



**Royal Canadian Mounted Police
Gendarmerie Royale du Canada**

**RETOURNER LES
SOUMISSIONS À:
RETURN BIDS TO:**

**Bid Receiving/Réception des
sousmissions**

RCMP
Procurement and Materiel Management
Atlantic Region
80 Garland Ave – Mailstop H-066
Dartmouth, N.S. B3B 0J8

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

Proposal to: Royal Canadian
Mounted Police

We hereby offer to sell to Her
Majesty the Queen in right of
Canada, in accordance with the
terms and conditions set out
herein, referred to herein or
attached hereto, the goods,
services and construction listed
herein and on any attached sheets
at the price(s) set out therefore.

Proposition aux: Gendarmerie
royale du Canada

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

**Comments – Commentaries
Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

**Telephone No.
no de téléphone:**

Canada

Title-Sujet Tactical Unmanned Aerial Vehicles - RCMP Atlantic Region	
Solicitation No. - No. de l'invitation M400044496	Date 2013-12-30
Client Reference No. - No. De Référence du Client 02014044496	
Solicitation Closes - L'invitation prend fin at 02:00 PM on 2014-01-16	
F.O.B. - F.A.B. See Herein Voir ci-attaché	
Address Enquiries to: - Adresser toutes questions à: Jennifer Legere	
Telephone No. - No de téléphone 902-720-5108	Fax No. - N° de FAX: 902-426-7136
Destination of Goods and Services: Destinations des biens et services: Royal Canadian Mounted Police See herein Voir ci-attaché	
Delivery Required - Livraison exigée: See Herein Voir ci-attaché	Delivery Offered – Livraison proposée See Herein Voir ci-attaché
Name and title of person authorized to sign on behalf of Vendor/Firm - Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur	
_____ Signature	_____ Date



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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The requirement is detailed under Annex A.

3. Debriefings

After contract award, 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.

4. Procurement Ombudsman

The Office of the Procurement Ombudsman (OPO) was established by the Government of Canada to provide an independent avenue for suppliers to raise complaints regarding the award of contracts under \$25,000 for goods and under \$100,000 for services. You have the option of raising issues or concerns regarding the solicitation, or the award resulting from it, with the OPO by contacting them by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca. You can also obtain more information on the OPO services available to you at their website at www.opo-boa.gc.ca.

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 *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.

Revision to Departmental Name: As this solicitation is issued by RCMP, any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Section 01 – Code of Conduct and Certification – Bid of 2003 referenced above is amended as follows:

Delete subsection 1.4 and 1.5 in their entirety.



1.1 SACC Manual Clauses

B3000T Equivalent Products (2006-06-16)

1.2 Maximum Funding

The maximum funding available for the Contract resulting from the bid solicitation is \$ 165, 000.00 (*Applicable Taxes and Options extra*). Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

2. Submission of Bids

Bids must be submitted only to Royal Canadian Mounted Police (RCMP) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

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

3. Enquiries - Bid Solicitation

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

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

4. Applicable Laws

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

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 (two (2) hard copies)
- Section II: Financial Bid (one (1) hard copy)



Section III: Certifications (one (1) hard 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.

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment at Annex B. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

1.1 Exchange Rate Fluctuation

C3011T (2010-01-11), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

Please refer to Annex C.



1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

2. Basis of Selection

A0031T Basis of Selection - Mandatory Technical Criteria (2010-08-16)

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

1.1.1 By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

2. Additional Certifications 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 so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.



2.1 Federal Contractors Program – 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 Human Resources and Skills Development Canada (HRSDC) - 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.



PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Contractor must provide the requirement in accordance with the Requirement at Annex "A".

3. Standard Clauses and Conditions

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

Revision to Departmental Name: As this contract is issued by RCMP, any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Section 29 - Code of Conduct and Certifications - Contract of 2010A referenced above is amended as follows:

Delete subsection 29.4 in its entirety.

3.2 Supplemental General Conditions

4003 Licensed Software (2010-08-16)

4004 Maintenance and Support Services for Licensed Software (2010-08-16)

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before March 31, 2014.

4.2 Option to Purchase Additional Goods and Services

The Contractor grants to Canada the option to purchase additional goods and services under the same terms and conditions herein, up to and including March 31 2015. Please refer to Annexes A and B.

Canada may exercise this option at any time by sending a written notice to the Contractor at least seven (7) calendar days before the Contract expiry date. 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:



Jennifer Legere
Senior Contracting Manager
RCMP Atlantic Region
Procurement & Materiel Management
80 Garland Avenue, Mailstop H-066
Dartmouth, N.S. B3B 0J8
Tel: 902-720-5108
Fax: 902-426-7136
E-mail: jennifer.legere@rcmp-grc.gc.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

The Project Authority for the Contract is: *To be determined at Contract Award.*

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

5.3 Contractor's Representative

Name of Authorized Representative: _____

Legal Company Name: _____

Operating Name (if different from above): _____

Mailing Address: _____

Telephone: _____

Facsimile: _____

E-mail: _____

6. Payment

6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price, as specified in Annex B, for a cost of \$ _____ (*Amount to be inserted at contract award*). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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



6.2 SACC Manual Clauses

C6000C (2011-05-16) Limitation of Price

H1001C (2008-05-12) Multiple Payments

7. Invoicing Instructions

7.1. 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.

7.2. Invoices must be distributed as follows:

(a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Call-up for certification and payment.

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation 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, provide the related documentation or if 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. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. *(To be inserted by Bidder)*

10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the supplemental general conditions 4003 Licensed Software (2010-08-16) and 4004 Maintenance and Support Services for Licensed Software (2010-08-16);
- (c) the general conditions 2010A (2013-04-25), General Conditions - Goods (Medium Complexity);
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment;
- (f) the Contractor's bid dated _____ *(To be inserted by Bidder)*

11.1 Dispute Resolution Services

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 2.1(1) of the Department of Public Works and Government Services Act will, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.



The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

11.2 Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the Department of Public Works and Government Services Act will review a complaint filed by [the supplier or the contractor or the name of the entity awarded this contract] respecting administration of this contract if the requirements of Subsection 22.2(1) of the Department of Public Works and Government Services Act and Sections 15 and 16 of the Procurement Ombudsman Regulations have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa.opo@boa.opo.gc.ca.

12. SACC Manual Clauses

- B1501C Electrical Equipment (2006-06-16)
- G1005C Insurance (2008-05-12)



ANNEX "A" REQUIREMENT

The Royal Canadian Mounted Police (RCMP) has a requirement for the provision of tactical micro-UAVs (unmanned aerial vehicles), as described herein, for H Division (Nova Scotia).

The UAV must meet or exceed the mandatory requirements listed below:

1. The system **must** be able to take off and land vertically (VTOL).
2. The system **must** be able to hover and stare while in the air in a fixed position with +/- one (1) meter accuracy for ease of use by operator.
3. The system **must** have an automatic land and automatic take off capability.
4. Power source:
 - 4.1. Lithium battery (rechargeable);
 - 4.2. The time to resume operation after replacement of a battery (turnaround time) **must** be a maximum of five (5) minutes.
5. The entire system including ground control station, battery, payload and air vehicle **must** be able to be packed and hand carried by one single operator.
6. Weight:
 - 6.1 The entire equipment/system **must** weigh less than fifteen (15) pounds (lbs.).
 - 6.2 The flight system (the portion of the equipment that is airborne) **must** weigh less than five (5) lbs.
7. Set up and launch time of system must be less than 5 minutes.
8. Environmental Conditions: Equipment **must** be weather-proof and able to operate in various climactic conditions including the following:
 - 8.1. Equipment **must** be able to operate in a temperature range of -25°C to +38°C.
 - 8.2. Equipment **must** be able to operate in sustained winds of a maximum of 30 kilometres/hour (km/hr).
 - 8.3. Equipment **must** be able to operate in 100% humidity, including rain and snow.
9. Camera, Video feed & Photographs:
 - 9.1. Camera **must** have a minimum of 3 times optical zoom.
 - 9.2. Camera zoom **must** be controllable from the ground control station in real time by the operator.
 - 9.3. Equipment **must** have a thermal camera with a minimum resolution of 640x480.
 - 9.4. Real-time video stream from air vehicle to operator **must** be streamed in digital format and be visible to the operator on the controller.
 - 9.5. Video feed from system **must** be able to be streamed to the web for remote observation of data/video feed (i.e. by a remote command center or operation).
 - 9.6. All photographs taken by aerial vehicle must be geo-referenced including the following information:
 - 9.6.1. Date
 - 9.6.2. Time
 - 9.6.3. GPS coordinates
10. System **must** be able to be remotely supported including in the field software upgrades.
11. Flight logs **must** be automatically recorded. Flight logs **must** include the following information regarding the flight:
 - 11.1. Date;



- 11.2. Time;
- 11.3. Location;
- 11.4. Complete flight path;
- 11.5. Latitude/longitude decimal seconds.
12. System **must** have built-in fault tolerance including a minimum of but not limited to the following features:
 - 12.1. If low battery situation arises, system **must** automatically fly back to “home” position and land;
 - 12.2. If loss of communication between air vehicle and ground control station occurs, system **must** automatically fly back to “home” position and land;
13. System **must** have a High-definition (HD) payload with a minimum of 11 Mega-pixel (MP) still images and 1080 pictures at 30 frames per second (fps) video.
14. Altitude:
 - 14.1 System **must** have an adjustable height of a minimum of 0 metres to a maximum of 500 metres above ground level.
 - 14.2 Altitude **must** be controlled to an accuracy of within a minimum of one (1) metre.
15. System **must** have an operational range of a minimum of 500 metres.
16. System **must** have an operational time of a minimum of 20 minutes.
17. The equipment/system **must not** cause any electromagnetic interference with other RCMP equipment, such as radios or radar.
18. The Contractor **must** provide all parts, equipment, accessories and/or peripherals required for the normal operation of the UAV, including but not limited to batteries, battery charger, carrying case, and operator’s manual (in English).
19. Training:
 - 19.1. The Contractor **must** be able to provide training to a maximum of **two** (2) equipment users/operators per training session, on an as and when requested basis, within one year after the equipment is received. Training will take place at the supplier’s site. *Training will be completed by March 31, 2015.*
 - 19.2. A typical operator **must** be able to be trained within a maximum of two days.
20. Technical Support/Warranty
 - 20.1. The Contractor **must** be able to provide unlimited telephone and e-mail technical support on their product during regular business hours (Monday to Friday 800 hours to 1600 hours Atlantic Time) for two (2) years after the equipment is received. This must be included as part of the warranty.
 - 20.2. The Contractor **must** be able to provide unlimited regular software upgrades as they become available, for two (2) years after the equipment is received. This must be included as part of the warranty.
 - 20.3. The Contractor **must** be able to provide unlimited remote diagnostic support for two (2) years after the equipment is received. This must be included as part of the warranty.



ANNEX "B"

Basis of Payment

Bidders must complete the pricing table below. Bidders must quote a firm, all inclusive price, including associated overhead, profit and materials, travel and living expenses, required to complete the good and services as described in the Requirement at Annex A. Price quoted is FOB destination and exclusive of HST/GST and inclusive of customs duties (if applicable).

Description	Delivery Address FOB Destination	All inclusive Unit Price (in accordance with Annex A)	Quantity (EA)	Extended Price
Supply and Delivery of five (5) Tactical UAVs in accordance with Annex A.	RCMP H Division 80 Garland Avenue Dartmouth, N.S. B3B 0J8		5	
Warranty (for each UAV purchased; in accordance with Annex A)	See herein.		5	
Training (per session; in Accordance with Annex A)	<i>To be determined.</i>		1	
Options*				
Three (3) additional UAV units by March 31, 2015.	<i>To be determined.</i>		3	
Warranty (for each UAV purchased; in accordance with Annex A)	See herein.		3	
One (1) additional warranty period of two (2) years for each UAV unit.	See herein.		8	
Evaluated Total				

*Options will be exercised by the Contracting Authority via Contract Amendment.



Annex C
Mandatory Requirements and Evaluation Grid

Bidders must complete the table for all criteria below for the tactical micro-UAVs. For each item under the description, indicate whether the product meets the requirement, and identify the page(s) where each mandatory or minimum specification is demonstrated in the technical documentation provided with the bid. Canada reserves the right to verify any and all information relating to mandatory requirements prior to contract award.

Criterion	Description	✓ Met/Not Met	Page Number Reference
1	The system must be able to take off and land vertically (VTOL).	<input type="checkbox"/> 1	1__
2	The system must be able to hover and stare while in the air in a fixed position with +/- one (1) meter accuracy for ease of use by operator.	<input type="checkbox"/> 2	2__
3	The system must have an automatic land and automatic take off capability.	<input type="checkbox"/> 3	3__
4	Power source: 4.1 Lithium battery (rechargeable). 4.2 The time to resume operation after replacement of a battery (turnaround time) must be a maximum of five (5) minutes.	<input type="checkbox"/> 4.1 <input type="checkbox"/> 4.2	4.1__ 4.2__
5	The entire system including ground control station, battery, payload and air vehicle must be able to be packed and hand carried by one single operator.	<input type="checkbox"/> 5	5__
6	Weight: 6.1 The entire equipment/system must weigh less than fifteen (15) pounds (lbs.). 6.2 The flight system (the portion of the equipment that is airborne) must weigh less than five (5) lbs.	<input type="checkbox"/> 6.1 <input type="checkbox"/> 6.2	6.1__ 6.2__
7	Set up and launch time of system must be less than five (5) minutes.	<input type="checkbox"/> 7	7__
8	Environmental Conditions: Equipment must be weather-proof and able to operate in various climactic conditions including the following: 8.1 Equipment must be able to operate in a temperature range of -25°C to +38°C. 8.2 Equipment must be able to operate in sustained winds of a maximum of 30 kilometers/hour (km/hr). 8.3 Equipment must be able to operate in 100% humidity, including rain and snow.	<input type="checkbox"/> 8.1 <input type="checkbox"/> 8.2 <input type="checkbox"/> 8.3	8.1__ 8.2__ 8.3__
9	Camera, Video feed & Photographs: 9.1 Camera must have a minimum of 3 times optical zoom. 9.2 Camera zoom must be controllable from the ground control station in real time by the operator.	<input type="checkbox"/> 9.1 <input type="checkbox"/> 9.2	9.1__ 9.2__



Criterion	Description	✓ Met/Not Met	Page Number Reference
	<p>9.3 Equipment must have a thermal camera with a minimum resolution of 640x480.</p> <p>9.4 Real-time video stream from air vehicle to operator must be streamed in digital format and be visible to the operator on the controller.</p> <p>9.5 Video feed from system must be able to be streamed to the web for remote observation of data/video feed (i.e. by a remote command center or operation).</p> <p>9.6 All photographs taken by aerial vehicle must be geo-referenced including the following information:</p> <p style="padding-left: 40px;">9.6.1 Date</p> <p style="padding-left: 40px;">9.6.2 Time</p> <p style="padding-left: 40px;">9.6.3 GPS coordinates.</p>	<p><input type="checkbox"/> 9.3</p> <p><input type="checkbox"/> 9.4</p> <p><input type="checkbox"/> 9.5</p> <p><input type="checkbox"/> 9.6</p> <p><input type="checkbox"/> 9.6.1</p> <p><input type="checkbox"/> 9.6.2</p> <p><input type="checkbox"/> 9.6.3</p>	<p>9.3__</p> <p>9.4__</p> <p>9.5__</p> <p>9.6__</p> <p>9.6.1__</p> <p>9.6.2__</p> <p>9.6.3__</p>
10	System must be able to be remotely supported including in the field software upgrades.	<input type="checkbox"/> 10	10__
11	<p>Flight logs must be automatically recorded. Flight logs must include the following information regarding the flight:</p> <p>11.1 Date;</p> <p>11.2 Time;</p> <p>11.3 Location;</p> <p>11.4 Complete flight path;</p> <p>11.5 Latitude/longitude decimal seconds</p>	<p><input type="checkbox"/> 11.1</p> <p><input type="checkbox"/> 11.2</p> <p><input type="checkbox"/> 11.3</p> <p><input type="checkbox"/> 11.4</p> <p><input type="checkbox"/> 11.5</p>	<p>11.1__</p> <p>11.2__</p> <p>11.3__</p> <p>11.4__</p> <p>11.5__</p>
12	<p>System must have built-in fault tolerance including a minimum of but not limited to the following features:</p> <p>12.1 If low battery situation arises, system can be set to fly back to “home” position and land;</p> <p>12.2 If loss of communication between air vehicle and ground control station occurs, system can be set to fly back to “home” position and land.</p>	<p><input type="checkbox"/> 12.1</p> <p><input type="checkbox"/> 12.2</p>	<p>12.1__</p> <p>12.2__</p>
13	System must have a High-definition (HD) payload with a minimum of 11 Mega-pixel (MP) still images and 1080 pictures at 30 frames per second (fps) video.	<input type="checkbox"/> 13	13__
14	<p>Altitude:</p> <p>14.1 System must have an adjustable height of a minimum of 0 metres to a maximum of 500 metres above ground level.</p> <p>14.2 Altitude must be controlled to an accuracy of within a minimum of one (1) metre.</p>	<p><input type="checkbox"/> 14.1</p> <p><input type="checkbox"/> 14.2</p>	<p>14.1__</p> <p>14.2__</p>
15	15. System must have an operational range of a minimum of 500 metres.	<input type="checkbox"/> 15	15__
16	16. System must have an operational time of a minimum of 20 minutes.	<input type="checkbox"/> 16	16__



Criterion	Description	✓ Met/Not Met	Page Number Reference
17	The equipment/system must not cause any electromagnetic interference with other RCMP equipment, such as radios or radar.	<input type="checkbox"/> 17	17 __
18	<p>Training</p> <p>18.1 The Contractor must be able to provide training to a maximum of two (2) equipment users/operators per training session, on an as and when requested basis, within one year after the equipment is received. Training will take place at the supplier's site. <i>Training will be completed by March 31, 2015.</i></p> <p>18.2 A typical operator must be able to be trained within a maximum of two days.</p>	<input type="checkbox"/> 18.1 <input type="checkbox"/> 18.2	18.1 __ 18.2 __
19	<p>Technical Support/Warranty</p> <p>19.1 The Contractor must be able to provide unlimited telephone and e-mail technical support on their product during regular business hours (Monday to Friday 800 hours to 1600 hours Atlantic Time) for two (2) years after the equipment is received. This must be included as part of the warranty.</p> <p>19.2 The Contractor must be able to provide unlimited regular software upgrades as they become available, for two years after the equipment is received. This must be included as part of the warranty.</p> <p>19.3 The Contractor must be able to provide unlimited remote diagnostic support for two years after the equipment is received. This must be included as part of the warranty.</p>	<input type="checkbox"/> 19.1 <input type="checkbox"/> 19.2 <input type="checkbox"/> 19.3	19.1 __ 19.2 __ 19.3 __
20	The bidder must provide a minimum of two (2) detailed relevant examples where the Small Unmanned Aerial System (SUAS/UAV) has been deployed. Examples must be relevant (police or military organizations (other than/outside of RCMP) for surveillance and/or tactical applications) and recent (within the last three (3) years). Please refer to Annex D.	<input type="checkbox"/> 20	20 __



Annex D – 20. Bidder Examples

Bidders may use the following as a guide to meet the requirements for Criterion 20 of Annex C. Examples **must** be *relevant* (police or military organizations (other than/ outside of RCMP, for surveillance and/or tactical applications) and *recent* (within the last three (3) years). Descriptions must be limited to two pages. Examples will be evaluated on a Pass/Fail basis.

Client: _____

Geographic Location: _____

Description of circumstances under which UAV was used: _____

Outcome: _____

