

<p>RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>Hard Copy:</p> <p>Electronic Copy: ec.soumissions-bids.ec@canada.ca</p> <p>BID SOLICITATION DEMANDE DE SOUMISSIONS</p> <p>PROPOSAL TO: ENVIRONMENT CANADA</p> <p>We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and conditions set out or referred to in the document, at the price(s) provided.</p> <p>SOUSSION À: ENVIRONNEMENT CANADA</p> <p>Nous offrons d'effectuer ou de fournir au Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document, au(x) prix indiqué(s).</p>	<p>Title – Titre Aerological Observations and Related Services, Vernon BC Upper Air Station</p>	
	<p>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP 5000053232</p>	
	<p>Date of Bid solicitation (YYYY-MM-DD) – Date de la demande de soumissions (AAAA-MM-JJ) 2020-10-28</p>	
	<p>Bid Solicitation Closes (YEAR-MM- DD) - La demande de soumissions prend fin (AAAA-MM-JJ)</p> <p>at – à 1200 on – le 2020-11-23</p>	<p>Time Zone – Fuseau horaire Eastern Standard Time</p>
	<p>F.O.B – F.A.B Destination</p>	
	<p>Address Enquiries to - Adresser toutes questions à Aurora Hudson aurora.hudson@canada.ca</p>	
	<p>Telephone No. – N° de téléphone 819-938-3203</p>	<p>Fax No. – N° de Fax</p>
	<p>Delivery Required (YEAR-MM-DD) – Livraison exigée (AAAA- MM-JJ) See herein</p>	
	<p>Destination - of Services / Destination des services See herein</p>	
	<p>Security / Sécurité There is a security requirement associated with this requirement, see herein</p>	
	<p>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l'entrepreneur</p>	
	<p>Telephone No. – N° de téléphone</p>	<p>Fax No. – N° de Fax</p>
	<p>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)</p> <p>Signature _____ Date _____</p>	

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TITLE: Aerological Observations and Related Services, Vernon BC Upper Air Station

PART 1 - GENERAL INFORMATION

1. Introduction

The bid solicitation is divided into seven (7) 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: includes the certifications to be provided;
- Part 6 Security and Other Requirements: 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 Attachments include the Mandatory Technical Criteria And Point Rated Technical Criteria.

The Annexes include the Statement of Work, the Basis of Payment, the Security Requirements Checklist, the Federal Contractors Program for Employment Equity - Certification, Insurance Requirements, Letter of Availability and Willingness to Perform Work, and Work Experience Template.

2. Summary

- 2.1 Environment and Climate Change Canada has a requirement for Aerological Observations and Related Services at Vernon Upper Air Station as detailed in the Statement of Work, Annex A to the bid solicitation.

The period of the contract will be for a two (2) year period from date of contract award, estimate 01 December 2020, with provisions for a single additional one (1) year option period.

- 2.2 There is a security requirement associated with this requirement. For additional information, consult Part 6 – Security Requirements, and Part 7 - Resulting Contract Clauses. For more information on personnel and organization security screening or security clauses, bidders should refer to the [Canadian Industrial Security Directorate \(CISD\), Industrial Security Program](http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html) of Public Works , Government Services Canada website (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>), and [Contract Security Program](https://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<https://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>)
- 2.3 Bidders must provide a list of names, or other related information as needed, pursuant to section 01 Integrity Provisions of Standard Instructions 2003.
- 2.4 For services requirements, bidders in receipt of a pension or a lump sum payment must provide the required information as detailed in Article 3 of Part 2 of the bid solicitation.

- 2.5 The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), and the Canadian Free Trade Agreement (CFTA).
- 2.6 There is a Federal Contractors Program (FCP) for employment equity requirement associated with this procurement; see Part 5 - Certifications, Part 7 - Resulting Contract Clauses and the annex named Federal Contractors Program for Employment Equity - Certification.

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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

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 PWGSC [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.

The standard instructions 2003 are modified as follows:

Under “Text” at 02:

Delete: “Procurement Business Number”

Insert: “Deleted”

At Section 02 Procurement Business Number

Delete: In its entirety

Insert: “Deleted”

At Section 05 Submission of Bids, Subsection 05 (2d):

Delete: In its entirety

Insert: “send its bid only to Environment Canada (EC) as specified on page 1 of the bid solicitation or to the address specified in the bid solicitation;”

At Section 06 Late Bids:

Delete: “PWGSC”

Insert: “Environment Canada”

At Section 07 Delayed Bids:

Delete: “PWGSC”

Insert: “Environment Canada”

At Section 08 Transmission by Facsimile, Subsection 08 (1):

Delete: In its entirety

Insert: “Bids may be submitted by facsimile if specified in the bid solicitation.”

At Section 12 Rejection of Bid, Subsection 12 (1) a. and b.:

Delete: In their entirety

Insert: “Deleted”

At Section 17 Joint Venture, Subsection 17 (1) b.:

Delete: “the Procurement Business Number of each member of the joint venture,”

Insert: “Deleted”

At Section 20 Further Information, Subsection 20 (2):

Delete: In its entirety

Insert: “Deleted”

At Section 05 Submission of Bids, Subsection 05 (4):

Delete: “sixty (60) days”

Insert: "one hundred and twenty (120) days"

1.1 PWGSC SACC Manual Clauses

A7035T (2007-05-25), List of Proposed SubContractors

2. Submission of Bids

Bids must be submitted to Environment and Climate Change Canada (ECCC) at the address and by the date, time and place indicated on page 1 of the bid solicitation.

3. Former Public Servant – Competitive Bid

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 FPS, 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 FPS 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.

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.

4. 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.

5. Applicable Laws

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

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.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

- Section I: Technical Bid (1 hard copies or 1 soft copies in PDF format)
- Section II: Financial Bid (1 hard copies or 1 soft copies in PDF format)
- Section III: Certifications (1 hard copies or 1 soft copies in PDF format)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must 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) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders; and
- (3) print on both sides of the paper.

Note for electronic submission of bids:

In order to be considered, bids must be received no later than the date and time indicated on the cover page to herein as the "Closing Date." Bids received after the Closing Date will be considered non-

responsive and will not be considered for contract award. Bids submitted by email must be submitted ONLY to the following email address:

Email Address: ec.soumissions-bids.ec@canada.ca
Attention: Aurora Hudson
Solicitation Number: 5000053232

Bidders should ensure that their name, address, Closing Date of the solicitation and Solicitation Number are clearly indicated in the body of their email. Bids and supporting information may be submitted in either English or French.

The total size of the email, including all attachments, must be less than 15 megabytes (MB). It is each Bidder's responsibility to ensure that the total size of the email does not exceed this limit.

Bids sent by fax will not be accepted.

It is important to note that emails systems can experience systematic delays and, at times, large attachments may cause systems to hold or delay transmission of emails. It is solely the Bidder's responsibility to ensure that the Contracting Authority receives a bid on time, in the mailbox that has been identified for bid receipt purposes. Date stamps for this form of transmission are not acceptable.

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 and describe their approach 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.

Part 4, Evaluation Procedures, contains additional instructions that bidders should consider when preparing their technical bid.

Section II: Financial Bid

- 1.1** Bidders must submit their financial bid in accordance with the Basis of Payment in Annex B. The total amount of Applicable Taxes must be shown separately.
- 1.2** Bidders should include the following information in their financial bid:
 - (a) Their legal name; and
 - (b) The name of the contact person (including this person's mailing address, phone and facsimile numbers and email address) authorized by the Bidder to enter into communications with Canada with regards to their bid; and any contract that may result from their bid.

1.3 Other clauses

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

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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.

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subContractors, or suppliers will not be considered.

Mandatory and point rated technical evaluation criteria are included in Attachment 1 to Part 4.

1.2 Financial Evaluation

Refer to Annex "B" Basis of Payment

1.2.1 Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, Canadian customs and excise taxes included.

2. Basis of Selection

2.1 Basis of Selection - 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;
 - (b) meet all mandatory criteria; and
 - (c) obtain the required minimum of 172 points overall for the technical evaluation criteria which are subject to point rating.

The rating is performed on a scale of 245 points.

- 2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
- 3. The evaluation will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60% for the technical merit and 40% 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 60%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40%.
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 (3) bids are responsive and the selection of the Contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)

	Bidder		
	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	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating	83.84	75.56	80.89
Overall Rating	1st	3rd	2nd

**ATTACHMENT 1 TO PART 4,
MANDATORY TECHNICAL CRITERIA AND POINT RATED TECHNICAL CRITERIA**

1. Technical Evaluation Criteria

Proposed resources may be employees of the Bidder or employees of a subcontractor, or these individuals may be independent Contractors to whom the Bidder would subcontract a portion of the Work

For bid evaluation criteria where the experience of proposed resources is provided, Bidders are advised that the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience. For example: Project 1 time frame is July 2001 to December 2001; Project 2 time frame is October 2001 to January 2002; the total months of experience for these two projects references is seven (7) months.

It is the Bidder's responsibility to ensure that a sufficient level of information is included in the proposal to allow the evaluation team to make an accurate assessment of the bid.

The bidder is also highly encouraged not to copy and paste from the RFP or MANUPP when referencing any experience or justifications anywhere in their technical evaluation as this will not be acceptable nor will it be considered as an appropriate response.

1.1 MANDATORY TECHNICAL CRITERIA:

A complete list of the minimum mandatory criteria are detailed below. Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders **must** show compliance by addressing each of the Mandatory Technical Criteria in the Compliance Matrix, whether the product offered "meets" or "doesn't meet".
2. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.
3. If the supporting documentation referenced above or in the specification has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
4. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.
5. **Failure to meet each mandatory requirement will result in the bid being deemed non-responsive, and be given no further consideration.**

COMPLIANCE MATRIX - MANDATORY REQUIREMENTS (CRITERIA)

Number	Criteria	Mandatory Technical (MT) Criteria	Performance Specification Met? Bidder must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
A1	Corporate	<p>1. The Bidder must demonstrate in its bid a minimum of three (3) resources. Of these resources the bidder must designate one (1) station manager resource and two (2) support resources.</p> <p>To demonstrate this criterion the Bidder must provide:</p> <p>a. Name of the resource and;</p> <p>b. Identify the role of the resource whether it is a station manager or support resource.</p>		
B1	Resources	<p>1. The Bidder must demonstrate in its bid that each resource is legally eligible to work in Canada. This must be demonstrated by providing proof of Canadian citizenship (copy of valid passport or birth certificate), copy of valid Landed Immigrant status card, or copy of valid Work Permit.</p> <p>2. The Bidder must demonstrate in its bid that each resource possesses a valid Driver's License. This must be demonstrated by providing a legible copy of license.</p> <p>3. The Bidder must demonstrate in its bid that each resource possesses a Secondary School (high school) diploma or equivalent (i.e. GED). This must be demonstrated by providing a legible copy of certificate.</p> <p>4. The Bidder must provide in its bid a signed letter confirming the availability and willingness of each resource, including the station manager to</p>		

		<p>perform the Work under the resulting Contract.</p> <p>To meet this criterion, the Bidder must use the template provided under Annex F, Letter of Availability and Willingness to perform the Work under the Contract, for each of the proposed resources.</p> <p>By providing this letter of availability (Annex F), the Bidder is certifying that the proposed resources are not currently employed by the Bidder or by ECCC at any other weather station within the Upper Air network.</p>		
		<p>5. The Bidder must provide in its bid, for each resource, a resume using the work experience template (Annex G). This template will be used to evaluate each resource. The following information should be provided:</p> <ul style="list-style-type: none"> a. Name of the resource; b. Education; c. Certifications; d. Name of the organization the work was performed for; e. Title of the Project/work or contract name; f. Role and responsibilities of the proposed resource, including a description of the work performed; g. Start date (specify month and year); h. End date (specify month and year); i. Total number of year; including if the work is still in progress; j. Name and contact information (phone number, email) of a reference who will be contacted to confirm the information supplied by the Bidder. 		
		<p>6. The Bidder must demonstrate in its bid that each proposed resource must have a working knowledge of computers and Windows operating systems. This must be demonstrated in the proposed resources' resume.</p>		

1.2 POINT RATED TECHNICAL EVALUATION CRITERIA:

Each bid will be rated by assigning a score to the rated requirements, which are identified in the bid solicitation by the word "rated" or by reference to a score. Bidders who fail to submit complete bids with all the information requested by this bid solicitation will be rated accordingly. Please do not cut and paste directly from source documentation.

For the bid to be valid, the bidder must obtain a minimum pass mark of 172 points score within the technical evaluation based on the following grid. Bids that obtain less than 172 points will be considered non-responsive. Maximum points available: 245 points.

SCORING GRID FOR CRITERIA P1, P2, P3 and P4	
For Criteria P1, P2, P3 and P4 points will be awarded according the following scale:	Points
The bid provides minimal or no information in this evaluation area. Major weaknesses or flaws are identified and/or important information is missing altogether from the bid. The bid does not present reasonable plans or solutions to the identified requirements, or it conveys a lack of understanding of the requirement.	0 points
The bid provides minimal information in this evaluation area. Weaknesses or flaws are identified and/or sufficient detail regarding important information is lacking. The bid presents weak or insufficient plans or solutions to the identified requirements.	10 points
The bid contains an acceptable level of detail in this evaluation area, the proposed methodology/approach is reasonable/realistic, with minor weaknesses. The bid presents adequate plans or solutions to the identified requirements.	20 points
The bid details a comprehensive methodology and approach to meet the requirement in this evaluation area. The bid presents thorough and detailed plans or solutions to the identified requirements which demonstrate a high likelihood that the Bidder will successfully meet the requirements without issue.	30 points

POINT-RATED EVALUATION CRITERIA		Points	Score
P1	Plan for the Execution of the Observations program: The Bidder should provide a detailed plan describing how it plans to perform tasks in support of the Aerological Program and Data Collection requirements (30 points)	Maximum Points: 30	
	a. The Bidder's plan includes a detailed description of the tasks to be performed with emphasis on standard operating flight procedures, including a task list, a	Minimum Points: 0	

	sequence of launch times, criteria for delayed and second releases and missed observations. The Bidder's plan includes an emphasis on performance standards on timeliness and accuracy.		
P2	<p>Plan for the execution of the maintenance work: The Bidder should provide a detailed plan that demonstrates how resources will conduct maintenance of the station. (30 points)</p> <ul style="list-style-type: none"> a. The Bidder's plan includes a detailed schedule of maintenance tasks required on station that includes; housekeeping, inventory, weekly and monthly checks and other tasks identified in the statement of work. b. The Bidder's plan includes a detailed description of how it plans to execute repairs in the event of equipment breakdown or failure. 	<p>Maximum Points: 30</p> <p>Minimum Points: 0</p>	
P3	<p>Plan for monitoring of observations and quality control: The Bidder should provide a detailed plan that describes how it will monitor observations and perform quality control of observations (30 points)</p> <ul style="list-style-type: none"> a. The Bidder's plan provides a detailed schedule of quality assurance tasks, including the production of month end reports or performance log and how anomalies will be tracked and reported against after incomplete observations. b. The Bidder's plan includes a description of how roles and responsibilities will be delegated between the station manager and proposed resources for the conduct of aerological observations, monthly reporting and maintenance tasks. 	<p>Maximum Points: 30</p> <p>Minimum Points: 0</p>	
P4	<p>Personnel Allocation Plan: The Bidder should describe its plan for allocating personnel who are tasked to perform the duties under the Contract (30 points)</p> <ul style="list-style-type: none"> a. The Bidder's plan provides a rotation schedule for 60 calendar days. The schedule will demonstrate the allocation of tasks between resources dedicated to the contract, including plans to ensure continuity of service during holidays and when a resource is absent. b. The Bidders plan describes the procedure to ensure observations are not missed when resource is absent for extended period of time. 	<p>Maximum Points: 30</p> <p>Minimum Points: 0</p>	

POINT-RATED EVALUATION CRITERIA		Points	Score
P5	<p>Occupational Health and Safety (OHS) Plan: The Bidder should provide in its bid its OHS plan. The OHS Plan should include the following elements:</p> <ul style="list-style-type: none"> a. A detailed Health and Safety policy statement of principles and general rules that will serve as a guide for action that includes: <ul style="list-style-type: none"> i. Management commitment to protect the safety and health of employees (5 points) ii. Objectives of the program;(5 points) iii. General responsibilities of all employees;(5 points) 	<p>Maximum Points: 50</p> <p>Minimum Points: 0</p>	

	<ul style="list-style-type: none"> iv. Promoting safety awareness in the workplace and how health and safety will not be sacrificed for expediency;(5 points) v. Enforcing health and safety regulations and how unacceptable performance of health and safety duties will not be tolerated. (5 points) b. Safe work procedures while working alone on station; (5 points) c. Training (U/A, WHMIS, TDG); (5 points) d. Reporting and investigating accidents/incidents; (5 points) e. Emergency procedures which include local emergency contact information; (5 points) f. Workplace specific considerations (e.g. use of PPE, safe work procedures, reporting unsafe acts and unsafe conditions); (5 points) 		
P6	<p>Public Sector Experience of Bidder: The Bidder should demonstrate in its bid that it has experience working with the public sector. For each experience working with the public sector the bidder must provide the following information:</p> <ul style="list-style-type: none"> a. Name of organization/client; b. Title of project/contract; c. Description of contract; d. Start and end dates; e. Geographic location; f. Name and contact information (email, telephone number) of a reference who will be contacted to verify the information provided; and g. Lessons learned from the experience/project. <p>Points will be allocated as follows: One (1) point for each year of relevant experience for which the above information is provided, up to a maximum of ten (10) points. Projects with a duration of less than one (1) year will not accepted.</p>	<p>Maximum Points: 10</p> <p>Minimum Points: 0</p>	
P7	<p>Aerological/Meteorological Experience of Bidder: The Bidder should demonstrate its experience in administering contracts similar in scope and subject matter as the tasks described in the Statement of Work and related Appendices (e.g. aerology or meteorology).</p> <p>For each similar contract administered, the bid should include the following information:</p> <ul style="list-style-type: none"> a. Name of organization/client; b. Title of project/contract; c. Description of contract; d. Start and end dates; e. Geographic location; f. Name and contact information (email, telephone number) of a reference who will be contacted to verify the information provided; and g. Lessons learned from the experience/project. <p>Points will be allocated as follows: Five (5) points for each year of relevant experience for which the above information is</p>	<p>Maximum Points: 25</p> <p>Minimum Points: 0</p>	

	<p>provided, up to a maximum of twenty-five (25) points. Projects with a duration of less than one (1) year will not accepted.</p> <p>* Note: points will only be awarded for the corporate experience of the Bidder (i.e. the firm's experience). Points will not be awarded under this criterion for the experience of individuals, including the station manager or the observers.</p>		
P8	<p>Resource Experience</p> <ul style="list-style-type: none"> a. Experience of the Delegated Station Manager <ul style="list-style-type: none"> i. Experience Supervising a team (10 points) ii. Experience in the coordination/management of similar contracts in aerology or meteorology (10 points) b. Experience of proposed contract resource #1 <ul style="list-style-type: none"> i. Demonstrate experience in the performance of similar contracts of aerology and meteorology (10 points) c. Experience of proposed contract resource #2 <ul style="list-style-type: none"> i. Demonstrate experience in the performance of similar contracts of aerology and meteorology (10 points) <p>Points will be allocated as follows: One (1) point for each year of relevant experience, up to a maximum of ten (10) points. Experience less than one (1) year will not be given any points.</p>	<p>Maximum Points: 40 points</p> <p>Minimum Points: 0</p>	
	TOTAL MINIMUM POINTS ACCEPTABLE	172	
	TOTAL MAXIMUM POINTS AVAILABLE	245	
	TOTAL POINTS ACHIEVED		

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a Contractor in default in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions [2003](#). The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 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 (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

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.

2. Additional Certifications Required Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

2.1 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.

2.2 Education and Experience

PWGSC SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

PART 6 – SECURITY AND OTHER REQUIREMENTS

1. Security Requirement

- (a) Before award of a contract, the following conditions must be met:
 - (i) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
 - (ii) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7- Resulting Contract Clauses;
 - (iii) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
- (b) Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
- (c) For additional information on security requirements, bidders should refer to the [Canadian Industrial Security Directorate \(CISD\), Industrial Security Program](http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html) of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

PART 7 - RESULTING CONTRACT *(at contract award, delete this line)*

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation. *(at contract award, delete this sentence and add the title of the requirement)*

Title: *(insert only at contract award)*

1. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the PWGSC *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.

2.1 General Conditions

2010B (2020-05-28) General Conditions - Professional Services (Medium Complexity), as modified below, apply to and form part of the Contract.

General conditions 2010B is modified as follows:

At Section 12 Transportation Costs

Delete: In its entirety

Insert: "Deleted"

At Section 13 Transportation Carriers" Liability

Delete: In its entirety.

Insert: "Deleted"

At Section 18, Confidentiality:

Delete: In its entirety

Insert: "Deleted"

Insert Subsection: "35 Liability"

"The Contractor is liable for any damage caused by the Contractor, its employees, subContractors, or agents to Canada or any third party. Canada is liable for any damage caused by Canada, its employees or agents to the Contractor or any third party. The Parties agree that no limitation of liability or indemnity provision applies to the Contract unless it is specifically incorporated in full text in the Articles of Agreement. Damage includes any injury to persons (including injury resulting in death) or loss of or damage to property (including real property) caused as a result of or during the performance of the Contract."

For professional services requirements where the deliverables are copyrightable works: Canada to own Intellectual Property rights in Copyright

At Section 19 Copyright

Delete: In its entirety

Insert:

1. In this section:

"Material" means anything that is created or developed by the Contractor as part of the Work under the Contract, and in which copyright subsists.

"Background Information" means all Intellectual Property that is not Foreground Information that is incorporated into the Work or necessary for the performance of

the Work and that is proprietary to or the confidential information of the Contractor, its subContractors or any other third party;
"Foreground Information" means all Intellectual Property first conceived, developed, produced or reduced to practice as part of the Work under the Contract;

2. Material that is created or developed by the Contractor as part of the Work under the Contract belongs to Canada. The Contractor must incorporate the copyright symbol and either of the following notices, as appropriate: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
3. At the request of the Contracting Authority, the Contractor must provide to Canada, at the completion of the Work or at such other time as the Contracting Authority may require, a written permanent waiver of moral rights as defined in the [Copyright Act](#), R.S., 1985, c. C-42, in a form acceptable to the Contracting Authority, from every author that contributed to the Work. If the Contractor is an author, the Contractor permanently waives the Contractor's moral rights.
4. All Intellectual Property Rights in the Material belongs to Canada as soon as they come into existence. The Contractor has no right in or to any such Intellectual Property except any right that may be granted in writing by Canada.
5. The Contractor also grants to Canada a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free license to use the Background Information to the extent that this information is required by Canada to exercise its rights to use the Material. This license cannot be restricted in any way by the Contractor providing any form of notice to the contrary, including the wording on any shrink-wrapped license attached to any deliverable.

2.2 Specific Person(s)

The Contractor must provide the services of the following person(s) to perform the Work as stated in the Contract: _____ (*insert name(s) of person(s)*).

3. Security Requirement

3.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract.

- Access to restricted areas and no access to protected and/or classified information or assets (Block 6b)
 - Personnel Security level—Reliability Status (Block 10a)
1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer/Supply Arrangement, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC)
 2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid **Reliability Status**, granted or approved by CISD/PWGSC
 3. Subcontracts which contain security requirements are not to be awarded without the prior written permission of CISD/PWGSC
 4. The Contractor/Offeror must comply with the provisions of the:
 1. Security Requirements Check List and security guide (if applicable), attached at Annex
 2. Industrial Security Manual (Latest Edition)

4. Term of Contract

4.1 Period of the Contract

The Work is to be performed during the period of contract award to 2022-November-30.

4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by a single additional one (1) year period under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 30 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Aurora Hudson
Title: Policy and Reporting Officer
Environment and Climate Change Canada, Procurement and Contracting Division
Address: 200 boulevard Sacre-Coeur, Gatineau, QC, K1A 0H3

Telephone: 819-938-3203
Email address: aurora.hudson@canada.ca

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.

5.2 Project Authority *(to be provided at contract award)*

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____-____-_____
Facsimile: ____-____-_____
Email address: _____

The Project Authority named above 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.

5.3 Contractor's Representative (to be provided at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: ____-____-_____
Facsimile: ____-____-_____
Email address: _____

6. 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. Payment

7.1 Basis of Payment

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex "B", to a limitation of expenditure of \$_____ (*insert the amount at contract award*). Customs duties are **included**. Applicable Taxes are extra.

7.2 Limitation of Expenditure

- (a) Canada's total liability to the Contractor under the Contract must not exceed \$ (*insert at contract award*). Customs duties are **included** and the Applicable Taxes are extra.

- (b) No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (i) when it is 75 percent committed, or
 - (ii) four (4) months before the contract expiry date, or
 - (iii) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

- (c) If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

7.3 PWGSC SACC Manual Clauses

A9117C (2007-11-30) T1204 - Direct Request by Customer Department

7.5 Time Verification

C0711C (2008-05-12) Time Verification

8. Invoicing Instructions

8.1 Payment

8.1.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed. Invoices must be rendered in accordance with the Basis of Payment and Appendix 2 to Annex A.

8.1.2 Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- (a) an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all such documents have been verified by Canada;
- (c) the Work delivered has been accepted by Canada.

9. Certifications

9.1 Compliance

Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

10. Applicable Laws

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

11. 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;
- (c) 2010B General Conditions - [Professional Services \(Medium Complexity\)](#) (2020-05-28) as modified;
- (d) Annex A, Statement of Work;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List;
- (g) Annex D, Federal Contractors Program for Employment Equity - Certification
- (h) Annex E, Insurance Requirements;
- (i) Annex F, Letter of Availability and Willingness to Perform Work
- (j) Annex G, Work Experience Template
- (k) the Contractor's bid dated _____, *(insert date of bid - if the bid was clarified or amended, insert at the time of contract award, as clarified on _____ or as amended on _____ and insert date(s) of clarification(s) or amendment(s)).*

12. Insurance Requirements – Specific requirement

The Contractor must comply with the insurance requirements specified in Annex E. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

13. PWGSC SACC Manual Clauses

A9068C (2010-01-11) Government Site Regulations

ANNEX A
STATEMENT OF WORK
Weather Observation Services at Vernon Upper Air Station

1 SUMMARY

Environment and Climate Change Canada (ECCC) operates thirty-one (31) aerological observing stations throughout Canada. These stations complete soundings of the upper atmosphere twice daily for each day of the year. The observations are taken by releasing a gas-filled balloon with an attached instrument, which is tracked via one of a variety of electronic navigational methods. This attached instrument transmits meteorological data relating to temperature, humidity, and the height of standard atmospheric pressure levels. In addition, tracking of the balloon allows for computation of winds and wind shear at upper levels of the atmosphere.

Data is collected and processed automatically by sounding equipment and transmitted to the Canadian Meteorological Centre for inclusion in atmospheric models which are used to produce a number of weather forecasts. In addition, the data is shared internationally for use in many global weather monitoring and forecasting programs.

2 APPLICABLE DOCUMENTS

Manual of Surface Weather Observations (MANOBS): <http://www.ec.gc.ca/manobs/>

Manual of Upper Air Observations (MANUPP):
http://web.unbc.ca/~murphyb/zxs/doc/manuals/MANUPP_3rd_edition_e.pdf

For a more detailed listing of applicable documents, refer to Appendix 4 to Annex A of the Statement of Work.

3 SCOPE

ECCC requires the services of a Contractor to prepare the instruments and release the balloons twice each Friday, Saturday, Sunday and statutory holidays (New Years Day, Good Friday, Easter Monday, Victoria Day, Canada Day, August Long weekend, Labour Day, Thanksgiving, Remembrance Day, Christmas Day, Boxing Day and BC Day). The work will involve monitoring the data and messages produced, and to ensure the prompt transmittal of the data. Additional aerological observations may be required for up to seventy five (75) releases at any time throughout the year but the additional releases is not guaranteed.

The Contractor will conduct and the scheduling of personnel for observing, recording, encoding and transmitting Aerological and Supplementary programs at the times specified below as required to comply with the instructions contained in the "Manual of Upper Air Observations" (MANUPP) and various other manual required for the Safety and Health for Meteorological Services of Canada Operations.

The Contractor is to perform Aerological observations at Vernon Upper Air Station, as described in Section 4, Annex A, and Appendices 1 through 5.

4 AEROLOGICAL OBSERVATIONS

The Contractor must observe, record, encode and transmit aerological observations, at the times specified below, as required to comply with the instructions contained in MANUPP, as well as other manuals required for the completion of the supplementary program, including regulations relating to Occupational Health and Safety of the Meteorological Service of Canada (MSC).

- i) The Contractor must conduct the Aerological observing program by performing two (2) aerological observations per day, one in the morning and one in the evening, every Saturday, Sunday and statutory holiday of the year. The work entails testing and preparing monitoring equipment and instruments, filling balloons with helium lifting gas and releasing the instrument equipped balloons at the specified times below.
- ii) The morning period is (10:30 - 13:30 UTC) and the evening period is (22:30 - 01:30 UTC), for every day of the contract. An aerological observation can be completed as detailed below in three (3) hours.
- iii) Schedule for aerological observation:

MORNING	
DESCRIPTION	UNIVERSAL COORDINATED TIME (UTC)
Prepare balloon, probe and computer	10:30
Balloon release and start the survey	11:15
Completion of survey	13:15
Survey ends automatically	13:30
EVENING	
Prepare balloon, probe and computer	22:30
Balloon release and start the survey	23:15
Completion of survey	01:15
Survey ends automatically	01:30

- iv) A second release may be required due to equipment malfunction, early balloon burst or should the balloon not reach 400 hPa (approximately 8,000 meters or twenty-five (25) minutes after release) or as prescribed by ECCC. A second release can be made up to and including 13:45 UTC and 01:45 UTC. There is neither additional time nor additional monies for these subsequent releases. A second release may be expected approximately five (5) percent of the time.
- v) Releases must not be attempted in advance of 11:15 UTC for the morning observation period or in advance of 23:15 UTC for the evening observation period. If a release is made prior to these specified times, penalties for non-performance may apply. See Appendix 2 to Annex A. A delayed release due to radiosonde or balloon rejection during preparation is not acceptable. Radiosonde and balloon equipment preparation time must begin a minimum of forty (45) minutes prior to the scheduled aerological release allowing sufficient time for the occurrence of rejected equipment. Should a delayed release be identified for the above noted reason, penalties for non-performance may apply. **See Appendix 2 to Annex A.**
- iv) The Contractor may be required to perform additional Aerological and Supplementary Observations. There may be a requirement for an estimated seventy five (75) additional Aerological Observations during each year of the contract. This is an estimate only and is not a guarantee of either the minimum or maximum that may be required.

4.1 DETAILS OF DATA COLLECTION

- A. **Balloon Filling:** Balloon filling requires the careful laying out of the aerological balloon on an inflation table and inspecting it for visible signs of damage such as holes or flaws. If the balloon passes

preliminary inspection, it is attached to the inflation equipment and slowly and carefully filled. The balloon must also be inspected for leaks or flaws during and after inflation. When the balloon is filled with sufficient gas to lift an attached weight, the neck is securely tied so as to ensure no gas leakage. Immediately prior to release the balloon is again checked for leaks and tested to ensure that it has maintained the required amount of lift.

- B. **Ground Equipment:** Ground monitoring, receiving, and processing equipment must be operated in accordance with the user manuals or written instructions provided by the ECCC Project Authority. These instructions are subject to change at the discretion of ECCC. The equipment is automated to the extent that only minimal user interaction is necessary.
- C. **Instrument Preparation:** The radiosonde instrument must be unpacked and inspected for damage or other deficiencies or problems. The individual sensors must be positioned and hooked up to the ground check station. The pressure calibration tape is matched to the instrument to be released and will be passed through the ground equipment paper tape reader or manually entered by the contract resource. Once activated, the radiosonde instrument is placed outdoors in order to acclimatize to current weather conditions.
- D. **Release:** Prior to the scheduled time of release, the instrument must be attached to the balloon and the balloon and instrument released. Every effort **MUST** be made to release the instrument package at the standard hour of observation minus forty-five (45) minutes (preparation time). For morning flights this must be at 11:15UTC; and for afternoon flights, release must be at 23:15UTC. Once released, the observer must return indoors and monitor the ascent data. The surface pressure, temperature, humidity and release times are confirmed, and any necessary adjustments are made via the monitoring equipment and computer.
- E. **Delayed release:** A delayed release due to radiosonde or balloon malfunction during preparation is not acceptable. Radiosonde and balloon equipment preparation time must begin a minimum of forty-five (45) minutes prior to the scheduled aerological release. This will allow sufficient time for the occurrence of rejected equipment. Should a delayed release be identified for the above noted reason, penalties for non-performance may apply. **See Appendix 2 to Annex A.**
- F. **During the Ascent:** During the ascent, the Contractor must monitor the system for instrument malfunctions or for an early balloon burst. This requires periodic monitoring of the various outputs from the ground equipment including the incoming data. The ground equipment prepares and transmits messages containing data from the balloon ascent. The observer must ensure that successful transmission of these messages occurs at the appropriate times.
- G. **Post-Flight:** Following the termination of the ascent, the observer must ensure that all data is processed and that the transmission of all data is complete. Archive data must be forwarded to Headquarters as instructed by the designated Project Authority. The data must also be backed up on the station. Information such as radiosonde serial number, height achieved, temperature and wind speed must be entered on a spreadsheet to aid in the preparation of month end summaries and reports. Upon completion of these tasks, all ground equipment must be shut down.
- H. **Second or Additional Releases:** A second release may be required due to equipment malfunction or early balloon burst should the balloon not reach an acceptable height is of 8,000 meters (400 hPa or 25 minutes after release) or as prescribed by ECCC. A second release can be made up to and including 13:45UTC and 1:45 (UTC). There is neither additional time nor additional monies paid by ECCC for these subsequent releases. All expendable components (radiosondes, balloons, and gas) are the responsibility of ECCC.
- I. **Aerological Message Transmission:** If the aerological messages are transmitted late, the aerological sounding will be considered "DELAYED". If the messages are not transmitted within one (1) hour of the required transmission times, the sounding will be considered "MISSING". Factors contributing to

DELAYED or MISSING observations must be clearly detailed and submitted to the Project Authority by email within thirty (30) minutes of the occurrence.

- J. **Penalties for non-performance:** apply for delayed or missing observations resulting from the contract resources failing to attend the work site for any reason other than the occurrence of specific conditions. Please refer to **Appendix 2 to Annex A** for the list of conditions.
- K. The administration required to operate the program are estimated to be a maximum of (2) two hours per week. For billing purposes these are to be included in the all-inclusive rate of the Contractor.

5. LOCATION OF THE WORK

The work must be performed at the ECCC Vernon Water Survey Office and cannot be performed remotely. The site location: 4501 31st Street, Vernon, BC.

Vernon Weather Station Facilities:



6. LANGUAGE OF THE WORK

The work and all deliverables required of the work must be presented in English or French.

**Appendix 1 to Annex A
Additional Requirements of the Work
Under the Resulting Contract**

1. OPERATIONS

1.1 Contractor Responsibilities

- 1.1.1. The Contractor must provide a telephone number and email that is monitored by the Contractor during the times when the station is not attended.
- 1.1.2. The Contractor must prepare a radiosonde instrument package and inflate a large latex balloon with helium gas according to the established safe work practices and procedures.
- 1.1.3. Helium is used as the primary lifting gas and provided at no cost to the Contractor.
- 1.1.4. The Contractor must release the radiosonde and balloon assembly and monitor the sounding equipment to ensure the successful transfer of data from the radiosonde to the computer equipment.
- 1.1.5. The Contractor must monitor the computer equipment software until the end of the flight or balloon burst, to ensure the data bulletins are successfully transmitted and also successfully received by the Meteorological Service of Canada's telecommunications network.
- 1.1.6. The Contractor must ensure all equipment is kept clean and operational and not subject to neglect or abuse, as well as maintain the equipment according to the applicable instrument manual and/or instructions received from the Project Authority.
- 1.1.7. The Contractor must follow the proper communications protocol as provided by ECCC. The communications equipment must be used for authorized ECCC purposes only. In the event of communications equipment failure, the Contractor must use an approved alternate method of data transmittal. The Contractor must report any malfunction of the communications equipment immediately to the Project Authority or designated representative.
- 1.1.8. The Contractor must report any issues with the operation of the equipment or facilities to the Project Authority or designate identified by ECCC as soon as they are noted.
- 1.1.9. The Contractor must consult with the MSC BC Inspector prior to attempting unscheduled maintenance or repairs on meteorological sensors or other station equipment.
- 1.1.10. The Contractor must accept and properly store instruments and supplies when required. The Contractor will be required to pack for shipment items such as helium cylinders and computer components, as and when required. Storage space will be provided by ECCC.
- 1.1.11. The Contractor (assisted by an ECCC representative) must complete an inventory check of all equipment, instruments and supplies at the commencement and closure of the contract.
- 1.1.12. The weather station facilities must not be used for living or sleeping quarters nor temporary or permanent storage of personal property. The facilities must solely be used for the duties required by the contract. Other activities will not be tolerated and could result in the contract being cancelled without further consideration.

- 1.1.13. The Contractor is responsible for the logistics of getting contract resources to and from the weather observing station and the associated costs are the sole responsibility of the Contractor and/or contract resources.
- 1.1.14. The Contractor must ensure all privately owned motor vehicles are properly licensed and insured with coverage as identified in Resulting Contract Annex E, Insurance Requirements.
- 1.1.15. The Contractor must ensure the weather observing station and associated facilities are operated and maintained in an environmentally responsible manner.
- 1.1.16. When requested, the Contractor or his designated Station Manager must meet with an ECCC representative on-site.
- 1.1.17. The Contractor is responsible for all costs associated with injury or accident arising out of the Contractor's negligence (e.g. appropriate warning signs were not correctly posted or improperly using equipment and safety gear when maintaining, repairing or cleaning facilities).
- 1.1.18. The Contractor will not be responsible for the loss of or damage to the equipment supplied by ECCC unless such damage or loss results from the negligence or abuse of the equipment by the Contractor or contract employees. The Contractor or staff must immediately report any defects or damage to the supplied equipment to the Project Authority. The Contractor must immediately notify the Project Authority if repair or replacement of the equipment is required.
- 1.1.19. The contractor will immediately report any equipment breakdown or operational problem to the **Stony Plain Service Desk** at the following number: **1-877-292-0939**. The technicians who work there provide help and assistance to station staff in the event of breakdowns and operational problems. The Contractor must not hesitate to contact them in case of doubt. Station staff must follow the advice provided by the technician on duty at the Stony Plain Service Desk.
- 1.1.20. The Contractor must return to ECCC, upon closure of the contract, all equipment and unused meteorological equipment and supplies made available to the Contractor for the performance of the contracted services. The Contractor must return all equipment and supplies in good condition except for ordinary deterioration due to use and time.
- 1.1.21. The Contractor agrees that all information gathered, materials collected, and reports produced, must be the sole property of the Canada. The Contractor will not publish or in any way use the said information or data, material or reports, without the express and prior written approval of the Project Authority.
- 1.1.22. In the absence of the MSC onsite observer, it will be the Contractors' responsibility to keep a supply of forms, office supplies and meteorological supplies including radiosondes, balloons, rope, and helium. When replenishment is necessary, the Contractor will make a list of any missing items and email the Project Authority
- 1.1.23. Records associated with each sounding, which include checks and maintenance logs, recording serial numbers, balloon release times, instrument readings and archiving data, must be retained on station for a period designated by the Project Authority. The administration and documentation associated with the aerological observation program can be completed during the aerological balloon observation time and will not cause the Contractor to invoice for additional work.
- 1.1.24. The Contractor, may be required to purchase and provide materials for routine housekeeping duties on site. These supplies include but are not limited to: garbage bags,

toilet tissue, Kleenex, paper towels, cleaning supplies, brooms, mops etc. The cost for these materials is to be included in the firm, all-inclusive rates provided in the Basis of Payment.

- 1.1.25. The Contractor must purchase and provide all routine stationery and other office supplies such as, but not limited to, paper, pens, pencils, tape, paper clips, stapler, etc. The cost of these supplies is to be included in the firm, all-inclusive rates provided in the Basis of Payment.

1.2 Environment and Climate Change Canada (ECCC) Responsibilities

- 1.2.1 ECCC will make available to the Contractor, without charge, all facilities, meteorological equipment and meteorological supplies (excluding transportation equipment and yard maintenance equipment) required at the station for the completion of the aerological observing duties and supplementary tasks.
- 1.2.2 ECCC is responsible for the provision and payment of a standard telephone service and internet service to the weather station. Long distance charges incurred for the transmission of weather information, reporting instrument defects or failures, or for matters relating to the ongoing operations of the weather observing contract will be paid for by ECCC. All unauthorized telephone charges will be at the expense of the Contractor.
- 1.2.3 ECCC will supply the necessary Meteorological communication equipment, which includes station computers complete with modems and software. Spare equipment will be supplied where required. The Contractor must use this equipment solely for the purpose of collecting, transmitting or archiving information relevant to the meteorological operations of the station, or for transmitting data from other stations as required.
- 1.2.4 ECCC will ensure all necessary equipment and meteorological instruments needed for the operation of the surface observing program is available to the Contractor at no cost. The Contractor will ensure all equipment is kept clean and operational, as well as maintain the equipment according to the applicable instrument manual and/or instructions received from the Technical Authority. A complete detailed listing of specific station equipment and instruments will be made available from the Project Authority upon commencement of the term of the Contract. Listing of the meteorological equipment specific to the station:
- a. **Digital Electronic Barometer** - A digital station barometer for use in determining atmospheric pressure. ECCC will install equipment inside the office facility.
 - b. **Stevenson Screen** – housing temperature and temperature extreme measuring equipment (mercury and alcohol filled thermometers). Stand is mounted outdoors in meteorological instrument area.
 - c. **Wind Speed Direction & Detection** – Detecting instruments are mast-mounted outdoors and information gathered by these is transmitted via cable to indoor mounted indicating instruments.
 - d. **Instrument Cabinets** – used to house indicating and recording equipment. The cabinet is located indoors.
 - e. **Communication Equipment** – PC driven WinIDE system and backup.
 - f. **NAVAID aerological Observing System** – used for the acquiring and processing of upper air data using a GPS satellite positioning system and balloon carried radiosonde instrument.

- g. Aerological Balloon Inflation Facilities** – used to inflate balloons with helium for upper air soundings. The actual helium storage equipment makes up part of this and is in the form of individual gas cylinders stored within the inflation room.
- h. Helium** – provided in the form of helium cylinders which are shipped at no cost to the Contractor. Storage of the helium cylinders is in the inflation building.

- 1.2.5 ECCC is responsible for the inspection and acceptance of all aspects of the weather observing program and operations. ECCC is also responsible for ensuring the timeliness of reporting, accuracy of data and adherence to procedures and standards are being met.
- 1.2.6 ECCC has the authority to recommend and implement changes to the upper air program and to order the de-certification of any employee found to be lacking in the ability, or demonstrating negligence or unreliability, in completing the duties of a contract weather observer.
- 1.2.7 ECCC may issue Government Contractor ID cards to all Contractor personnel identified in the proposal. The ID Cards must be in the possession of Contractor personnel while at the site and must be produced for scrutiny upon the request of other government officers.
- 1.2.8 Government Contractor ID Cards must be returned to the Project Authority immediately upon termination of the Contract or upon an observer's site authorization being revoked.

2. CONTRACTOR RULES OF CONDUCT AT THE WEATHER STATION

- 2.1 The Contractor must ensure, while on duty, the performance of observational duties and supplementary tasks is the first priority of all the contract resources.
- 2.2 The Contractor must ensure that no other commercial business is performed by contract resources at any time while on the provided premises, or when utilizing ECCC products available over the supplied communications system or using data collected as part of the weather observing contract.
- 2.3 The Contractor agrees that all information gathered, materials collected and reports produced will be the sole property of Canada. The Contractor will not publish or in any way use the said information or data, material or reports without the express and prior approval in writing of the Project Authority
- 2.4 The Contractor must ensure that no alcoholic beverages or drugs, including cannabis, are brought onto the station property.
- 2.5 The Contractor must ensure that no resources under the influence of alcohol or illegal or prescription drugs perform the duties of an observer. Staff impaired or impeded by prescription medications must not take weather observations.
- 2.6 The Contractor and contract resources must follow the proper communications protocol as defined by ECCC's *Policy on the Use of Electronic Networks*. The weather station communications services must only be used for the transmission of weather information, reporting of instruments defects or failures, or matters relating to the ongoing operations of the weather station. To fulfil international commitments and comply with the directives of

the World Meteorological Organization, all contract resources will be provided with a Government of Canada network email account used to transmit the Upper Air data. All contract resources must be provided with the ECCC's *Policy on the Use of Electronic Networks*. Contract resources must abide by this Network Policy.

- 2.7 Misuse of ECCC computing and communications equipment, including downloading files from media such as the Internet (unless specifically related to the observing program), installing additional software (games, videos, etc.) is strictly prohibited. ECCC Corporate Services and Finance Branch will determine the consequence of failure to comply with this policy and may constitute grounds for immediate de-qualification of the contract resource involved and possible termination of the Contract for Cause. All costs associated to any misuse will be the Contractor's responsibility.
- 2.8 The Contractor or contract resources must not involve the weather station in any local issues or other forms of current events. Requests for comment from the media or other representatives of public or private groups must be directed to the Project Authority. The Contractor or contract resources must not provide comment or opinion on any issue on behalf of ECCC.
- 2.9 The Contractor, or contract resources, must not alter or amend an aerological observation nor provide interpretations of aerological/weather forecast products. Aerological observations may be altered or changed only on the direction of an identified representative of ECCC as specified in the Manual of Surface Weather Observations.
- 2.10 The Contractor and contract resources must co-operate in a professional, courteous and civil manner with the Project Authority, with Government of Canada employees, and with members of the general public, in order to ensure the health and safety of personnel accessing the station, the safety of the equipment and buildings and integrity of the data collection program.
- 2.11 While performing any work under the Contract, the Contractor and contract resources must communicate and conduct themselves in a manner which promotes a respectful workplace. Treating all people with respect, dignity and fairness is required at all times to create and maintain a safe and healthy workplace that is free from harassment and discrimination.
- 2.12 The Contractor and contract resources must follow all instruction as provided by the Senior Building Officer at the Vernon Water Survey office.
- 2.13 Failure to abide by these rules of conduct may result in the loss of qualification of any contract observer and/or the termination of the contract.

3. CONTRACT PERSONNEL REQUIREMENTS

3.1 REQUIREMENTS

- 3.1.1 The Contractor must provide a **minimum of two (2)** persons capable of being trained and site authorized as Upper Air Observers for the duration of the contract. This will allow for operations to continue 365 days a year (366 days in a leap year). This is a **mandatory** requirement.
- 3.1.2 The required level of education for staff is a high school diploma or equivalent; a working knowledge of personal computers and the Windows operating system is also mandatory. This must be mentioned in the Curriculum Vitae (CV) of each proposed employee and included in the bidder's bid and may be assessed at the onset of training. Failure to

demonstrate working knowledge of computers may result in the candidate being returned to the Contractor.

- 3.1.4 The Contractor must ensure all aerological observations are recorded, coded and transmitted by contract resources trained and/or certified by ECCC.
- 3.1.5 The Contractor must notify the Project Authority of any proposed contract resource changes a minimum **60 days** in advance of the proposed personnel change. The proposed change is subject to approval by the Project Authority.
- 3.1.6 The Contractor must provide a letter signed by the candidate(s) indicating his or her willingness to work for the Contractor and undergo the necessary training and security clearance.
- 3.1.7 ECCC may refuse any proposed contract resources that the Project Authority deems not to have acceptable qualifications to perform the work required. This will include any individual deemed unreliable or negligent in the duties and responsibilities of the contract resource.
- 3.1.8 The Contractor must take all necessary action to ensure that the principles outlined in Provincial, Territorial, and Federal Labour Codes are followed. The Contractor must ensure that Codes are met and that all persons on the weather station premises are provided a safe, healthy, and harassment-free working environment. Failure to comply with Labour Codes may result in the termination of the Contract.
- 3.1.9 All observers and designated station manager must undergo Departmental Personnel Security Screening and obtain Approved Reliability Status prior to the commencement of the work. Note this process may take up to 180 days.
- 3.1.10 The Contractor must ensure that all contract resources perform a minimum of one (1) complete aerological observation a minimum of once every 60 calendar days.
- 3.1.11 At the discretion of the ECCC Project Authority, the site authorization of a contract resource may be revoked if the resource does not perform one (1) complete aerological observation a minimum of once every 60 consecutive calendar days.
- 3.1.12 The Contractor and contract resources must all hold a valid driver's license. Copies of the valid driver's licence must be provided.

3.2. Observer Training

- 3.2.1 The Contractor is responsible for hiring and paying the staff required to fulfill the services identified under this contract.
- 3.2.2 The Contractor is responsible for all expenses related to recruitment and initial, annual and additional training for himself and his staff.
- 3.2.3 Upon award of the contract, MSC will provide the Contractor and contract resources with three (3) days of initial training on site if required by the Contractor.
- 3.2.4 Training will include the aerological observation duties as well as the basic training on the maintenance and repair of certain meteorological instruments, sensors and pieces of equipment to effectively operate the weather station.
- 3.2.5 All observers must complete the Workplace Hazardous Materials Information System Regulation (WHMIS) and Transportation of Dangerous Goods (TDG) certification training.

Failure to successfully complete the WHMIS and TDG certification training will result in termination of training for that particular resource. All costs arising from this removal, including replacement of the unsuccessful trainee by another trainee, will be the sole responsibility of the Contractor. The Contractor must provide training, at his cost, for all employees within 30 days of their employment.

- 3.2.6 While on course, all trainees must behave in a professional manner. Tardiness or disruptive behavior will not be tolerated. Arriving in an intoxicated or impaired condition will result in immediate removal from the course. All costs arising from this removal, including replacement of the unsuccessful trainee, is the sole responsibility of the Contractor.
- 3.2.7 Annual training requests outside the initial training will be provided once per year for each year of the contract if needed. The Contractor must request this training from the Project Authority at least six (6) weeks or thirty (30) working days prior to the commencement of training. Exceptional cases may be addressed through consultation and negotiation with the Project Authority.
- 3.2.8 Annual training of weather observers (outside the initial training) will be conducted at a mutually agreeable time. All observers involved in the contract observation program will be certified at the specific site at which the aerological observations are taken. Certification is not transferable between stations. ECCC will conduct annual site certification for all contract resources.
- 3.2.9 The annual training will be provided by MSC, any MSC trainer costs involved with the training will be at the cost to ECCC.
- 3.2.10 In the event that additional training is required outside of the initial site, the Contractor will be responsible for all incurred costs of the trainer, these costs include, travel, accommodations, meals and incidentals
- 3.2.11 ECCC is committed to increased employment opportunities for Indigenous Canadians (Status and non-Status Indians, Métis and Inuit). Contractors are encouraged to employ Indigenous Canadians in their programs. To assist Contractors in this regard, the cost of tuition per year for one (1) Indigenous person, during the life of this Contract, will be waived. The Contractor will still be responsible for all other costs including, but not limited to, transportation, accommodation, living allowance and wages for the resource(s) of the Contractor.
- 3.2.12 For planning purposes, tuition costs for training courses after the initial first year of the contract may be charged, when applicable, to the Contractor at the following rate:

Aerological Observing Helium course - \$2000.00 per student

Duration: 10 working days for the aerological (Upper Air) program (not including weekends or holidays).

All travel and accommodation costs for contract trainees in such cases will be the responsibility of the Contractor.

3.3 Certification of Observers

- 3.3.1 The site authorization/qualification will consist of an initial audit of the contract resource's practical performance.
- 3.3.2 The initial site certification of weather observers will be undertaken at a mutually agreeable time. All observers involved in the contract observation program must be certified at the specific site at which the aerological observations are taken.

- 3.3.3 If the resource does not complete one aerological observation in a sixty (60) consecutive day period; or does not, in any other way, conform to the aerological Observer Qualification Policy, the observer's site authorization/certification will "lapse" and be subsequently revoked.
- 3.3.4 The observer's site authorization/qualification will be immediately suspended if the resource resigns or is otherwise released from the employ of the Contractor.
- 3.3.5 ECCC may revoke any observer's qualification whenever there is cause to believe the observer's performance fails to meet observing standards as prescribed in MANUPP with respect to accuracy and timeliness.
- 3.3.6 Negligence of duties or the wilful dissemination of false or erroneous weather information will result in de-qualification of the observer.
- 3.3.7 Failure to abide by the stated rules of conduct may result in the revoking of an observer's qualification.
- 3.3.8 An on-site evaluation of the observer's work by a representative of ECCC will be conducted prior to the revoking of an observer's qualification.
- 3.3.9 While an observer's qualification is suspended or revoked, that observer is not permitted to perform aerological observations or conduct supplementary duties.
- 3.3.10 Recertification of an observer whose certification has been revoked will require an audit of performance to ensure competency in completing meteorological duties. This audit will be administered by MSC BC Inspector.
- 3.3.11 ECCC's Project Authority has the authority to recommend and implement changes to the observing program, and to order the de-qualification of any observer found to be lacking in ability, demonstrating negligence or unreliability, in completing the duties of a contract weather observer.

4. FACILITIES

- 4.1 ECCC will provide necessary facilities and compound for the operation of the aerological observation program. The indoor facilities will include necessary washroom facilities. All utilities necessary to operate the station, including heat, running water, lighting and power, are the responsibility of ECCC and provided at no charge to the Contractor. The Contractor will follow energy efficient practices when using the provided facilities, as well as all other direction provided by the Senior Building Officer at the Vernon Water Survey office.
- 4.2 The Contractor must ensure the facilities provided are used for the sole purpose of the aerological weather operation program and no additional commercial or personal business dealing will be conducted from the premises. Other activities will not be tolerated and could result in the contract being cancelled without further consideration.
- 4.3 The Contractor must ensure only individuals involved in taking aerological observations as part of the contract or otherwise involved in the cleaning and/or maintenance of the facilities, use the supplied facilities.
- 4.4 The Contractor must place garbage in garbage bins provided and remove garbage and dispose off site on regular intervals.

- 4.5 The Upper Air station is a Federal Workplace, therefore, the Contractor and all contract resources must ensure that the Federal Government “No Smoking” policy is observed while using the supplied facilities.
- 4.6 The Contractor will not remove, modify, or otherwise change any aspect of the provided facilities, property, or equipment without prior written approval and guidance from the Project Authority. The Contractor must report immediately any defect in the facilities, property or equipment to the Project Authority.
- 4.7 The Contractor must ensure the provided facilities are secured and locked and windows closed when not in use.
- 4.8 The Contractor must ensure that the facilities provided are used and maintained in a manner that respects the environment.
- 4.9 ECCC is currently reviewing sites in the Vernon area to determine alternative locations for a stand alone weather station. Please note the new site may be operational prior to the end of the contract.

5. HEALTH AND SAFETY

5.1 Contractor Responsibilities

- 5.1.1 The Contractor must adhere to all applicable regulations provided in Federal, Provincial/Territorial Codes. Where a difference between the codes exists, the more stringent will apply.
- 5.1.2 The Contractor must comply with all regulations in Part II of the Canada Labour Code (<http://laws-lois.justice.gc.ca/eng/acts/L-2/page-2.html>) with respect to Occupational Safety and Health and Part III of the Canada Labour Code (<http://laws-lois.justice.gc.ca/eng/acts/L-2/page-3.html>) regarding hours of work and other Labour Relations Articles.
- 5.1.3 The Contractor must post in the workplace in a location accessible to all resources, Part II of the Canada Labour Code and the name and telephone number of the designated safety representative (if required). All other printed or safety material must be similarly posted.
- 5.1.4 The Contractor must ensure that all contract resources are aware of known and foreseeable safety or health hazards in the workplace. These must include, but are not limited to, hazards associated with balloon filling, the use of compressed gas and health and safety hazards associated with operating the tilt-up tower for the wind gauge.
- 5.1.5 The Contractor and contract resources must ensure that all hazardous material and substances are identified, labelled correctly and stored and handled safely.
- 5.1.6 The Contractor must ensure that all protective equipment / and personal protective clothing required for the work and the safety of employees is available and in good condition and all employees are aware of the correct use of the protective equipment.
- 5.1.7 The Contractor must investigate and record all known accidents or other hazardous occurrences in the workplace. If necessary, the Contractor must prepare a complete Hazardous Occurrence Investigation Report, (Labour Canada form 369) and forward copies to the Project Authority and the ECCC Human Resources Office in the respective Region.

- 5.1.8 The Contractor must comply with all oral or written directions provided by the ECCC Project Authority.
- 5.1.9 Where the work is performed, the Contractor must comply with all Standing Orders and all other Regulations in force relating to the safety of persons on the station and the protection of property against loss or damage from any and all causes.
- 5.1.10 The Contractor must adhere to all fire and general safety regulations as specified by the Water Survey Senior Building Officer or Project Authority.
- 5.1.11 All matters affecting the health and safety of weather observing resources or other individuals working in or around the weather observing station, must be brought immediately to the attention of the Water Survey of Canada Senior Building Officer.
- 5.1.12 The Contractor must comply with WHMIS (Workplace Hazardous Material Information System) legislation. This must include but not be limited to ensuring all contract resources are WHMIS trained and maintain their WHMIS certification as necessary to comply with the legislation, ensuring all WHMIS controlled products are identified with the correct labels and that these products are stored, handled and disposed of according to Federal, Provincial and local laws. Valid Material Safety Data Sheet (MSDS) must be available for each identified controlled product and staff must be trained in the safe and correct handling, storage, and use of each controlled product. Proof of certification is required by the Project Authority at contract award and/or when staff changes.
- 5.1.13 The Contractor must ensure that all staff who ship and/or receive dangerous goods (such as compressed gas cylinders, batteries), have and maintain Transportation of Dangerous Goods (TDG) training and certification necessary to comply with the legislation.
- 5.1.14 The Contractor and resources must ensure that all compressed gas cylinders are handled safely, properly stored, prepared, labeled, and have the required documentation prior to shipping.
- 5.1.15 **The Contractor must supply to ECCC, within thirty (30) days of the commencement of the contract, proof of certification of all employees in WHMIS training.** If necessary, the Contractor must provide training to all new staff within 30 days of their employment start date.
- 5.1.16 The Contractor must supply proof of certification within thirty (30) days of commencing the contract that at least one member on the staff have completed training in the Transportation of Dangerous Goods Act. New proof must be sent in the event of any staff changes. The Contractor may have to provide to ECCC a copy of the valid certification of each of his employees, throughout the contract term.
- 5.1.17 The Contractor and all contract resources must strictly adhere to all fire and general safety regulations applicable at the facility. All matters affecting the health and safety of weather observing staff or other individuals working in or around the weather observing station must be brought immediately to the attention of the Project Authority.
- 5.1.18 The Contractor must supply proof of valid Workers' Compensation coverage for all employees in the Province/Territory in which the work is performed.
- 5.1.19 The Contractor is responsible for the safety of his employees. The Contractor will relieve ECCC of all liability as regards claims, requests, actions, demands, lawsuits, fees, expenses and legal proceedings initiated by anyone, in any way whatsoever, following the death of an employee, an injury to an employee, the loss of property or material damages

suffered due to activities carried out by the Contractor while delivering services under this contract.

- 5.1.20 The Contractor's OHS plan must include a working alone section. This section of the Contractor's OHS plan must include a mechanism to ensure the health and safety of the observers while they are working alone at the weather station. Any and all logistics and costs associated with the working alone plan will be the sole responsibility of the Contractor.

5.2 Environment and Climate Change Canada (ECCC) Responsibilities

- 5.2.1 Under the Provisions of Part II of the Canada Labour Code (CLC), ECCC will ensure that all facilities, machinery, instruments and protective devices, meet the standards set out in the Canada Labour Code Regulations. These include buildings, steps and walkways, guardrails and entries to and exits from the workplace. ECCC will also ensure that ventilation, lighting, and noise levels comply with CLC regulations.
- 5.2.2 ECCC will ensure that electrical distribution systems, generators and instrument installations meet the Canada Labour Code regulations and/or Provincial Electrical Code Standards.
- 5.2.3 ECCC will provide sanitary and personal facilities.
- 5.2.4 ECCC will provide fire extinguishers and first aid kits.
- 5.2.5 ECCC will provide information on current MSDS (Material Safety Data Sheets) for all known WHMIS controlled products on site prior to the commencement of the contract and upon request throughout the duration of the contract.
- 5.2.6 ECCC will provide personal protective equipment for hazards associated with balloon filling or contamination. This equipment includes hearing and eye protection, safety gloves.
- 5.2.7 ECCC will provide information to the Contractor regarding known or foreseeable workplace hazards such as those associated with balloon filling or compressed gases.
- 5.2.8 ECCC will monitor the Contractor's compliance with Health and Safety procedures and regulations through annual facilities and observing program inspections or independent audits.
- 5.2.9 ECCC will provide the contractor with a copy of the building Emergency Measurement plan.

5.3 Emergency Plans

- 5.3.1 The Contractor, in consultation with the Project Authority, must prepare and submit an Emergency Action Plan for approval detailing procedures to be followed by all staff in cases where extraordinary events, such as power failures, severe weather, natural disasters or other events beyond the control of the Contractor or his staff, may interfere with or prevent the weather observation duties.
- 5.3.2 The Emergency Action Plan must address alternate methods of transmitting aerological observations and a resource call-in procedure to maintain the program. The plan must also include a user notification plan detailing the individuals or agencies to be notified both during any program interruption and following the normal resumption of business.
- 5.3.3 The Contractor must ensure that all contract resources are aware of this plan and the procedures to be followed in such instances.

- 5.3.4 The Contractor must complete the Emergency Action Plan within thirty (30) days of the commencement of the contract. This action plan must be forwarded to the Project Authority within this thirty (30) day time frame.

5.4 WHMIS and Transportation of Dangerous Goods (TDG)

- 5.4.1 It is the Contractor's responsibility to comply with the Workplace Hazardous Material Information System (WHMIS), the Transportation of Dangerous Goods Act - Land (TDG) and all applicable Occupation Safety and Health (OSH) regulations.

- 5.4.2 The Contractor agrees to provide, within thirty (30) days of the start of the contract: a site specific OSH Plan including Emergency Action Plan as detailed in the Statement of Work, Annex "A", contained herein.

5.5 Material Safety Data Sheets (MSDS)

- 5.5.1 MSDS sheets for all known ECCC provided hazardous chemicals on-site will be made available to the Contractor prior to contract commencement. The Contractor must ensure the station MSDS sheets are kept current and new MSDS sheets are ordered from the Project Authority as and when required. If the Contractor brings hazardous chemicals to the station, it will be the Contractor's responsibility to provide up to date MSDS sheets for each hazardous chemical.

6. Other

- 6.1 In order to assist the Contractor in achieving and maintaining acceptable standards of operation to the satisfaction of the Project authority, ECCC will provide the services of a qualified ECCC Officer to inspect the station and records on an annual basis.
- 6.2 Due to issues such as human resources and automation, ECCC retains the right to terminate the contract without penalty upon sixty (60) days written notice; or, in part, (de-scoping) upon sixty (60) days written notice by ECCC. If the requirement is descope, a new acceptable monthly/daily/hourly rate will be negotiated.
- 6.3 Access to any facilities and equipment necessary in the performance of the work will be provided through arrangements to be made by the Project Authority. There will be, however, no day to day supervision of activities or control of hours of work by the Project Authority.

7. Termination by Canada

- 7.1 Notwithstanding any clause to the contrary, Canada may by giving no less than 60 days written notice to the Contractor, terminate the Contract ("Notice of Termination") in accordance with this section. A termination date will be specified in the Notice of Termination ("Termination Date"). A Notice of Termination may be served by electronic mail, regular mail, courier, facsimile or by hand.
- 7.2 If a Notice of Termination is given pursuant to previous paragraph, the Contractor will be entitled to be paid up to the Termination Date for the services actually rendered pursuant to the Contract, and accepted by Canada. The services actually rendered must be invoiced in accordance with the various payments and invoicing provisions of the Contract, such as the Basis of Payment.

- 7.3 Notwithstanding anything to the contrary, Canada will not be liable to the Contractor for any claim of any nature whatsoever related to Notice of Termination, whether in contract, tort or otherwise, including but not limited to claims for damages, compensation, loss of profit, payments (statutory or otherwise) or damages to the Contractor's employees whose services are no longer required, allowances, that arise out of any notice given by Canada under this section, except to the extent provided hereunder.
- 7.4 Nothing in this clause will be construed as limiting Canada's right to terminate the contract immediately for convenience in accordance with the applicable general conditions.

**APPENDIX 2 to ANNEX A
PENALTIES FOR NON PERFORMANCE- UPPER AIR**

Penalties for non-performance may apply in the event of delayed or missing aerological data, as described below.

For aerology work and the purpose of non-performance penalties only, an aerological observation will be considered to be 3 hours in length.

DEFINITION OF SITUATIONS:

NORMAL RELEASE	<p>Every effort must be made to perform the aerological release at 11:15 UTC (morning) and 23:15 UTC (evening).</p> <p>Due to conditions beyond the control of the Contractor, there may be short delays in performing the release and actual release times between 11:15 and 11:29 UTC (morning) and 23:15 and 23:29 UTC (evening) will be considered "normal".</p>
EARLY ASCENTS	<p>If an aerological release is made prior to 11:15 UTC for the morning observation or prior to 23:15 UTC for the evening observation it will be considered "early".</p> <p>A reduction of one-half (0.5) times the aerological Observation rate may apply.</p>
DELAYED ASCENTS	<p>If an aerological release is made after 11:29 UTC but before 11:45 UTC OR after 23:29 UTC but before 23:45 UTC, the release must be logged as "DELAYED" and a message must be sent on the ECCC communications system advising of the delayed ascent.</p> <p>If the delay was caused by equipment malfunction or weather (as determined by the Project Authority) beyond the control of the Contractor, there will be no reduction in the payment to be made to the Contractor.</p> <p>If the delay was caused by something other than equipment malfunction or weather (as determined by the Project Authority), there will be a reduction in the payment to the Contractor of one-half (0.5) times the aerological Observation rate for each occurrence. A delayed release due to routine radiosonde or balloon rejections during preparation is not acceptable.</p>
MISSED ASCENTS	<p>If a morning aerological release is not made before 11:45 UTC, if an evening release is not made before 23:45 UTC, the release must be recorded as "MISSING". A message must be sent on the ECCC communication system advising of the missed ascent.</p> <p style="text-align: center;">Releases must not be attempted after 1345 UTC (morning) and 0145 UTC (evening).</p> <p>If a release was attempted but due to equipment malfunction (as determined by the Project Authority) beyond the control of the Contractor, was not completed, the Contractor will not be subject to penalties for non-performance.</p> <p>If a release was not done for reasons other than equipment malfunction or weather (as determined by the Project Authority), the Contractor will not be paid for the observation plus a reduction of one (1.0) times the aerological Observation rate will be applied.</p>

<p style="text-align: center;">INCLEMENT WEATHER/ROAD CONDITIONS</p>	<p>The Contractor is not required to travel to the aerological station and conduct aerological observations in the event of the following weather or road conditions: prevailing wind speed greater than sixty (70) kilometers/hour; <i>and either:</i></p> <p style="padding-left: 40px;">a) prevailing visibility less than four hundred (400) meters (1/4 mile);</p> <p>or</p> <p style="padding-left: 40px;">b) wind chill of more than 2,300 watts/square meter (approximately -50 degrees or roads are closed).</p> <p>The Contractor will not be held liable for non-performance penalties resulting from the missed ascent due to inclement weather/road conditions; however, the Project Authority must be notified.</p> <p>In order to avoid penalties for non-performance, the Stony Plain Service Desk MUST be contacted at 1-877-292-0939. If the call is not made, the survey will be considered to be missed and penalties for non-performance will be applied.</p> <p>If the weather conditions in in the above paragraph do not exist, but in the opinion of the Contractor attempting an observation will cause a significant risk to the observer’s health and safety, the Contractor is not obligated to attempt an aerological observation and penalties for non-performance will not apply, however, the Stony Plain Service Desk MUST be contacted at 1-877-292-0939.</p> <p>If the contract resource cannot make it to the Upper Air Station for reasons other than inclement weather, such as building maintenance issues, vehicle issues or for any other reason than the Stony Plain Service Desk MUST contacted at 1-877-292-0939.</p> <p>In the case, it is considered as missed ascent, the Contractor will not be paid for the observation plus a reduction of one (1.0) times the aerological Observation rate will be applied.</p>
<p style="text-align: center;">OBSERVATION QUALITY</p>	<p>If an error is made in the pre-flight setup of the aerological instrument which caused the flight data to become invalid (surface temperature, pressure, etc are incorrect) then there will be a reduction in the payment to the Contractor of one-half (0.5) times the Aerological Observation rate.</p> <ul style="list-style-type: none"> • A sustained number of delayed, missing, or inaccurate ascents can result in termination of the Contract for cause. • A sustained number of delayed, missing, or inaccurate ascents by a contract aerological observer can result in revocation of the observer’s authorization to perform aerological Observations. • Penalties for quality control are applied to the Contractor’s monthly performance and not to any individual observer’s performance.
<p style="text-align: center;">AEROLOGICAL MESSAGE TRANSMISSION</p>	<p>If any messages are transmitted late, the aerological release will be considered ‘DELAYED’.</p> <p>If any of the messages are not transmitted within one (1) hour of the required transmission times, the release will be considered “MISSING”.</p>

The observer MUST check to ensure that all messages are transmitted as required.

Penalties will not apply in the event of DELAYED or MISSING aerological messages caused by equipment malfunction, weather conditions (as outlined in this document), early balloon burst, multiple releases and/or total communication system failure.

In the case message are considered DELAYED or MISSING; penalties will apply accordingly.

Appendix 3 to Annex A HAZARDS

There are a number of hazards that an observer may face as part of their regular day to day duties. These hazards may be either physical, chemical or both in nature.

1. **Physical Hazards**

Some of the known physical hazards on station are:

- asphyxiation from helium
- eye/ear injury from ruptured balloons
- exposure to radiation from computer monitors
- frost bite while working on outdoor equipment
- slip, trip and fall hazards while releasing balloons
- skin burns from acids/caustics
- injury from high pressure helium cylinders (explosion and crushing injuries)
- working alone in a remote location
- opening/closing of the inflation building main overhead door
- fire extinguishers (explosion and asphyxiation)
- electrocution
- encounters with wildlife while working outdoors
- cuts and/or punctures while maintaining equipment

2. **Chemical Hazards**

Some of the known chemical hazards on station are:

- lubricating oil
- battery acid
- fire extinguishers

3. A complete listing of all known physical or chemical hazards, as well as the recommended practices to minimize their dangers, will be made available to the Contractor prior to contract commencement.
4. The Contractor must ensure all contract resources have been made aware of all known physical or chemical hazards and have received training in safe work practices, including the use of personal protective equipment, to minimize these hazards. Any new or unlisted chemical hazards must be brought to the attention of the Project Authority immediately.
5. The Contractor must ensure contract resources are equipped with, and use, supplier recommended personal protective equipment (PPE) (such as face masks, chemical resistant gloves, safety boots, etc.) in the completion of their duties.
6. Upon commencement of the contract and on the contract anniversary dates thereafter, the Contractor must perform an inventory of all PPE contract resources are equipped with and forward same to the Project Authority to ensure compliance.
7. The Project Authority must annually review the inventory and the contractor's training plan. The Contractor must remedy any noted deficiencies to the satisfaction of the Project Authority. Failure to do so will be considered Cause for Termination of the Contract.
8. Material Safety Data Sheets (MSDS)

MSDS for all known ECCC provided hazardous chemicals on station will be made available to the Contractor prior to contract commencement. The Contractor must ensure the station MSDS are kept current and new MSDS are ordered from the Project Authority as and when required.

If the Contractor brings hazardous chemicals onto the station, the Contractor's must provide up to date MSDS for each hazardous chemical.

**Appendix 4 to Annex A
APPLICABLE DOCUMENTS**

Documents Referenced in the Statement of Work:

Manual of Upper Air Observations (MANUPP):

http://web.unbc.ca/~murphyb/zxs/doc/manuals/MANUPP_3rd_edition_e.pdf

Manual of Surface Weather Observations (MANOBS): <http://www.ec.gc.ca/manobs/>

Documents To Be Provided at Contract Award:

Manual of Upper Air Observations (MANUPP):

https://buyandsell.gc.ca/cds/public/2018/07/09/57b9a33bd3ecc1e7adc283a80a01a0db/manual_of_upper_air_observations_-_third_edition_-.pdf

Safety and Health Manual for Atmospheric Environment Program

Aerological Observer's Course Training Manual Module 2.7

ECCC PNR Observer Qualification Policy

Occupational Health & Safety Report

Quality Control Report, Station Equipment Checklist

ECCC's Policy on the Use of Electronic Networks

Appendix 5 to Annex A
AEROLOGICAL CERTIFICATION POLICY

1.1 Policy

It is MSC policy that aerological observers hold certification issued by the Meteorological Service of Canada to conduct aerological surveys.

1.2 Reason for the policy

The reason for this policy is to maintain the integrity of the MSC's weather network data. This is only possible if the competency of the observers is ensured. Aerological observers must thus demonstrate that they have the required knowledge and ability to carry out aerological surveys properly.

1.3 Certification:

To qualify for aerological observation certification, candidates must:

- a) Take the training required to carry out the aerological surveys according to the MSC's standards and procedures;
- b) Be certified by an authorized MSC representative to operate and maintain certain pieces of equipment;
- c) At the end of the initial training, demonstrate the ability to carry out an aerological survey without the help of the MSC's authorized representative.

1.4 Operational Requirements

Employees must be certified as aerological observers in order to carry out aerological surveys in accordance with MSC standards, after undergoing training at their assigned aerological station.

1.5 Conditions for Non-Certification/Revocation

1.5.1 The project officer will revoke the certification of an aerological observer if there is reason to believe that the observer's performance is not up to standard. An evaluation of the observer's work will be conducted at the station by an authorized MSC representative before the recommendation to revoke certification is made.

1.5.2 Certification will be automatically revoked if an observer does not conduct at least one (1) aerological observation every 60 consecutive days thereafter.

1.5.3 An observer's certification will be automatically revoked if the observer leaves his employment.

1.6 Written notice

1.6.1 The project officer or the project officer's authorized representative will give the observer written notice, including the date, site and reason for non-certification/revocation. A copy of this notice will be sent to:

- The Contractor
- The contracting authority

1.6.2 If an aerological observation certificate is revoked, the observer may no longer conduct aerological surveys. If the notice is ignored, the contract will be automatically cancelled.

1.7 Re-Certification Procedures

1.7.1 If the Contractor wants an observer to be re-certified, the Contractor must submit a request to the project officer, who will initiate re-certification procedures at the station. 60 business days' notice is required and the Contractor will be responsible for the re-certification costs.

1.7.2 To be re-certified, an observer is required to demonstrate his competency to carry out aerological observations. The re-certification exam will take place at the station. At the discretion of the MSC representative, a written exam may be required.

1.7.3 At the discretion of the project officer, in some cases, re-certification may require the observer to take another training session.

**ANNEX B
BASIS OF PAYMENT/FINANCIAL BID EVALUATION SHEET**

The Bidder's prices must be submitted based on the hours of work described below. The price must be stated per year and not include GST/HST. Overhead and profit are to be included in the firm, all-inclusive rates. FOB destination, Canadian customs duties and excise taxes included.

Penalties for non performance will apply in the event of delayed, missing data or non-performance as described in Appendix 2 to Annex A.

For the work described in Annex A – Statement of Work, this basis of payment applies:

**Table 1.1
Firm Contract Year 1 - (from contract award – November 30, 2021)**

Line	Description	Usage Quantity	Unit of Issue	Firm Unit Price	Total Estimated Cost
<p>Pricing Schedule 1 - Firm All Inclusive Prices - The Contractor will be paid the following firm all-inclusive rates for work performed in accordance with the Statement of Work at Annex A.</p>					
1.	Aerological Observations Twice daily Saturday, Sundays and ALL Statutory holidays as identified in the SOW.	228	Obs	\$_____	\$_____
<p>Pricing Schedule 2 - additional "As and When Requested" work and purchase of materials The Contractor will be paid the following firm hourly rates, for work performed pursuant to this Contract, in accordance with the Statement of Work at Annex A.</p> <p>Note that the following Usage Quantity is for evaluation purposes only. Actual usage may vary.</p>					
1.	Additional observations as and when requested throughout the contract year.	164	Obs	\$_____	\$_____
2.	Hourly labour rate	20	hours	\$_____	\$_____
Total Estimated Price - Firm Contract Year 1:					\$_____

Table 1.2
Firm Contract Year 2 - (December 1, 2021 – November 30, 2022)

Line	Description	Usage Quantity	Unit of Issue	Firm Unit Price	Total Estimated Cost
<p>Pricing Schedule 1 - Firm All Inclusive Prices - The Contractor will be paid the following firm all-inclusive rates for work performed in accordance with the Statement of Work at Annex A.</p>					
1.	Aerological Observations Twice daily Saturday, Sundays and ALL Statutory holidays as identified in the SOW.	228	Obs	\$ _____	\$ _____
<p>Pricing Schedule 2 - additional “As and When Requested” work and purchase of materials The Contractor will be paid the following firm hourly rates, for work performed pursuant to this Contract, in accordance with the Statement of Work at Annex A.</p> <p>Note that the following Usage Quantity is for evaluation purposes only. Actual usage may vary.</p>					
1.	Additional observations as and when requested throughout the contract year.	164	Obs	\$ _____	\$ _____
2.	Hourly labour rate	20	hours	\$ _____	\$ _____
Total Estimated Price - Firm Contract Year 2:					\$ _____

Table 1.3
Option Year 1 - (December 1, 2022 – November 30, 2023)

Line	Description	Usage Quantity	Unit of Issue	Firm Unit Price	Total Estimated Cost
<p>Pricing Schedule 1 - Firm All Inclusive Prices - The Contractor will be paid the following firm all-inclusive rates for work performed in accordance with the Statement of Work at Annex A.</p>					
1.	Aerological Observations Twice daily Saturday, Sundays and ALL Statutory holidays as identified in the SOW.	228	Obs	\$ _____	\$ _____
<p>Pricing Schedule 2 - additional "As and When Requested" work and purchase of materials The Contractor will be paid the following firm hourly rates, for work performed pursuant to this Contract, in accordance with the Statement of Work at Annex A.</p> <p>Note that the following Usage Quantity is for evaluation purposes only. Actual usage may vary.</p>					
1.	Additional observations as and when requested throughout the contract year.	164	Obs	\$ _____	\$ _____
2.	Hourly labour rate	20	hours	\$ _____	\$ _____
Total Estimated Price - Firm Contract Year 3:					\$ _____

Financial Evaluation Summary:	
Total Price - Firm Contract Year 1 (A):	\$ _____
Total Price - Firm Contract Year 2 (B):	\$ _____
Total Price – Option Period (C):	\$ _____
Total Evaluation Bid Price (A+B+C+D+E) :	\$ _____

ANNEX C SECURITY REQUIREMENTS CHECK LIST



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

SECURITY REQUIREMENTS CHECK LIST (SRCL) LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine Change Canada	2. Branch or Directorate / Direction générale ou Direction Meteorological Service of Canada	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant
4. Brief Description of Work / Brève description du travail Provide upper air weather observations at the Vernon Weather Station at Vernon BC		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
6. Indicate the type of access required / Indiquer le type d'accès requis		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à : Specify country(ies): / Préciser le(s) pays : <input type="checkbox"/>	Restricted to: / Limité à : Specify country(ies): / Préciser le(s) pays : <input type="checkbox"/>	Restricted to: / Limité à : Specify country(ies): / Préciser le(s) pays : <input type="checkbox"/>
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>		TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité





Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? No / Non Yes / Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :
Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITE | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux : _____

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui

If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL / NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET / TRÈS SECRET
										A	B	C				
Information / Assets / Renseignements / Biens / Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED? No / Non Yes / Oui
 La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
 Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED? No / Non Yes / Oui
 La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
 Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées) Shelley Rouire		Title - Titre Supervisor, Contract Programs	Signature Rouire, Shelley <small>Digitally signed by Rouire, Shelley Date: 2020.06.10 13:58:48 -05'00'</small>
Telephone No. - N° de téléphone 204 880-2479	Facsimile No. - N° de télécopieur 204-984-2072	E-mail address - Adresse courriel Shelley.Rouire@canada.ca	Date June 10, 2020

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées) Lori Nelson		Title - Titre	Signature Nelson, Lori <small>Digitally signed by Nelson, Lori Date: 2020.06.10 13:06:37 -06'00'</small>
Telephone No. - N° de téléphone 780 951-8895	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel lori.nelson@canada.ca	Date

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? / Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes? No / Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

ANNEX D
FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a Contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
 - A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

ANNEX E INSURANCE REQUIREMENTS

Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Contractor will provide the Contracting Authority thirty (30) days prior written notice of policy cancellation or any changes to the insurance policy.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - l. Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.

ANNEX F
LETTER OF AVAILABILITY AND WILLINGNESS TO PERFORM WORK UNDER THE CONTRACT

I _____ **[insert name]**, confirm that I am willing and available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation, and that I am willing to undergo any required training to do the work.

I further confirm that _____ **[insert name of Bidder]** has the authorization to provide my name as a resource in its bid for the Weather Observation Services Contract.

Name and Signature

Date

**ANNEX G
WORK EXPERIENCE TEMPLATE**

	WORK EXPERIENCE TEMPLATE
Name of the Resource	
Education	
Relevant Certification	
	E.G. EXPERIENCE #1 (repeat for each different work experience)
Name of the organisation the work was performed for;	
Title of the Project/work or contract name;	
Description of the work provided, including role and responsibilities of the proposed resource;	
Start date (specify month and year);	
End date (specify month and year);	
Total number of years; including if the work is still in progress;	
Name and contact information (phone number, email) of a reference who will confirm the information supplied by the Bidder	
	EXPERIENCE #2 (repeat for each different work experience)