, and so on. The **research activity deliverables** will include a report on the extent / penetration of Web maps as a quantitative and qualitative feature of how humans use the Web. The objective of the research report is two-fold: a) to demonstrate or establish the degree to which maps should be the object of Web browser standardization and development efforts, and b) to document if actual browser source code or other limitations exist on extending HTML’s accessible client-side image map facility [2] to support more modern Web maps.

Assuming that maps should be the object of Web browser standardization, the **development activities** of this Statement of Work shall include development of a standardization roadmap. The roadmap shall begin with the recommended first development or prototyping steps to be taken immediately following the conclusion of the execution of this Statement of Work and continuing stepwise through the recommended development activities that shall conclude with delivery of standardized, accessible Web maps in two or more Web browsers. The development steps that are identified by this roadmap shall have the additional constraint that they be identified or expressed in terms of shared and shareable [Web platform primitive features](#). The required Web platform mapping primitives may already exist, in the form of HTML elements (e.g., client-side image maps [2]), browser APIs [3] or CSS [4] concepts, or they may need to be specified and developed from scratch. In either case, the development steps must be described and enumerated in terms of existing or yet-to-be-developed and shareable Web Platform primitives.

SW.1.0 TITLE

Incremental Specification and standardization of Maps for the Web.

SW.2.0 BACKGROUND

NRCan leads the GeoConnections program which has a mandate to drive standards, data sharing, and integration for the Canadian Spatial Data Infrastructure (CGDI) [10]. The Web does not have a standard for maps. Although there are innumerable companies and organizations providing Web maps, they are often proprietary, non-interoperable, hard to implement, and are not accessible to assistive technology users. The result is a barrier to the use and sharing of the geospatial information, disabled or otherwise, which reduces or impedes the value of Canadians’ investments in the CGDI. The GeoConnections program seeks to engage the Web and geospatial standards communities to come together to solve these issues.

Natural Resources Canada has collaboratively and jointly developed a proposal to extend the HTML standard to include maps as a media type in the HTML family. The proposed standard is known as the [Map Markup Language](#) (MapML) and has been developed with the geospatial and Web community via the public W3C-hosted Maps for HTML Community Group, as well as through the efforts of the geospatial standards community membership in recent projects of the Open Geospatial Consortium Innovation Program.

In September 2020, NRCan hosted a virtual, worldwide workshop that engaged the Web mapping and Web Platform standards communities. The workshop hosted a global cross-community discussion, which was summarized in the form of a workshop report [5]. The workshop report established the sound basis and rationale for standardizing maps on the web, including missing interface elements, and placed an added emphasis on **the variable or missing and underspecified accessibility of Web maps**.



As the next step in facilitating the implementation of **accessible** Web maps, NRCan requires the Web research and standards development activities described by this statement of work be executed and project-managed, with tangible and predictable results.

SW.3.0 OBJECTIVES

The objectives of this contract are to establish the sound rationale and conceptual framework of **accessible** map rendering by Web browsers, and to obtain acceptance from key stakeholders to implement Web browser features that support standard Web maps.

Deliverables will include an analysis of underlying technologies and how they are currently being used by Web developers. Deliverables will be used as input into the design and advocate for changes to HTML, CSS, DOM and JavaScript to implement standardized accessible Web maps. Planning deliverables include a browser development roadmap, with planned development increments (primitives to be developed) identified and described as accurately and precisely as possible given the project status and relevant inputs.

SW.4.0 PROJECT REQUIREMENTS

SW.4.1 Tasks, Deliverables, Milestones and Schedule

Task	Activities	Deliverables/Milestones	Time Schedule
1	Web research and analysis of Web maps as they exist	A research report which documents the use of maps across the Web, what web developers need from them, and their rendering characteristics, using data from the HTTP Archive, surveys of and/or interviews with web map developers, and analysis of browser source code.	September 30th 2021
2	Development Roadmap	Recommendation on how Web maps standards should be developed, and how to stage the development of the standards in a way that will be operable for Web browser development teams. Recommendations should be made considering the complete Map Markup Language vocabulary and API.	



SW.4.2 Reporting Requirements

The project execution shall take place over a defined 6-month work schedule and requires a monthly status report of (minimum) one page / 500 words. Each month's report shall be delivered at a monthly meeting to be led by the contractor and attended by the Project and Technical Authorities, as well as others as required. Draft final deliverables for both tasks are required at the end of the third month. A final comprehensive project report shall replace the last monthly report. The final report shall include two parts: Part One will thoroughly describe the Web research, its methodology, results, and conclusions. Part Two will comprise the proposed project standards development roadmap, with identified steps and estimated levels of effort on a per-step basis. Each step description shall identify the shareable Web platform primitives that are relevant to the step, with a particular focus on those Web platform primitives (JavaScript, HTML and CSS) that may not already exist or that do already exist in a form that may need extension, to achieve the project development goals. At the conclusion of the contract and for a period of minimum one year, the contractor is required to publish a summary of the project results (approved by the Project and Technical Authorities) via their public corporate Website, as well as in the form of an approved presentation at a recognized and agreed-upon Web development conference, for example: Chrome Developer Summit, MozFest, Web Engines Hack Fest, BlinkOn, WWDC etc.

SW.4.3 Method and Source of Acceptance

All deliverables and services rendered under any contract are subject to inspection by the Project Authority. The Project Authority shall have the right to reject any deliverables that are not considered satisfactory or require their correction before payment will be authorized.

SW.4.4 Specifications and Standards

The research deliverables of Task 1 will be accomplished primarily through application of tools provided by the HTTP Archive project, as well as analysis of relevant browser source code. The HTTP archive enables powerful queries of HTTP crawl output of the most popular domains on the Web. The strategy and methodology of the HTTP archive research will be established by the contractor at project initiation and shall be presented to and approved by the project Technical Authority. Similarly, a strategy and method for analysis of relevant browser source code shall be presented and likewise approved. The deliverable of Task 2, namely a proposed development project roadmap shall be based on analysis of the Use Cases and Requirements Fulfillment Matrix, which documents the relationship between the Use Cases and Requirements for Web Maps and the Map Markup Language, its polyfill, and any related documentation.

SW.4.5 Technical, Operational and Organizational Environment

Work shall be carried out within the public W3C Maps for HTML Community Group, WHATWG and W3C repositories on GitHub, and on other appropriately licensed repositories if required, with the approval of the Project Contracting Authority.

New parts of HTML [1], CSS [4], and the DOM [9] proposed under this initiative should share semantics with the 2D mapping standards community (Open Geospatial Consortium [OGC]), the assistive technology community, and the medical and engineering imaging fields. Work done under this contract will focus on 2D geospatial mapping but must anticipate supporting extensibility to 3D and 4D semantics in future iterations.

This work will build on existing patterns and standards where possible, including [OGC Simple Features](#), [GeoJSON](#), [Web Map Service \(OGC-WMS\)](#), [Web Map Tile Service \(OGC-WMTS\)](#), [Coordinate Reference Systems \(CRS\)](#), and others.

SW.5.0 OTHER TERMS AND CONDITIONS OF THE SOW

SW.5.1 Contractor's Obligations



In addition to the obligations outlined in Section 2 of this Statement of Work, the Contractor shall:

- 1) Ensure that all employees and subcontractors contributing to this contract are licensed and affiliated to the contractor's business within the W3C Maps for HTML Community Contributors' license agreement.
- 2) Submit all written reports in hard copy and electronic Microsoft Office Word format.
- 3) Organize and lead project progress teleconference meetings with the Project and Technical Authorities

SW.5.2 NRCan's Obligations

- Provide access to a staff member (the Technical Authority or the Project Authority) who will be available to coordinate activities
- Provide comments on draft reports within five (5 working days) and/or,
- Provide other assistance or support as required through project execution.

SW.5.3 Estimated Period of the Contract

The estimated working period of the contract is from the date of Contract Award to date of Contract Award plus 6 months. It will be prudent to begin the contract with 7 or more months before the final deliverable due date, to allow for staff time allocation flexibility.

SW.5.4 Location of Work, Work Site and Delivery Point

All work is to be performed at the Contractor's place of business, except for the presentation of the results, which should take place in person at a Web platform conference to be agreed upon at project inception. Travel costs, arrangements and conference fees shall be the sole responsibility of the contractor.

SW.5.5 Language of Work

The contractor's work shall be conducted in English.

SW.6.0 REQUIRED RESOURCES OR TYPES OF ROLES TO BE PERFORMED

The contractor shall provide a person-resource who is an expert in the HTML language. In particular, the resource shall be an expert in performing HTTP Archive Web research, and in analyzing and interpreting the results of such research.

The contractor shall provide a person-resource who is an expert in reading and understanding browser source code. In particular, the person-resource shall have experience in evaluating how potential changes to browser code could impact Web compatibility. The particular browser source code in this project involves that which supports client-side image maps [2], as well as how specific HTML parser changes may or may not impact browser performance, security, interoperability and accessibility.

The contractor shall provide a person-resource who is an established expert with a track record in persuading browser developers on the merits of browser feature designs, and who can present a compelling case for the same in a public forum such as a conference presentation.

The contractor shall provide a person-resource that is an established expert in Web mapping and geospatial technology, and who is able without bias, to evaluate and expertly advise the contractor on the pros and cons of different standardization designs for Web maps.



SW.7.0 APPLICABLE DOCUMENTS AND GLOSSARY

SW.7.1 Bibliography

- [1] <https://developer.mozilla.org/en-US/docs/Web/HTML>
- [2] <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/map>
- [3] <https://developer.mozilla.org/en-US/docs/Web/API>
- [4] <https://developer.mozilla.org/en-US/docs/Web/CSS>
- [5] <https://www.w3.org/2020/maps/report>
- [6] [OGC Web Map Service](#)
- [7] [OGC Web Map Tile Service](#)
- [8] [OSGeo Tile Map Service](#)
- [9] https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model
- [10] [Canadian Geospatial Data Infrastructure](#)

SW.7.2 Relevant Terms, Acronyms and Glossaries

Term - definition or explanation, with example.

Web Platform primitive - a feature of HTML, JavaScript or CSS that is fundamental (indivisible) and upon which other Web Platform features may depend. For example, the <video> element is such a primitive upon which other Web Platform features depend, such as WebRTC, because characteristics of the video rendering engine are exposed, also as primitives (browser-provided API objects, methods and events in the latter case).

HTML Standard - a “living standard”, maintained by contributors to browser engines, as a version controlled repository, which publishes updates to the standard as they are dynamically merged.

HTTP Archive - an open project connected to and supported by the Web browser developer community, in particular Google and Mozilla, which provides discussion forums, tools and reporting supported by the monthly tabulation of big data results from a “common crawl” of the top million Web sites.

Web Map Service (WMS) - an Open Geospatial Consortium (OGC) standard Web API that provides access to dynamic map images and feature query through a set of defined URL query parameters and values.

Web Map Tile Service (WMTS) - a standard OGC Web API that provides access to map tiles. Tiles may be created by a WMS behind the interface. The API may be realized by defined URL path segments or by defined URL query parameters and values.

Tile Mapping Service (TMS) - an early Open Source Geospatial Foundation (OSGeo) attempt to describe and standardize a Web map tile API. Superseded by WMTS.

Coordinate Reference System (CRS) - A CRS defines the parameters that relate or reference coordinates to locations on Earth or other object, depending on the reference. Spatial reference systems are a more abstract concept, encompassing astronomical and extraterrestrial coordinate systems.

GeoJSON (Geography JavaScript Object Notation)- a standard JSON encoding of OGC Simple Features, allowing Web developers to exchange feature geometry and metadata between Web applications and servers.

OGC (Open Geospatial Consortium) Simple Features (OGC-SF) - a standard model that defines a geometry model for points, linestrings, polygons, multipoints, multilinestrings and multipolygons, and combines the geometry model with a property metadata model, resulting in an overall “geographic feature” model. OGC Simple Features is widely implemented. Popular examples include shapefiles, GeoJSON and the PostgreSQL/PostGIS spatial database.



GeoSeer - geoseer.net is a geospatial Web services / API search engine, similar in conceptual function to a more narrowly scoped Google search engine; the scope results available from GeoSeer are limited to Web mapping API endpoints (URLs), including WMS, WFS, WCS, WMTS, and ESRI REST API.

Extensible Web Manifesto - extensiblewebmanifesto.org is a petition from Web developers to browser developers that urges browser developers to adopt an iterative approach to developing Web standards, such as HTML, by prioritizing the development of “low level” features and browser APIs, from the use of which by Web developers world-wide, will emerge requirements for new HTML elements, such as Web maps.

Map Markup Language (MapML) - MapML is a community-proposed extension of HTML that incorporates map and layer semantics into the XHTML namespace. MapML is used either inline in an HTML document, using the HTML syntax, or as a (currently) XHTML-encoded document and media type that is fetched and parsed with Web browsers’ built in JavaScript engine and XML parser.

Polyfill - a polyfill is a JavaScript library (or other technique) that compensates for interoperability gaps of support for a particular Web standard between different browsers, so that end-users are not directly impacted by imperfect or missing implementations of standards across the Web Platform



ANNEX "B" - BASIS OF PAYMENT



APPENDIX “1” - EVALUATION CRITERIA

Bidders are advised to address these criteria in the following order and in sufficient depth in their proposals to enable a thorough assessment. NRCan’s assessment will be based solely on the information contained within the proposal. NRCan may confirm information or seek clarification from bidders.

Bidders are advised that only listing experience without providing any supporting data to describe responsibilities, duties and relevance to the criteria will not be considered demonstrated for the purpose of this evaluation.

The Bidder should provide complete details as to where, when (month and year) and how (through which activities/responsibilities) the stated qualifications/experience were obtained. Experience gained during formal education shall not be considered work experience. All criteria for work experience shall be obtained in a legitimate work environment as opposed to an educational setting. Co-op terms are considered work experience provided they are related to the required services.

Bidders are also advised that the month(s) of experience listed for a project whose time frame overlaps that of another referenced project will only be counted once. For example: project one time frame is July 2001 to December 2001; project two time frame is October 2001 to January 2002; the total months of experience for these two project references is seven (7) months.

1. Technical Criteria

1.1 *Mandatory Evaluation Criteria*

The Mandatory Criteria listed below will be evaluated on a simple pass/fail basis. Proposals which fail to meet the mandatory criteria will be deemed non-responsive.



Criterion ID	Mandatory Criteria	Proposal Page #	Pass/Fail
M1	<p>For at least one proposed resource named in the Bidder's proposal, the Bidder MUST provide three distinct (3) examples with evidence of contributions to the HTML Standard during the past five (5) years.</p> <p>For each Contribution to the HTML Standard, the Bidder MUST provide:</p> <ol style="list-style-type: none"> 1. the name of the browser API or feature under which the contribution was made; 2. a brief description of the scope and nature of the contribution; 3. the date of the contribution; 4. links to the pull request(s) that constitute the contribution as a whole; 5. the level of effort in person days that the contribution represents; 6. a description of the methodology and tools used to develop the contribution; 7. links to Web Platform Tests for the contribution <p><i>NRCan reserves the right to verify the validity of each of the Bidders cited contributions by comparing the descriptions provided with linked pull requests and Web Platform tests.</i></p>		
M2	<p>For at least one proposed resource named in the Bidder's proposal, the Bidder MUST provide three distinct (3) examples with evidence of contributions to* OpenLayers or equivalent Web mapping library (equivalents include, but are not limited to: Google, Apple, Azure, ESRI, or HERE Maps) during the past five (5) years.</p> <p>For each Contribution to a Web mapping library (such as OpenLayers, etc), the Bidder MUST provide:</p> <ol style="list-style-type: none"> 1. the name of the feature under which the contribution was made; 2. a brief description of the scope and nature of the contribution; 3. the date of the contribution; 4. links to the pull request(s) that constitute the contribution as a whole; 5. the level of effort in person days that the contribution represents; 6. a description of the methodology and tools used to develop the contribution; 7. links to tests that validate the contribution <p><i>NRCan reserves the right to verify the validity of each of the Bidders cited contributions by comparing the descriptions provided with linked pull requests and associated tests.</i></p> <p>*Contributions to a mapping library are distinct from use of that library. Contributions are development of the library, not use of the library by other developers.</p>		



Criterion ID	Mandatory Criteria	Proposal Page #	Pass/Fail
M3	<p>For at least one proposed resource named in the Bidder's proposal, the Bidder MUST provide evidence of contribution(s) to the native code of a Web browser engine (such as but not limited to: Chromium, Blink, WebKit, Presto, Gecko, Internet Explorer) during the past ten (10) years.</p> <p>For each Contribution to a Web browser engine, the Bidder MUST provide:</p> <ol style="list-style-type: none"> 1. the name of the feature under which the contribution was made; 2. a brief description of the scope and nature of the contribution; 3. the date of the contribution; 4. links to the pull request(s) that constitute the contribution as a whole; 5. the level of effort in person days that the contribution represents; 6. a brief description of the methodology and tools used to develop the contribution; 7. links to tests that validate the contribution <p><i>NRCan reserves the right to verify the validity of each of the Bidders cited contributions by comparing the descriptions provided with linked pull requests and tests.</i></p>		
M4	<p>For at least one proposed resource named in the Bidder's proposal, the Bidder MUST provide evidence of contribution(s) to the HTTP Archive Web Almanac during the past three (3) years.</p> <p>For each Contribution to the HTTP Archive Web Almanac, the Bidder MUST provide:</p> <ol style="list-style-type: none"> 1. the name of the section under which the contribution was made; 2. a brief description of the scope and nature of the contribution; 3. the date of the contribution; 4. the level of effort in person days that the contribution represents; 5. a brief description of the methodology and tools used to develop the contribution; <p><i>NRCan reserves the right to verify the validity of each of the Bidders cited contributions by comparing the descriptions provided with cited results and linked pull requests.</i></p>		
M5	<p>The Project Team Leader MUST have at least eight (8) years of experience with Web Platform development, including browser development, Web Platform Test development and Web standard(s) development</p>		



Criterion ID	Mandatory Criteria	Proposal Page #	Pass/Fail
M6	<p>Bidders must include within their proposal a detailed curriculum vitae (CV) for each proposed resource named in their proposal. CVs must include the following:</p> <p>a detailed description of the proposed resource's work experience (indicated in years/months) in Web standards, Web mapping or browser development;</p>		
M7	<p>Bidder proposals, including curricula vitae and project descriptions MUST be less than 100 pages. Project descriptions MUST be included in the proposal – they cannot be evaluated if they are linked documents. The only use of linked documents should be to provide proof of contributions such as pull requests for code and tests.</p> <p><i>NRCan reserves the right to review only the first 100 pages submitted.</i></p>		

1.2 Evaluation of rated criteria

The criteria contained herein will be used by NRCan to evaluate each proposal that has met all of the mandatory criteria.

Proposals must achieve the stated minimum points required overall for the rated criteria to be assessed as responsive under the point rated technical criteria section; proposals not meeting the minimum required points will be deemed non-responsive.

Proposals will be evaluated based on the following criteria:

Criterion ID	Point Rated Technical Criteria	Minimum Points /Maximum Points	Proposal Page #
R1	<p>Contribution Summaries</p> <p>Each contribution provided in response to Mandatory Requirement 1 will be evaluated against the proposed resources current and previous experience in successfully conceiving, socializing, specifying, testing and integrating new or improved features into the HTML Standard, and on the relevance, similarity and applicability to NRCan's requirement.</p> <p>The Contribution Summaries will evaluated against the following factors:</p> <ul style="list-style-type: none"> ▪ Demonstration of experience with or understanding of NRCan's desired outcomes for the maps for HTML community's goals as defined within the Statement of Work; Max 2 points ▪ Similarity or relevance of cited projects to NRCan's requirement as defined within the Statement of Work; Max 5 points 	10	



	<ul style="list-style-type: none"> The development of Web Platform features similar in scope to maps in HTML; Max 3 points 		
R2	<p>Contribution Summaries</p> <p>Each contribution provided in response to Mandatory Requirement 2 will be evaluated against the proposed resource(s) current and previous experience in successfully conceiving, socializing, developing, testing and deploying features to the a Web mapping platform such as OpenLayers (or equivalent e.g. Azure Maps, Google Maps, HERE Maps, Amazon Maps, Apple Maps, ArcGIS Web Maps etc.) and on the relevance, similarity and applicability to NRCan’s requirement.</p> <p>The Contribution Summaries will evaluated against the following factors:</p> <ul style="list-style-type: none"> Demonstration of experience with or understanding of NRCan’s desired outcomes for the maps for HTML community’s goals as defined within the Statement of Work; Max 10 points Similarity or relevance of cited contributions to NRCan’s requirement as defined within the Statement of Work; Max 10 points The development of Web mapping features that implement accessibility for persons with disabilities; Max 10 points 	30	
R3	<p>Contribution Summaries</p> <p>Each contribution provided in response to Mandatory Requirement 3 will be evaluated against the proposed resources current and previous experience in successfully developing, testing and deploying native code features to the Web Platform in a modern browser, and on the relevance, similarity and applicability to NRCan’s requirement.</p> <p>The Contribution Summaries will evaluated against the following factors:</p> <ul style="list-style-type: none"> Demonstration of experience with or understanding of NRCan’s desired outcomes for the maps for HTML community’s goals as defined within the Statement of Work; Max 10 points Similarity or relevance of cited projects to NRCan’s requirement as defined within the Statement of Work; Max 10 points The development of Web Platform features similar in scope to maps in HTML; Max 10 points 	30	
R4	<p>Contribution Summaries</p> <p>Each contribution provided in response to Mandatory Requirement 4 will be evaluated against the proposed resource(s) current and previous experience in querying, analyzing, reporting and documenting the HTTP Archive project’s common crawl results, and on the relevance, similarity and applicability of such experience to NRCan’s requirement.</p> <p>The contribution summaries will evaluated against the following factors:</p> <ul style="list-style-type: none"> Similarity or relevance of the cited contributions to NRCan’s requirement as defined within the Statement of Work; Max 10 points 	20	



	<ul style="list-style-type: none">Use of HTTP Archive facilities, resources and reporting contributions to the HTTP Archive Project reporting; Max 10 points		
R5	<p>Project Management</p> <p>The experience of the project leader resource proposed in response to Mandatory Requirement 5 will be evaluated on the relevance or similarity of the experience cited to NRCan's requirements for maps in HTML as described in the Statement of Work.</p> <p>The experience of the project leader will be evaluated on the relevance or similarity of the experience cited to NRCan's requirements as described in the Statement of Work against the following factors:</p> <ul style="list-style-type: none">Knowledge of Web standards, including HTML (including SVG and MathML), CSS, JavaScript and browser APIs. Max 3 pointsThe development of Web features that implement accessibility for persons with disabilities; Max 4 pointsKnowledge of browser native code internals; Max 3 points	10	
Total points		100	



APPENDIX “2” - FINANCIAL PROPOSAL FORM

1. Firm Price - Milestone Payments

Bidder tendered all-inclusive firm price to perform the work is in Canadian funds, applicable taxes excluded. Any Travel and Living Expenses and other miscellaneous expenses must be included in the firm price.

The bidder must complete the schedule below indicating the firm proposed amounts for each step according to the indicated percentages:

Milestone #	Description of Milestone	Firm Price (Applicable Taxes Excluded)
1	Web research and analysis of Web maps as they exist - September 30, 2022 80% of overall contract value	\$ _____
2	Development Roadmap - March 31, 2022 20% of overall contract value	\$ _____
Total Firm Price for Financial Proposal Evaluation:		\$ _____