

National Defence Headquarters Ottawa, Ontario K1A 0K

Défense nationale

Quartier général de la Défense nationale Ottawa (Ontario) K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

Bid Receiving – PWGSC / Réception des soumissions - TPSGC 11 Laurier St. / 11 rue Laurier Place du Portage, Phase III Core 0B2 / Noyau 0B2 Gatineau Québec K1A 0S5

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in

right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached

hereto, the goods and services listed herein and on any

attached sheets at the price(s) set out therefore

Proposition à : Défense nationale Canada

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

Title/Titre	Solicitation No – N° de l'invitation
RF Survey Antenna Kit/	
Équipement d'antenne pour les	W8486-184254/A
enquêtes des fréquences radio	
Date of Solicitation - Date de l'invitat	tion
11 September 2017	
Address Enquiries to - Adresser tout	es questions à
·	•
Julianne Eng	
Julianne.Eng@forces,gc,ca	
Telephone No. – N° de téléphone	FAX No – N° de fax
819-939-9078	819-994-7659
Destination	
See Herein	
Ci-Joint Ci-Joint	

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être

Delivery offered - Livraison proposée

Date

Solicitation Closes –		
L'invitation prend fin	Vendor Name and Address - Raison so	ciale et adresse du fournisseur
At – à : 14 :00 EDT		
On - le : 23 October 2017		
011 10 : 20 030001 2011	Name and title of person authorized to s print) - Nom et titre de la personne auto (caractère d'imprimerie)	
	Name/Nom	Title/Titre

Signature _

Delivery required - Livraison exigée

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Solicitation No N° de l'invitation			
W8486-184254/A			

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur DLP 7-1-2-1

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the requirement.

1.2 Statement of Work

The requirement is detailed in Annex "A".

1.3 Debriefings

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

1.4 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) 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 (2017-04-27) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20, Further Information is deleted in its entirety.

Subsection 5.4 of <u>2003</u>, Standard Instructions - Goods or Services – Competitive Requirements, is amended as follows:

Delete: 60 days Insert: 90 days

2.1.1 SACC Manual Clauses

Equivalent Products:

- 1) Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a) designates the brand name, model and/or part number of the substitute product;

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- 2) Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a) the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b) the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
- 3) In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to provide technical information demonstrating the equivalency (e.g. Drawing, specification, engineering reports and/or test reports), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within fifteen (15) calendar days of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

Equivalent Products and Replacement Part Number from OEM – Samples

- 1) If the Bidder offers an equivalent product or a replacement part number from the OEM, Canada reserves the right to request a sample from the Bidder in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.
- 2) The Bidder must, upon request from the Contracting Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within fifteen (15) calendar days form the date of request. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirement of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

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

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

2.4 Applicable Laws

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

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

specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (two (2) hard copies)

Section II: Financial Bid (one (1) hard copies)

Section III: Certifications (one (1) hard copies)

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). 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

 a) Bidders must submit their financial bid in accordance with the Pricing Schedule at Attachment 1 to Part 3 as follows:

Bidders must submit firm prices, Delivered Duty Paid (DDP) at 45 Sacré-Coeur Blvd, Gatineau, Québec, Canada Incoterms 2010, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately.

- b) Bids must be submitted in Canadian dollars.
- Blank Prices: Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in Annex E. If the Bidder leaves any price blank, Canada will treat the prices as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add

or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

If a warranty option year is not exercised, then subsequent warranty option years will not be exercised. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes.

Pricing - Multi-Item Bid Solicitation

Bidders must quote a price for all items identified in the bid solicitation.

3.1.1 Electronic Payment of Invoices - Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "D" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "D" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

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

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The following Mandatory requirements must be submitted with the bid evaluation

• Technical compliance (description of items in Annex "B")

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) at 45 Sacré-Coeur, Gatineau, QC, Canada, Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price as per Annex E-Pricing Schedule will be recommended for award of a contract.

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Precedent to Contract Award and Additional Information

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

5.1.1 Integrity Provisions – Required Documentation

In accordance with the <u>Ineligibility and Suspension Policy</u> (http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.1.2 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 available at the bottom of the page of the Employment and Social
Development Canada (ESDC) - Labour's website

(http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

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

5.1.3 Contractor Qualifications

The Contractor must be an approved supplier of Original Equipment Manufacturer (OEM). If the Contractor is not the OEM, then the Contractor must provide a letter from the OEM confirming that the Contractor is an approved supplier.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Statement of Work

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

<u>2010A</u> (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 30 March 2018.

6.4.4 Delivery

Goods must be consigned and delivered to the destination specified in the contract:

1. Incoterms 2010 "DDP Delivered Duty Paid" 45 Sacré-Coeur, Gatineau, Québec, Canada.

6.5 Authorities

6.5.1 Contracting Authority

The	Contracting	Authority	/ for the	Contract i	S

Name:	
Title:	

Directorate: Address:
Telephone:
E-mail address:
The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.
6.5.2 Technical Authority
The Technical Authority for the Contract is:
Name: Fitle:
Organization: Address:
Felephone : Facsimile: E-mail address:
The Technical 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 Technical Authority however the Technical 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.
5.5.3 Contractor's Representative
5.6 Payment
6.6.1 Basis of Payment
In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in contract for a cost of \$ Customs duties are included and Applicable Taxes are extra.
Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into he Work.
5.6.2 Single Payment
SACC Manual clause H1000C (2008-05-12) Single Payment

6.6.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

a. Visa Acquisition Card;

- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

- 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.
- 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 Contract for certification and payment.
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, 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.

6.9 Applicable Law

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

6.10 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 general conditions 2010A (2016-04-04) General Conditions- Goods (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) the Contractor's bid dated _____.

6.11 Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

6.12 Insurance

SACC Manual clause G1005C (2016-01-28) Insurance- No Specific Requirement 6.13 SACC Manual Clauses SACC Manual Clause D9002C (2007-11-30) Incomplete Assemblies SACC Manual Clause B1501C (2006-06-16) Electrical Equipment SACC Manual Clause D2000C (2007-11-30) Markings SACC Manual Clause D2001C (2007-11-30), Labelling SACC Manual Clause D2025C (2017-08-17) Wood Packaging Materials SACC Manual clause D5545C (2010-08-16), ISO 9001:2008: Quality Management Systems-Requirements (Quality Assurance Code C) 6.13.1 Packaging Requirement using Specification D-LM-008-036/SF-000 The Contractor must prepare item number(s) ___ __ for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack. The Contractor must package item number(s) _____ in quantities of _____ by package. 6.14 **Complete Delivery** The Contractor must make the complete delivery within __ months from the effective date of the Contract.

ANNEX "A"

STATEMENT OF WORK

1. SCOPE

1.1. Objective

1.1.1. The purpose of this Statement of Work (SOW) is to define the technical requirements for an antenna kit to be used for conducting radio frequency (RF) surveys.

1.2. Background

- 1.2.1 The Quality Engineering Test Establishment (QETE) is a field unit within the Canadian Armed Forces (CAF) with the mandate to provide the Department of National Defence (DND) and the CAF with specialized, technology-based test and investigative services required to support engineering decisions throughout all phases of materiel acquisition and support. QETE provides technical advice and consultation, material evaluation, investigation and analysis, calibration and measurement, in the domains of mechanical and materials engineering, applied science, electrical engineering, measurement science and imagery.
- 1.2.2 QETE is required to conduct RF surveys in support of CAF/DND operations. The range of frequencies that need to be surveyed is currently from 10 kHz to 40 GHz. QETE requires upgrades to existing antennas and new antennas that are capable of covering this frequency range. The Equipment will be integrated into QETE's existing RF survey kit, which is shown in Figures 1-1 to 1-4, and include¹:
 - (a) Collapsible 3-foot composite dish antenna (A.R.A. Model/Part No. CPRA-118/C31);
 - (b) 1-18 GHz Log periodic feed (A.R.A. Model/Part No. LPD-118);
 - (c) Aluminum tripod with vernier geared pan/tilt head (A.R.A. Model/Part No. TP-6V-CPRA-3);
 - (d) Antenna, Conical Monopole (A.R.A. Model/Part No. CMA-118/A, updated to No. CMP-118) with radome and tripod mounting adaptor; and
 - (e) Transport cases for dish antenna and tripod.
- 1.2.3 QETE is planning for the Equipment, excluding accessories, to have a minimum design life of ten years. The term "design life" is used to express an expectation of the operational life of the equipment to function within the requirements defined within this SOW and the manufacturer's published specifications, as well as to define the period against which the overall capital and life cycle costs (e.g. maintenance and calibration) will be planned.

All antenna parts shown are manufactured by Antenna Research Associates (A.R.A.). Transport cases manufactured by Pelican Products Inc.



Figure 1-1

Existing CPRA-118/C31 Composite Dish Antenna
on TP-6V-CPRA-3 Tripod with LPD-118 1-18 GHz Log Periodic Feed



rigure 1-2 ntenna on tripod with log period

Existing 3-foot composite dish antenna on tripod with log periodic horn feed (back view showing aluminum tripod with vernier geared pan/tilt head)



Figure 1-3
CMA-118/A Conical Monopole Antenna (inside radome at top of photo) installed on Tripod Mounting Adapter (at bottom of photo)



Figure 1-4
Transport Cases for Tripod (top) and Dish Antenna (bottom)

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1.3. Terminology

A.R.A.	Antenna Research Associates
CAF	Canadian Armed Forces
DND	Department of National Defence
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
NPB	National Printing Bureau
NSN	NATO Stock Number
QETE	Quality Engineering Test Establishment
RF	Radio Frequency
SOW	Statement of Work

Table 1-1 Acronyms and Abbreviations

2. REFERENCE DOCUMENTS

- 2.1. The following standards, references and documents apply to this SOW:
 - 2.1.1. ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories.²

3. REQUIREMENTS

3.1. Scope of Work

- 3.1.1. The Contractor will deliver antenna kit components that will be used to perform radio frequency environment surveys in support of communication system installations, upgrades, and troubleshooting projects, particularly those that involve high frequency satellite communication systems.
- 3.1.2. The Contractor must deliver the following Equipment:
 - 3.1.2.1. Antenna, Collapsible Dish, NSN 5985-20-A0F-1794, A.R.A. Model/Part No. CPRA-118/C31 (or equivalent):
 - (a) Size: 36 inch parabolic reflector;
 - (b) Material: composite fibreglass;
 - (c) Segment connections: latches to allow quick assembly without any tools;
 - (d) Power: 250 W CW (minimum);
 - (e) Voltage Standing Wave Ratio (VSWR): 2.0;
 - (f) Front to Back Ratio: 20 dB;
 - (g) Connector: SMA-f or 2.9 mm; and
 - (h) Transport case: Pelican or equivalent heavy duty rigid carrying case.
 - 3.1.2.2. 1-18 GHz Log Periodic Feed, A.R.A. Model/Part No. WRD-118 (or equivalent):
 - (a) Wide band log periodic feed covering 1-18 GHz frequency range; and
 - (b) Easily mountable on a feed plate for vertical or horizontal polarization (i.e. in under two minutes using standard tools).

http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39883

- 3.1.2.3. 18-40 GHz Horn Feeds³:
 - (a) 18-40 GHz frequency range; and
 - (b) Easily mountable on a feed plate for vertical or horizontal polarization (i.e. in under two minutes using standard tools).
- 3.1.2.4. Antenna, Conical Monopole, NSN: 5985-01-630-8991, A.R.A. Model/Part No. CMA-118/A or CMP-118 (or equivalent):
 - (a) Frequency Range: 1-18 GHz;
 - (b) Directivity: omnidirectional;
 - (c) VSWR: 2.0;
 - (d) Power: 50 W CW (minimum);
 - (e) Connector: SMA-f;
 - (f) Size: 8 inches X 2.8 inches;
 - (g) Radome: antenna installed inside radome; and
 - (h) Tripod mounting adaptor.
- 3.1.2.5. Tripod, A.R.A. Model/Part No. TP-6V-CPRA-3 (or equivalent):
 - (a) Portable with adjustable legs to achieve a height of at least 6 feet;
 - (b) Slide mount interface to allow for quick installation of a pan / tilt gear head:
 - (c) Vernier-controlled pan / tilt gear head to allow for 0.25 degree angle accuracy once mounted on the tripod;
 - (d) Capable of supporting a 36 inch diameter dish of approximately 35 pounds (Model CPRA-118/C31); and
 - (e) Transport case for tripod: NSN 1005-01-576-4389, Pelican Products Inc. Model/Part No. 1789 (or equivalent heavy duty rigid carrying case).
- 3.1.3. The Contractor must supply the items corresponding to the NATO Stock Numbers indicated above, or equipment that is equivalent in form, fit and function.
- 3.1.4. The RF survey components to be acquired under this Statement of Work must be fully compatible with QETE's existing RF Survey Kit items to allow interchangeability among components to achieve maximum flexibility in the event of failure of any component and to allow deployment of multiple kits in different configurations to different locations to conduct surveys concurrently. Fully compatible means that the RF survey kit can be assembled in the same time, using the same tools and will achieve the same functionality and the same performance using any combination of corresponding new or existing components. Therefore, the Equipment must meet the following compatibility requirements:
 - (a) The new dish antenna must be fully compatible with QETE's existing 1-18 GHz log period feed and as well as the new 1-18 GHz log period feed and the new 18-40 GHz horn feeds;
 - (b) The new 1-18 GHz log period feed must be fully compatible with QETE's existing dish antenna;

Quantity of two required – one for use with existing dish antenna and one for use with new dish antenna, but both capable of being used with either dish antenna.

- (c) The new 18-40 GHz horn feeds must be fully compatible with QETE's existing dish antenna;
- (d) The new dish antenna must be fully compatible with QETE's existing tripod and the new tripod;
- (e) The new tripod must be fully compatible with QETE's existing dish antenna; and
- (f) The new tripod mounting adapter for the conical monopole antenna must be fully compatible with QETE's existing conical monopole antenna.
- 3.1.5. The Contractor must supply all connectors, support plates, spars, special tools and associated accessories needed to assemble any selected kit components into an integrated and fully functional antenna survey kit.

3.2. Tasks

3.2.1. Service Support

- 3.2.1.1. Service Desk The Contractor or the original equipment manufacturer must provide a support service desk function to help Canada in answering questions with respect to the Equipment that includes, at a minimum:
 - (a) telephone technical support between the hours of 08:00 and 17:00 (Eastern Time), Monday to Friday, excluding public holidays;
 - (b) e-mail technical support Monday to Friday, excluding public holidays; and
 - (c) on-line help resources, including contact information, product information and documentation downloads (i.e. product brochures and technical manuals).
- 3.2.1.2. Product Notifications The Contractor or the original equipment manufacturer must advise Canada in writing in the event of:
 - any safety-related product recalls or advisories, component defects, and other similar events;
 - (b) any security vulnerabilities that are subsequently discovered; and
 - (c) any hidden or previously unknown defects that are subsequently discovered that may adversely affect product performance and/or functionality.
- 3.2.1.3. Calibration The Contractor must supply the Equipment with its first calibration included as part of the original delivery package. Subsequent calibrations will be performed by Canada.

3.2.2. Equipment Certifications

- 3.2.2.1. Certificate of Calibration The Contractor must provide a Certificate of Calibration for a Traceable Calibration for each of the following Equipment components:
 - (a) 1-18 Horn Feed
 - (b) 18-40 Horn Feeds
 - (c) Conical Monopole Antenna
- 3.2.2.2. The Traceable Calibration must include.
 - a) a verification that the performance of the delivered equipment meets factory specifications;
 - b) traceability to a National Metrology Institute; and

- a compliant Certificate of Calibration containing the information listed in ISO/IEC 17025:2005.
- 3.2.2.3. Certificate of Conformance The Contractor must provide a Certificate of Conformance to attest that the delivered equipment has been manufactured according to the Contractor's published specifications and has been verified to function as designed. The Certificate must identify the location and date of completion of manufacturing and must be signed by an authorized representative of the manufacturer.
- 3.2.2.4. Statement of Compliance The Contractor must provide a Statement of Compliance to attest that the delivered equipment meets the requirements of the Contract. The Statement of Compliance may be provided within the Certificate of Conformance or as a separate document.
- 3.2.2.5. Statement of Continued Production and Support The Contractor must provide a Statement of Continued Production to attest that the equipment is neither manufacturer-discontinued nor is there an intent to discontinue the manufacturing of the equipment within two (2) years. The Statement must also attest that the Contractor will continue to provide technical support and spare parts supply for a minimum of seven years following delivery of the equipment.
- 3.2.3. Equipment Documentation The Contractor must provide the following documentation in support of the delivered Equipment
 - 3.2.3.1. User Operations Manual provides detailed information about the functionality and operation of the Equipment and the care and maintenance of the Equipment that is normally performed by the user.
 - 3.2.3.2. Maintenance Manual provides detailed information and instructions for preventive and corrective maintenance.

3.3. Constraints

3.3.1. No constraints specified.

3.4. Support Provided by Canada

3.4.1. No support from Canada specified.

3.5. Time Frame and Delivery Dates

- 3.5.1. Equipment delivery four (4) months after contract award;
- 3.5.2. Publications and Manuals at the time of Equipment delivery; and
- 3.5.3. Certifications at the time of Equipment delivery.

3.6. Contractor Qualifications

3.6.1. The Contractor must be an approved supplier of Original Equipment Manufacturer.

4. DELIVERABLES

4.1 The Contractor must provide the following deliverables:

No.	Deliverable Item	Qty	Notes
1	Antenna, Collapsible Dish, including:	1	NSN 5985-20-A0F-1794
	(a) 3 foot composite dish antenna		(or equivalent)
	(b) 1-18 GHz log periodic feed		
	(c) Transport case		

No.	Deliverable Item	Qty	Notes
2	1-18 GHz Log Periodic Feed	1	A.R.A. Model/Part No. WRD-118 (or
			equivalent
3	Horn Feed, 18-40 GHz	2	
4	Antenna, 1-18 GHz Conical Monopole,	1	NSN 5985-01-630-8991
	including:		(or equivalent)
	(a) Conical Monopole Antenna		
	(b) Radome		
	(c) Tripod mounting adaptor		
5	Tripod, including:	1	
	(a) Tripod		
	(b) Vernier-controlled gear head		Transport Case NSN: 1005-01-576-4389
	(c) Transport case		(or equivalent)
6	Certificates of Calibration for:		
	(a) 1-18 Log Periodic Feed	1	
	(b) 18-40 Horn Feeds	2	
	(c) Conical monopole antenna	1	
7	Certificate of Conformance	1	For each component or for the Kit
8	Statement of Compliance	1	For each component or for the Kit
9	Statement of Continued Production and	1	For each component or for the Kit
	Support		
10	Operations Manual	1	For each component
11	Maintenance Manual	1	For each component

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Table 4-1 List of Deliverables

4.2 Format for Documentation

- 4.2.1 Equipment documentation, reports, certificates and compliance statements must be provided in English and also in French if available at no additional cost.
- 4.2.2 Equipment documentation and reports may be provided in Contractor format.
- 4.2.3 Unless otherwise specified, certificates and compliance statements may be provided in Contractor format.
- 4.2.4 Document files provided in electronic format must provide users with the capability to search documents (e.g. keyword search).
- 4.2.5 Unless otherwise specified, document files should be provided in PDF format.

ANNEX "B"

Mandatory Technical Criteria

MANADATORY TECHNICAL CRITERIA

RF Survey Antenna Kit

The bid must meet the mandatory technical criteria specified below. Bidders must provide the necessary documentation to support compliance with the requirements, including technical data sheets, specifications, brochures and other relevant technical documentation describing the equipment offered and demonstrating compliancy. Where the Bidder's technical documentation does not clearly demonstrate that the equipment offered will meet a specific requirement, the Bidder's proposal must provide additional descriptions of how the requirement will be met by the proposed solution.

Each mandatory technical criterion should be addressed separately and in the order presented below.

No.	Mandatory Technical Criteria	Supporting	Com	oliant	Proposal
		Evidence Required	Yes	No	Reference
3.1.2	The Contractor must deliver the following Equipment:				
3.1.2.1.	Antenna, Collapsible Dish, NSN 5985-20- A0F-1794, A.R.A. Model/Part No. CPRA- 118/C31 (or equivalent):				
(a)	Size: 36 inch parabolic reflector;	Description or reference to			
(b)	Material: composite fibreglass;	data sheet			
(c)	Segment connections: latches to allow quick assembly without any tools;				
(d)	Power: 250 W CW (minimum);				
(e)	Voltage Standing Wave Ratio (VSWR): 2.0;				
(f)	Front to Back Ratio: 20 dB;				
(g)	Connector: SMA-f or 2.9 mm; and				
(h)	Transport case: Pelican or equivalent heavy duty rigid carrying case.				
3.1.2.2.	1-18 GHz Log Periodic Feed, A.R.A. Model/Part No. WRD-118 (or equivalent):				
(a)	Wide band log periodic feed covering 1-18 GHz frequency range; and	Description or reference to			
(b)	Easily mountable on a feed plate for vertical or horizontal polarization (i.e. in under two minutes using standard tools).	data sheet			
3.1.2.3.	18-40 GHz Horn Feeds:				
(a)	18-40 GHz frequency range; and	Description or reference to			
(b)	Easily mountable on a feed plate for vertical or horizontal polarization (i.e. in under two minutes using standard tools).	data sheet			
3.1.2.4.	Antenna, Conical Monopole, NSN: 5985-				

No.	Mandatory Technical Criteria	Supporting	Compliant		Proposal Reference	
		Evidence Required	Yes	No	Reference	
	01-630-8991, A.R.A. Model/Part No. CMA- 118/A or CMP-118 (or equivalent):					
(a)	Frequency Range: 1-18 GHz;	Description or				
(b)	Directivity: omnidirectional;	reference to data sheet				
(c)	VSWR: 2.0;					
(d)	Power: 50 W CW (minimum);					
(e)	Connector: SMA-f;					
(f)	Size: 8 inches X 2.8 inches;					
(g)	Radome: antenna installed inside radome; and					
(h)	Tripod mounting adaptor.					
3.1.2.5.	Tripod, A.R.A. Model/Part No. TP-6V-CPRA-3 (or equivalent):					
(a)	Portable with adjustable legs to achieve a height of at least 6 feet;	Description or reference to				
(b)	Slide mount interface to allow for quick installation of a pan / tilt gear head;	data sheet				
(c)	Vernier-controlled pan / tilt gear head to allow for 0.25 degree angle accuracy once mounted on the tripod;					
(d)	Capable of supporting a 36 inch diameter dish of approximately 35 pounds (Model CPRA-118/C31); and					
(e)	Transport case for tripod: NSN 1005-01-576-4389, Pelican Products Inc. Model/Part No. 1789 (or equivalent heavy duty rigid carrying case).					
3.1.3.	The Contractor must supply the items corresponding to the NATO Stock Numbers indicated above, or equipment that is equivalent in form, fit and function.	Identify manufacturer and model number for all equipment offered. Demonstrate equivalency for items that do not match the designated NSN or model number.				
3.1.4.	The RF survey components to be acquired under this Statement of Work must be fully compatible with QETE's existing RF Survey Kit items to allow interchangeability among components to achieve maximum flexibility in the event of failure of any component and to allow deployment of multiple kits in					

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No.	Mandatory Technical Criteria	Supporting Evidence	Com	pliant	Proposal Reference
		Required	Yes	No	Reference
	different configurations to different locations to conduct surveys concurrently. Fully compatible means that the RF survey kit can be assembled in the same time, using the same tools and will achieve the same functionality and the same performance using any combination of corresponding new or existing components. Therefore, the Equipment must meet the following compatibility requirements:				
(a)	The new dish antenna must be fully compatible with QETE's existing 1-18 GHz log period feed and as well as the new 1-18 GHz log period feed and the new 18-40 GHz horn feeds;	Description or reference to data sheet			
(b)	The new 1-18 GHz log period feed must be fully compatible with QETE's existing dish antenna;				
(c)	The new 18-40 GHz horn feeds must be fully compatible with QETE's existing dish antenna;				
(d)	The new dish antenna must be fully compatible with QETE's existing tripod and the new tripod;				
(e)	The new tripod must be fully compatible with QETE's existing dish antenna; and				
(f)	The new tripod mounting adapter for the conical monopole antenna must be fully compatible with QETE's existing conical monopole antenna.				
3.1.5.	The Contractor must supply all connectors, support plates, spars, special tools and associated accessories needed to assemble any selected kit components into an integrated and fully functional antenna survey kit.	Identify all necessary connectors, support plates, spars, special tools and associated accessories. Provide description or reference to data sheet.			

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ANNEX "C"

SECURITY REQUIREMENTS CHECK LIST

There is no security requirement applicable to this Contract.

ANNEX "D"

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder	accepts any of the following Electronic Payment Instrument(s):
	() VISA Acquisition Card;
	() MasterCard Acquisition Card;
	() Direct Deposit (Domestic and International);
	() Electronic Data Interchange (EDI);
	() Wire Transfer (International Only);
	() Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "E" PRICING SCHEDULE

The information in this annex will form part of the resulting contract. It is anticipated that in the resulting contract, this Annex will become Annex B and will consist of two tables separating the deliverables with prices under the resulting contract.

Bidders are to review paragraph 3.1 Bid Preparation Instructions Section II Financial bid for instructions on the completion of the Pricing Schedule. Bidders must complete this Pricing Schedule and include it in the financial bid

Deliverables Item / Goods and Services Qty Applicable Taxes Extra Applicable Taxes Extra 1) Antenna Collapsible Dish, NSN 5985-20-A0F-1794, A.R.A. Model/Part No. VPRA-118/C31 (or equivalent) (SOW Para 3.1.2.1) 1 \$ \$ \$ \$ \$ \$ \$ \$ \$			Firm Unit Price	Total Price
1794, A.R.A. Model/Part No. VPRA-118/C31 (or equivalent) (SOW Para 3.1.2.1)	Deliverables Item / Goods and Services	Qty	Applicable Taxes Extra	Applicable Taxes Extra
1794, A.R. A. Model/Part No. VPRA-118/C31 (or equivalent) (SOW Para 3.1.2.1)	1) Antenna Collapsible Dish, NSN 5985-20-A0F-			Ś
C. Transport case: Pelican or equivalent heavy duty rigid carrying case 1 2) 1-18 GHz Log Periodic Feed, A.R.A.	1794, A.R.A. Model/Part No. VPRA-118/C31 (or			'
equivalent heavy duty rigid carrying case 1 2) 1-18 GHz Log Periodic Feed, A.R.A. Model/Part No. WRD-118 (or equivalent) (SOW Para 3.1.2.2) 1 3) 18-40 GHz Horn Feeds (SOW Para 3.1.2.3) 2 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	equivalent) (SOW Para 3.1.2.1)	1	\$	
Carrying case			\$	\$
2) 1-18 GHz Log Periodic Feed, A.R.A. Model/Part No. WRD-118 (or equivalent) (SOW Para 3.1.2.2) 1	equivalent heavy duty rigid			
Model/Part No. WRD-118 (or equivalent) (SOW Para 3.1.2.2)		1		
Para 3.1.2.2 3 18-40 GHz Horn Feeds (SOW Para 3.1.2.3) 2 \$ \$ \$ \$ \$ \$ \$ \$ \$			\$	\$
3) 18-40 GHz Horn Feeds (SOW Para 3.1.2.3) 2 \$ \$ \$ \$ \$ \$ \$ \$ \$				
4) Antenna, Conical Monopole, NSN: 5985-01-630-8991, A.R.A. Model/Part No. CMA-118/A or CMP-118 (or equivalent) (SOW Para 3.1.2.4) a. Connector: SMA-f b. Radome: Antenna installed in Radome c. Tripod mounting adaptor f. Tripod, A.R.A. Model/Part No. TP-6V-CPRA-3 (or equivalent) (SOW Para 3.1.2.5) a. Transport case for tripod: NSN 1005-01-576-4389, Pelican Products Inc. Model/Part No. 1789 (or equivalent heavy duty rigid carrying case). 6) All connectors, support plates, spars, special tools and associated accessories needed to assemble any selected kit components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.1.5) 7) Service Desk (SOW Para 3.2.1.1) 8) Product Notifications (SOW Para 3.2.1.3) 10) Documentation a. Certificate of Calibration: 1-18 Horn Feed (SOW Para3.2.2.1, No A) b. Certificate of Calibration: 18-40				
C30-8991, A.R.A. Model/Part No. CMA-118/A or CMP-118 (or equivalent) (SOW Para 3.1.2.4)	3) 18-40 GHz Horn Feeds (SOW Para 3.1.2.3)	2		\$
CMP-118 (or equivalent) (SOW Para 3.1.2.4) 1	4) Antenna, Conical Monopole, NSN: 5985-01-		\$	\$
a. Connector: SMA-f b. Radome: Antenna installed in Radome c. Tripod mounting adaptor for Equivalent) (SOW Para 3.1.2.5) a. Transport case for tripod: NSN 1005-01-576-4389, Pelican Products Inc. Model/Part No. 1789 (or equivalent heavy duty rigid carrying case). for All connectors, support plates, spars, special tools and associated accessories needed to assemble any selected kit components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.2) for Service Components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.2) for Service Components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.1) for Service Components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.2) for Service Components into an integrated and fully functional antenna survey kit must be supplied (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.1) for Service Desk (SOW Para 3.2.1.2) for Service Desk (SOW Para 3.2.1.2) for Service Desk (SOW Para 3.2.1.3) for S				
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No A) b. Certificate of Calibration: 18-40 \$ \$			٦	٧
b. Certificate of Calibration: 18-40 \$ \$		1		
		†	\$	\$
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No B)			
c. Certificate of Calibration: Conical		\$	\$
Monopole Antenna (SOW	4		
Para3.2.2.1, No C)	1		A
d. A compliant Certificate of Calibration containing the information listed in ISO/IEC		\$	\$
17025:2005 (SOW Para 3.2.2.2,			
No C)	1		
e. Certificate of Conformance (SOW		\$	\$
Para 3.2.2.3)	5		
f. Statement of Compliance (SOW		\$	\$
Para 3.2.2.4)	5		
g. Statement of Continued		\$	\$
Production and Support (SOW Para 3.2.2.5)	5		
h. User Operations Manual, one for	,	\$	\$
each component (SOW Para		٦	٦
3.2.3.1)	5		
i. Maintenance Manual, one for		\$	\$
each component (SOW Para	_		
3.2.3.2)	5		
11) Warranty –Initial Period (see GC 2010A 09		\$	\$
sub para 1.)	1		
a. Warranty Option Period 1 (from end of		\$	\$
initial warranty period for a period of 12			
months)	1		
b. Warranty Option Period 2 (from end of		\$	\$
warranty option period 1 for a period of			
12 months)	1		
c. Warranty Option Period 3 (from end of		\$	\$
warranty option period 2 for a period of			
12 months)	1		
d. Warranty Option Period 4 (from end of		\$	\$
warranty option period 3 for a period of			
12 months)	1		
Total Estimated Cost			\$