



RETURN RESPONSES TO :
RETOURNER LES RÉPONSES À :
Receiving Office - Bureau de réception:

VIA EMAIL TO :
bidsubmissions.GEN-NHQContracting@CSC-SCC.GC.CA

ATTENTION : Diana Todorova

REQUEST FOR INFORMATION
DEMANDE DE RENSEIGNEMENTS

Comments — Commentaires :

Vendor/Firm Name and Address —
Raison sociale et adresse du fournisseur/de
l'entrepreneur :

Telephone # — N° de Téléphone :

Fax # — No de télécopieur :

Email / Courriel : _____

GST # or SIN or Business # — N° de TPS
ou NAS ou N° d'entreprise :

Title — Sujet : COUNTER UNCREWED AERIAL SYSTEMS (C-UAS) TECHNOLOGY	
Request for information (RFI) No. — N° de la demande de renseignements (DDR) : 21120-23-4416240	Date : June 6, 2023
Client Reference No. — N° de Référence du Client 21120-23-4416240	
GETS Reference No. — N° de Référence de SEAG 21120-23-4416240	
RFI Closes — La DDR prend fin at / à : 14 :00 Eastern Daylight Time (EDT) on / le : June 23, 2023	
F.O.B. — F.A.B. Plant – Usine: Destination: Other-Autre:	
Address Enquiries to — Soumettre toutes questions à: Diana Todorova – Diana.Todorova@csc-scc.gc.ca	
Telephone No. – N° de téléphone: 343-552-1625	Fax No. – N° de télécopieur:
Destination of Goods, Services and Construction: Destination des biens, services et construction: See herein	
Instructions: See Herein Instructions : Voir aux présentes	
Delivery Required — Livraison exigée : See herein	Delivery Offered – Livraison proposée : Voir aux présentes
Name and title of person authorized to sign on behalf of Vendor/Firm Nom et titre du signataire autorisé du fournisseur/de l'entrepreneur	

Name / Nom	Title / Titre

Signature	Date



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1. Title: COUNTER UNCREWED AERIAL SYSTEMS (C-UAS) TECHNOLOGY

2. Purpose and Nature of the Request for Information (RFI):

The Correctional Service Canada (CSC) is requesting Industry feedback regarding Counter-Uncrewed Aerial Systems (C-UAS) technology. Uncrewed aerial systems (UAS) are also commonly referred to as drones, Unmanned Aircraft Systems, Unmanned Aerial Vehicles (UAV), Remotely Piloted Aircraft Systems (RPAS).

The objectives of this RFI are:

- a. To inform industry of this forthcoming requirement;
- b. To identify solutions and potential approaches to meet CSC's requirements;
- c. To obtain industry responses to the draft statement of work in Annex A and questions in Annex B.

3. Planned Industry Engagement Strategy:

a. Request for Information (RFI)

This RFI is used as a means of exploring industry interests and possible options to meet CSC objectives as outlined under item 2. Purpose and Nature of the Request for Information.

This RFI includes a number of questions posed to industry on which CSC requires feedback at Annex B. Suppliers are invited to examine the draft statement of work document in Annex A and respond to the questions in Annex B.

b. Working Group Meetings

Working group meetings may be required as determined at CSC's sole and entire discretion. CSC may invite industry to working group meetings comprised of representatives from industry and the government of Canada to discuss specific issues, solutions and to further define and develop the requirement as needed. Following these meetings, CSC will finalize the statement of work and RFP documents. CSC will determine the nature and contents of the working groups, if required, as the consultation process unfolds.

c. One-On-One Meetings

Due to the complexity of this request, CSC may, at its entire discretion, decide to hold one-on-one meetings with industry representatives, for additional clarification:

- i. Industry participants will be provided with an opportunity to seek further clarification to the questions posed in the RFI in Annex B;
- ii. CSC may request clarifications of the responses submitted by industry.

Media: media cannot participate in any of the working groups and one-on-one meetings.

4. Instructions for Responding to this Request for Information

Respondents are reminded that this is an RFI and not a Request for Proposal (RFP) and, in that regard, respondents are requested to provide their comments, concerns and, where applicable, alternative recommendations regarding how the requirements or objectives described in this RFI could be satisfied.

RFI responses should clearly identify any additional information and/or clarification that respondents suggest be incorporated into any future solicitation documents. Respondents are also invited to provide comments regarding the content, format and/or organization of any draft documents included in this RFI.



Respondents should explain any assumptions they make in their responses. Any marketing or promotional information submitted as part of the responses will not be reviewed.

Responses will not be used for competitive or comparative evaluation purposes. Therefore, there is no formal structure or format for a response to this RFI. Respondents should feel free to submit whatever information they feel would make a useful and relevant contribution to the development of solicitation documents to procure the goods and/or services to meet CSC's requirements.

For ease-of-use and in order that the greatest value be gained from responses, CSC requests that any submissions to this RFI cite the questions appearing in Annex B to which the respondents' information pertains. This will assist CSC in gathering and collating submission information addressing specific areas of the requirement.

Changes to this RFI may occur and will be advertised on the Government Electronic Tendering System. Canada asks respondents to visit [Canada buys / tender opportunities website](#) regularly to check for changes, if any.

The information contained in this document remains a work in progress and respondents should assume that CSC may add new requirements to any solicitation that is ultimately published by Canada, and respondents should assume that CSC may delete or revise some of the requirements, at its own discretion.

5. Legislation, Trade Agreements, and Government Policies:

The following list is an example of some of the legislation, trade agreements and government policies that could impact on any follow-on solicitation(s):

- a) Canadian Free Trade Agreement (CFTA)
- b) Canada free trade agreements with Chile/Colombia/Honduras/Panama
- c) Canada-Peru Free Trade Agreement
- d) Procurement Strategy for Indigenous Business
- e) Comprehensive Land Claim Agreements
- f) Federal Contractors Program for Employment Equity
- g) Policy on Government Security
- h) Directive on the Management of Procurement
- i) Policy on Planning and Management of Investments
- j) Radiocommunication Act
- k) Radiocommunication Regulations
- l) Privacy Act
- m) Aeronautics Act and Canadian Aviation Regulations

6. Note to interested suppliers:

This request for information is neither a call for tender nor a Request for Proposal. No agreement or contract will be entered into based on this RFI. The issuance of this RFI is not to be considered in any way as a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. Potential suppliers of any goods or services described in this RFI should not reserve stock or facilities, nor allocate resources, as a result of any information contained in this RFI. This RFI will not result in the creation of any source lists.

This RFI is not to be considered as a commitment by the government of Canada to issue a subsequent solicitation or award contract(s) for the work described herein. This RFI is simply intended to solicit feedback from industry with respect to the subject matter described in this RFI.



Although the information collected may be provided as commercial-in-confidence (and, if identified as such will be treated accordingly by Canada), Canada may use the information to assist in drafting performance specifications (which are subject to change) and for budgetary purposes.

Respondents are encouraged to identify, in the information they share with Canada, any information that they feel is proprietary, third-party or personal information. Please note that Canada may be obligated by law (e.g. in response to a request under the Access to Information and Privacy Act) to disclose proprietary or commercially-sensitive information concerning a respondent (for more information: <http://laws-lois.justice.gc.ca/eng/acts/a-1/>).

Participation in this RFI is encouraged, but not mandatory. There will be no short-listing of potential suppliers for the purposes of undertaking any future work as a result of this RFI. Similarly, participation in this RFI is not a condition or prerequisite for the participation in any potential subsequent solicitation.

7. Response Costs

Canada will not reimburse any organization for expenses incurred in responding to this RFI. Participants are responsible for their own transportation, accommodation, meals, parking and all other expenses related to engagement activities. Canada will not reimburse any supplier or participants for expenses incurred in responding to Canada's questions or attending any meetings or other events during the engagement process.

8. Treatment of Responses

Use of Responses: Responses will not be formally evaluated. However, the responses received may be used by Canada to develop or modify the procurement approach, as well as any draft documentation contained in this RFI. Canada will review all responses received by the RFI closing date. Canada may, at its discretion, review responses received after the RFI closing date. Canada may also, at its discretion, contact any respondent to follow-up with additional questions or for clarification of any aspect of a response.

Review Team: A review team composed of representatives of the Correctional service of Canada (CSC) will review the responses. Canada reserves the right to hire any additional independent consultants, or use any Government of Canada (GC) resources that it considers necessary to review any response. Not all members of the review team will necessarily review all responses.

Confidentiality: Respondents should mark any portions of their response that they consider proprietary or confidential. Canada will handle the responses in accordance with the Access to Information Act.

9. Enquiries

All enquiries and other communications related to this RFI and subsequent Industry Engagement Activities must be directed exclusively VIA EMAIL to:

bidsubmissions.GEN-NHQContracting@CSC-SCC.GC.CA

Attention: Diana Todorova

The preferred method of communication is email.

Please note, since this is not a bid solicitation, Canada will not necessarily respond to enquiries in writing or by circulating answers to all Respondents.

10. Submission of Responses



Correctional Service
Canada

Service correctionnel
Canada

Time and Place for Submission of Responses: Organizations interested in providing a response should deliver it VIA EMAIL as identified above by the time and date indicated on page 1 of this RFI document.

Canada requests that Respondents submit their response in unprotected PDF format (i.e. no password) by email if the size of the document is less than 10 MB to:

E-mail: bidsubmissions.GEN-NHQContracting@CSC-SCC.GC.CA

Respondents are to note that CSC's email system has a limit of 10 MB per single email message. CSC's email system will reject emails with the following attachments: batch files, executable files, and image files in the following formats: JPEG, GIF, TIFF. Canada will not accept encrypted emails or emails that include attachments with passwords.

Responsibility for Timely Delivery: Each Respondent is solely responsible for ensuring its response is delivered on time, to the correct location.

Identification of Response: Each Respondent should ensure that its name, return address, the request for information number and the closing date appear legibly on the outside of the response or Respondents should include the Request for Information reference number in the subject field of their email..

Return of Response: Responses to this RFI will not be returned.



ANNEX A – DRAFT STATEMENT OF WORK

1. BACKGROUND

CSC is a federal government agency within the portfolio of Public Safety. The portfolio brings together key federal government organizations involved in public safety, including the Royal Canadian Mounted Police, the Parole Board of Canada, the Canada Border Services Agency, the Canadian Security Intelligence Service, and three review bodies.

CSC contributes to public safety through the custody and reintegration of offenders. More specifically, CSC is responsible for administering court-imposed sentences for offenders sentenced to two years or more. This includes both the custodial and community supervision of offenders with Long Term Supervision (LTSOs) for periods of up to 10 years.

2. GENERAL DESCRIPTION

CSC has a requirement to lease Counter Uncrewed Aerial Systems (C-UAS) technology to detect the presence of uncrewed aerial systems (UAS), commonly known as drones, near federal institutions in order to prevent intrusions and contraband deliveries.

1. The supplier must supply a fully functioning C-UAS device at one or more federal institutions specified in Annex C that meet the required technical specifications (details to be provided in Request for Proposal).
2. The supplier will be responsible for delivering and installing the equipment in accordance with the performance standards specified by the Technical Authority for the Correctional Service Canada (CSC).
3. The supplier must perform a successful site deployment test after initial system set-up/installation at each location where a system is delivered, and after any maintenance or system updates. The site deployment test will be witnessed and signed-off by the Technical Authority or delegate.
4. The supplier will be responsible for maintaining the equipment in accordance with a maintenance schedule, including any required inspections, testing and repairs. The supplier must provide any necessary parts to fix and/or replacement equipment, including shipping/delivery/customs and brokerage charges, as applicable. The supplier is responsible for providing any manufacturer updates to the C-UAS software, including patches, updates or upgrades. Supplier personnel performing equipment installation or maintenance will be required to undergo a security screening.
5. All operating manuals, maintenance manuals or other references relating to operating the system must be submitted electronically to the Technical Authority, and be available in both English and French. The supplier will also provide a minimum of one hardcopy version of all required operations and/or maintenance manuals to the Institutional Representative.
6. The supplier must be able to provide training to enable the designated operators to use this technology safely and effectively. Training in Quebec and New Brunswick must be conducted in French or English, determined entirely at the discretion of the Project Authority, as required. Training in all other provinces must be conducted in English. Class times and sizes are to be coordinated with the Project Authority. Training must include live-hands on instruction, as well as training materials (electronic or hardcopy) to be retained by the trainees. Training materials must be available in both English and French, according to the language of course instruction.



7. The delivery, installation, maintenance and training activities may take place at various maximum, medium and multi-level facilities across Canada. Please see Annex C for a list of potential locations.
8. Trained CSC staff at the institutions where the technology is installed will be responsible for operating the C-UAS technology.

3. ANTICIPATED PROCUREMENT PROCESS

CSC will use a two-phased approach for the procurement of C-UAS technology:

The first phase of the process will consist of an Invitation to Qualify (ITQ), which will be used to identify qualified suppliers to participate in the subsequent C-UAS technology procurement process. Suppliers will be invited to pre-qualify in accordance with the terms and conditions of the ITQ. Only qualified suppliers will be permitted to participate and bid on any subsequent solicitation issued as part of the procurement process.

The second phase of the process will consist of a Request for Proposals (RFP). CSC will release the RFP to qualified suppliers.

The estimated timeline for the Invitation to Qualify (ITQ) is summer 2023.

A Supply Chain Integrity assessment will be conducted as part of the procurement process.

CSC reserves the right, at its own discretion, to change the procurement process described above.



ANNEX B – QUESTIONS FOR THE INDUSTRY

The following questions are key elements for which CSC is seeking feedback. Though respondents are invited to make any comments or suggestions freely, CSC requests that respondents comment specifically on the subjects addressed in the questions below. CSC also requests that respondents indicate the number of the questions listed below to which the responses pertain.

Answers can be submitted in one of the two official languages of Canada (English or French).

Since this RFI is not a request for proposal and since no contract will be awarded solely because of this RFI, Canada reserves the right to open and review the responses upon receipt, if Canada wishes to be able to consult the responders before the closing date.

1. Would you accept standard legal language in the contract that states that each party is responsible for risks under its control and accepts responsibility for risks that it can manage or mitigate?
 - a. If no, would you agree to remain silent in the contract by not including limitation of liability or indemnification clauses in the contract and accept that the determination of liability will be subject to common or civil law?
2. Are there any other mandatory terms or conditions that CSC would need to agree to include in the contract?
3. What is the current lead time to deliver and install a C-UAS device?
4. Are you willing to lease C-UAS devices?
 - a. If yes, what is the minimum length of a lease you would be willing to accept? Is there a minimum or maximum number of devices you will be willing to lease to CSC?
 - b. If no, what is the reason you are unable or unwilling to lease C-UAS devices?
5. Please provide a description of the services you would be willing to offer as part of an equipment lease, including but not limited to, installation, maintenance, repairs, software updates, and operator training.
6. Do you offer portable C-UAS devices? If so, how long does it take to set up and take down the device?
7. Do you offer a vehicle-mounted C-UAS device?
8. Does your C-UAS device require an internet connection in order to operate?
9. If the C-UAS device is library based¹, how often does the manufacturer update the device library?
 - a. Is there a process available whereby CSC could request the manufacturer to add additional drone models to the device library? If so, please provide an estimate as to how long it would take the manufacturer to add additional drone models.
 - b. Does the C-UAS rely on a cloud-based or local database for its library of detected drones?
 - c. If your device is library based, can you provide a list of the drone makes/models it is currently capable of detecting?
10. Does the device utilize Artificial Intelligence (AI)? If yes, please provide a description as to how AI is used by the system.
11. If your device uses radar technology, what are the parameters of the types of drones it is able to detect? For example:

¹ A library refers to a database or collection of information that the detection system uses to identify and classify various drone models based on their unique RF signatures. Each drone model typically has a distinct radio frequency profile, which includes characteristics such as transmission frequencies, signal patterns, and modulation schemes. An RF drone detector analyzes the radio frequency spectrum in its vicinity and compares the detected signals to the information in its library. When the system finds a match between the detected signal and a known drone signature, it can then determine the presence of a drone and provide information about the specific drone model.



- a. What are the maximum and minimum distance ranges of drone detection for your RADAR system? What factors could affect these ranges?
 - b. What is the smallest Radar Cross Section (RCS) of a drone that your system can reliably detect?
 - c. What is the maximum and minimum altitude at which the system can detect drones?
12. Are there any limitations or challenges detecting certain types of drones, such as DIY drones, micro-drones, drones using geo-spoofing, masking the drone ID or using advanced stealth technologies?
13. Please provide any other details regarding the C-UAS capabilities and specifications that may be of interest to CSC.



ANNEX C – LIST OF POTENTIAL LOCATIONS

CSC REGION	FACILITY NAME	SECURITY LEVEL	LOCATION
Atlantic	Atlantic Institution	Maximum	Renous NB
	Nova Institution for Women	Multi-Level	Truro NS
	Dorchester Penitentiary / Shepody Healing Centre	Multi-Level	Dorchester NB
	Springhill Institution	Medium	Springhill NS
Quebec	Archambault Institution	Medium	Sainte-Anne-des-Plaines QC
	Cowansville Institution	Medium	Cowansville QC
	Donnacona Institution	Maximum	Donnacona QC
	Drummond Institution	Medium	Drummondville QC
	Federal Training Centre	Multi-Level	Laval QC
	Joliette Institution	Multi-Level	Joliette QC
	La Macaza Institution	Medium	La Macaza QC
	Port-Cartier Institution	Maximum	Port-Cartier QC
Regional Reception Centre	Multi-Level	Sainte-Anne-des-Plaines QC	
Ontario	Bath Institution	Medium	Bath ON
	Beaver Creek Institution	Medium	Gravenhurst ON
	Collins Bay Institution	Multi-Level	Kingston ON
	Grand Valley Institution for Women	Multi-Level	Kitchener ON
	Joyceville Institution	Medium	Kingston ON
	Millhaven Institution	Maximum	Bath ON
	Warkworth Institution	Medium	Campbellford ON
Prairies	Bowden Institution	Medium	Innisfail AB
	Drumheller Institution	Medium	Drumheller AB
	Edmonton Institution	Maximum	Edmonton AB
	Edmonton Institution for Women	Multi-Level	Edmonton AB
	Grande Cache Institution	Medium	Grande Cache AB
	Okimaw Ohci Healing Lodge	Medium	Maple Creek SK
	Regional Psychiatric Centre	Multi-Level	Saskatoon SK
	Saskatchewan Penitentiary	Multi-Level	Prince Albert SK
Stony Mountain Institution	Medium	Winnipeg MB	
Pacific	Fraser Valley Institution	Multi-Level	Abbotsford BC
	Kent Institution	Maximum	Agassiz BC
	Matsqui Institution	Medium	Abbotsford BC
	Mission Institution	Medium	Mission BC
	Mountain Institution	Medium	Agassiz BC
	Pacific Institution / Regional Treatment Centre	Multi-Level	Abbotsford BC