

Unmanned Aircraft System – ACAN

Reference Number	262739
Solicitation Number	201303643
Organization Name	Royal Canadian Mounted Police Gendarmerie Royale de Canada Corporate Procurement & Contracting Services
Source ID	FD.DP.ON.6775.C80948
Associated Components	No

Dates

Published	2013-02-21
Revised	
Closing	2013-03-07 02:00 PM Eastern Standard Time EST

Details

Category	Aerospace
GSINS	N1550: UNMANNED AIRCRAFT
Region of Delivery	Canada
Region of Opportunity	North America
Agreement Type	Agreement on Internal Trade (AIT)
Tender Type	Advance Contract Award Notice (ACAN)
Estimated Value	\$264,000
Solicitation Method	Open

Notice Description

Unmanned Aircraft System

The Royal Canadian Mounted Police (RCMP) has a requirement for the provision of an Unmanned Helicopter System with specialized image/motion capture capability for Public Safety and Emergency Response operations.

The purpose of this Advance Contract Award Notice (ACAN) is to signal the government's intention to award a contract for this system to AeroVironment Incorporated, located at 181 W. Huntington Drive, Suite 202 Monrovia, California 91016, United States of America. Before awarding a contract, however, the government would like to provide other suppliers with the opportunity to demonstrate that they are capable of satisfying the requirements set out in this Notice, by submitting a statement of capabilities during the 15 calendar day posting period.

If other potential suppliers submit a statement of capabilities during the 15 calendar day posting period that meet the requirements set out in the ACAN, the government will proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

If no other supplier submits, on or before the closing date, a statement of capabilities meeting the requirements set out in the ACAN, a contract will be awarded to the pre-selected supplier.

1. Background

The RCMP has a requirement for the supply of quantity one (1) Qube Unmanned Aircraft System with the option to

purchase two (2) additional systems under the same terms and conditions for its pilot project. This system is crucial to RCMP operations for the following reasons:

- The entire system will fit in the trunk of a standard RCMP police cruiser, offering “grab-and-go” efficiency during critical incident response;
- Despite its small size, the system is capable of carrying simultaneously, one digital camera and one Forward Looking Infra-red (FLIR) camera on the same mount, thereby eliminating the need to recover the UAV and change cameras as circumstance may require during Emergency Response operations;
- Battery life allows for a minimum forty (40) minutes of flying time while carrying the above-noted dual-camera payload, and will serve to enhance and expand the efficiency and effectiveness of RCMP Emergency Response operations;
- Motion tracking capability using Sentient Systems Kestrel GMTI detection technology at the sub-pixel level is critical to the safety of both the public and police personnel during emergency response operations;
- Embedded meta-data data allows for geo-rectification of snapshots in payload and transmission to ground, in turn allowing for any receiver to obtain this information without special software, thereby enhancing the RCMP’s ability to locate and respond to Emergency situations;
- The system uses a single-frequency, bi-directional data link with a one (1) kilometre line-of-sight range, and will serve to increase the efficiency and effectiveness of RCMP Emergency response operations;
- The system’s data link can encrypt transmitted information through SO-QPSK modulation which is less susceptible to interference, has lower latency than comparable data linkage systems, and which can be received by an unlimited number of additional receivers without affecting the system’s bandwidth, enhancing ERT communication and response times;
- For the above-noted reasons, the data link system is best suited to integration with existing technology in use by RCMP command centres, Emergency Response Team members, and live video feed to other locations;

The system must be delivered on or prior to March 31, 2013. Any resulting contract will incorporate the option to purchase two additional systems under the same terms and conditions. Any optional purchase must be delivered by (TBA).

The estimated value of the contract, including option(s), is \$257,550 USD (GST/HST extra, as applicable).

2. Minimum Essential Requirements

Any interested supplier must demonstrate by way of a statement of capabilities that its system meets the following requirements:

- The system must be capable of fitting into the trunk of a standard RCMP police cruiser;
- The system must be capable of holding both a digital and FLIR camera simultaneously on the same mount;
- The system’s battery life must allow for a minimum forty (40) minutes of flying time with a dual-camera payload (one digital, and one FLIR);
- The system’s data link must provide a minimum of one (1) kilometre line-of-sight range;
- The system’s data link must be capable of encrypting information transmitted through SO-QPSK modulation;
- The system must be capable of motion tracking (not to be confused with the “Follow-Me” platform) using detection technology at the sub-pixel level;
- The system must be capable of payload geo-rectification transmittable to ground without the need for additional receiver node software.

3. Justification for the Pre-Selected Supplier

The Qube Unmanned Aircraft System is supplied by the owner, developer, and sole distributor of the equipment. There are no other authorized resellers or distributors of this equipment. See section 5 below for applicable policy and trade agreements provisions.

Ownership of any Foreground Intellectual Property arising out of the proposed contract will vest in the Contractor.

Suppliers who consider themselves fully qualified and available to meet the specified requirements may submit a statement of capabilities in writing to the Contracting Authority identified in this Notice on or before the closing date of this Notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

The closing date and time for accepting statements of capabilities is March 7, 2013 at 2:00 p.m. EST.

4. Inquiries and statements of capabilities are to be directed electronically, in writing only, to:

Markos Vennos
Senior Procurement Officer
Royal Canadian Mounted Police
Procurement and Contracting Branch
E-mail address: markos.vennos@rcmp-grc.gc.ca

5. Policy Information

The following policy requirements are applicable to the ACAN process:

- Government Contracts Regulations (GCRs) – Section 6(d) - only one person [firm] is capable of performing; and
- Subject to AIT - 506.12(b) - where there is an absence of competition for technical reasons and the goods or services can be supplied only by a particular supplier and no alternative or substitute exists.

Contact(s)

Contracting Authority

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