

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 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services 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, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux 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 ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet EPLRS RADIO SPARE PARTS		
Solicitation No. - N° de l'invitation W8486-140728/A	Date 2013-12-23	
Client Reference No. - N° de référence du client W8486-140728		
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-438-64293		
File No. - N° de dossier hn438.W8486-140728	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-01-10		Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Enquiries to: - Adresser toutes questions à: Tremblay, Marthe		Buyer Id - Id de l'acheteur hn438
Telephone No. - N° de téléphone (819) 956-3027 ()	FAX No. - N° de FAX () -	
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE 25 CFSD MONTREAL 6363 RUE NOTRE DAME ST E. MONTREAL Quebec H1N 3V9 Canada		

Instructions: See Herein

Instructions: Voir aux présentes

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

Issuing Office - Bureau de distribution
Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	NSN - NNO: 5915-01-604-1320 FILTER, BAND PASS See Annex"A"	WB941	W1941	10	Each	\$	XXXXXXXXXXXX	See Herein	
2	NSN - NNO: 5915-01-604-1317 FILTER, BAND PASS See Annex"A"	WB941	W1941	10	Each	\$	XXXXXXXXXXXX	See Herein	
3	NSN - NNO: 5915-01-604-1313 FILTER, BAND PASS See Annex"A"	WB941	W1941	10	Each	\$	XXXXXXXXXXXX	See Herein	
4	NSN - NNO: 5985-01-604-1988 SWITCH, RADIO FREQUENCY TRANSMISSION LINE See Annex"A"	WB941	W1941	10	Each	\$	XXXXXXXXXXXX	See Herein	
5	NSN - NNO: 5985-25-151-5830 ANTENNA ELEMENT See Annex"A"	WB941	W1941	1000	Each	\$	XXXXXXXXXXXX	See Herein	

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The contractor must provide the goods in accordance with the technical requirements at Annex "A" and in the quantities stated herein.

2.1 Delivery Requirement

Delivery is requested to be completed between April 1, 2014 and April 10, 2014.

3. Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the 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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days
Insert: ninety (90) calendar days

1.1 SACC Manual Clauses

SACC Reference	Section	Date
A9033T	Financial Capability	2012-07-16
A9130T	Controlled Goods Program Item 001, 003 and 005	2011-05-16
B1000T	Condition of Material	2007-11-30

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.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than (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 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

1. Bid Preparation Instructions

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

- Section I: Technical Bid (1 hard copy)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)
- Section IV: Additional Information (1 hard copy)

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

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders are encouraged to:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and/or 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.

1.1 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;
 - (b) states that the substitute product is fully interchangeable with the item specified;
 - (c) provides complete specifications and descriptive literature for each substitute product with the bid;
 - (d) provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - (e) clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
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 demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.

1.2 Substitute Products - Samples (DND)

If the Bidder offers a substitute product, 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.

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 5 calendar days from 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 requirements of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

1.3 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

Section III: Certifications

1.4 Certifications

Bidders must submit the certifications required under Part 5.

Section IV: Additional Information

1.5 Additional Information

1.5.1 Delivery Offered

While delivery is requested as indicated above, the best delivery that could be offered is_____.

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

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Client Ref. No. - N° de réf. du client

W8486-140728

File No. - N° du dossier

hn438W8486-140728

CCC No./N° CCC - FMS No/ N° VME

1.5.2 Contractor Representatives

Name and telephone number of the person responsible for :

General enquiries

Name: _____

Telephone: _____

Facsimile: _____

E-mail: _____

Delivery follow-up

Name: _____

Telephone: _____

Facsimile: _____

E-mail: _____

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.

Evaluation Criteria

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

The following Mandatory requirements must be submitted with the bid for evaluation

- Technical compliance (description of items 001 to 005, Annex "A" herein);
- Bids must be submitted for all destinations

1.2 Financial Evaluation

1.2.1 Pricing Basis

The bidder must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid CFB Montreal, Quebec, applicable taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included .

2. Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price on an item by item basis will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

Mandatory

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from 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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor 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 goods in accordance with the technical requirements at Annex "A" and in the quantities stated herein.

2.1 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	2006-06-16
B7500C	Excess Goods	2006-06-16

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.

3.1 General Conditions

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

3.2 SACC Manual Clauses

SACC Reference	Section	Date
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-05-16

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ (Delivery as offered and as accepted will be inserted at contract award).

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Marthe Tremblay
Procurement Officer
Public Works and Government Services Canada
Acquisitions Branch
Logistics, Electrical, Fuel and Transportation Directorate
"HN" Division
7B3, Place du Portage, Phase III
11 Laurier Street
Gatineau, QC, K1A 0S5

Telephone: (819) 956-3027
Facsimile: (819) 953-4944
E-mail address: marthe.tremblay@pwgsc-tpsgc.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 Technical Authority

The Technical Authority for the Contract is:

Name: will be inserted at contract
Title: will be inserted at contract
Telephone: (xxx) xxx-xxxx
Facsimile: (xxx) xxx-xxxx
E-mail: will be inserted at contract

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.

5.3 Contractor's Representative

Name and telephone number of the person responsible for:

General Enquiries

Name: will be inserted at contract
Telephone: will be inserted at contract
Facsimile: will be inserted at contract
E-mail: will be inserted at contract

Delivery Follow-up

Name: will be inserted at contract
Telephone: will be inserted at contract
Facsimile: will be inserted at contract
E-mail: will be inserted at contract

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 prices, as specified in the contract. 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 the Work.

6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.3 Single Payment or Multiple Payments

SACC Manual clause H1001C (2008-05-12) Multiple Payments

6.4 SACC Manual Clauses

SACC Reference	Section	Date
G1005C	Insurance	2008-05-12

7. Invoicing Instructions

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.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to this address for certification and payment.

DEPARTMENT OF NATIONAL DEFENSE
25 DAFC / STORE
C.P. 4000 SUCC. K
MONTREAL QC H1N 3R9
CANADA

- (c) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

Department of Public Works and Government Services
"HN" Division
7B3 Place du Portage, Phase III
11 Laurier Street
Gatineau, QC
K1A 0S5
Attention: Marthe Tremblay

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.

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

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

9. Applicable Laws

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

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) 2010A (2013-04-25) General Conditions - Goods, (Medium Complexity);
- (c) Annex "A" Requirement;
- (d) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: " , as clarified on _____ " or " , as amended on _____ " and insert date(s) of clarification(s) or amendment(s)*)

11. Defence Contract

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

12. SACC Manual Clauses

SACC Reference	Section	Date
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)	2010-08-16

12.1 NATO Commercial and Government Entity Code (NCAGE) Traceability

Material supplied for the items specified in this contract is subject to investigation by Canada. Material which can neither be demonstrated by the contractor as having originated directly from the NCAGE specified for the item in this contract, nor as supplied with the specific written permission of this specified NCAGE, are subject to the following action by Canada.

Canada may either:

- (a) terminate the contract for default with respect to that item, return the item to the Contractor at the Contractor's risk and expense, and demand and receive from the Contractor (who shall forthwith so pay) all reprourement and other costs incurred by Canada, including any increased costs required for the purpose of expediting production; or
- (b) retain the item, and demand and receive from the Contractor (who shall forthwith so pay) the difference between the Contractor's costs relating to the item, as determined by Canada, and the costs which, in Canada's opinion, the Contractor would have incurred had it obtained and supplied an item which did not differ in any way from that specifically required under the contract.

13. SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
D2000C	Marking	2007-11-30
D2001C	Labelling	2007-11-30
D6010C	Palletization	2007-11-30
D2025C	Wood Packaging Materials	2013-11-06
D9002C	Incomplete Assemblies	2007-11-30

13.1 Shipping Instructions - Delivery at Destination

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

- (a) Delivered Duty Paid (DDP) CFB Montreal Incoterms 2000 for shipments from a commercial contractor.

13.2 Preparation for Delivery

The Contractor must prepare item number(s) 001 to 005 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) 001 to 005 in quantities of 1 by package.

13.3 Shipping - Scheduling

The Contractor must deliver the goods to Canadian Forces (CF) Supply Depots by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the Depot Traffic Section at the appropriate location shown below. The consignee may refuse shipments when prior arrangements have not been made.

- (a) 25 CF Supply Depot Montreal
Montreal, Qué.
Telephone: 1-866-935-8673 (toll free), or
514-252-2777, ext. 2363 / 4673 / 4282

ANNEX "A" REQUIREMENT

Enhanced Position Location Reporting System (EPLRS) RADIO SPARE PARTS

W8486-140728/A

**Line1,
GSIN:N5915,
NSN:5915-01-604-1320,**

FILTER, BAND PASS,

REFERENCE FREQUENCY PER FUNCTION:

- **SINGLE FUNCTION :500.0 MEGAHERTZ,**
- **SINGLE HIGH PASS :INSERTION LOSS AT REFERENCE FREQUENCY PER FUNCTION IN DECIBELS,**
- **SINGLE FUNCTION: 1.00 SINGLE HIGH PASS INCLOSURE,**
- **TYPE:ENCASED FUNCTIONAL TERMINAL TYPE AND QUANTITY,
ALL FUNCTIONS 2 SCREW INPUT-OUTPUT,**
- **STYLE DESIGNATOR:41 TUNEABLE,**
- **OVERALL LENGTH:9.80 INCHES ,**
- **NOMINAL OVERALL WIDTH:5.40 INCHES,**
- **NOMINAL BODY HEIGHT:2.80 INCHES,**
- **NOMINAL PART NAME ASSIGNED BY CONTROLLING AGENCY:TUNEABLE
FILTER,**

**Part Number:5TF-250/500-5N,
NSCM:29971, TRACK MICROWAVE CORPORATION**

Quantity:10,

Unit of Issue:Each,

Destination:CFB MONTREAL

Delivery Dates:: Between April 1, 2014 and April 10, 2014,

Or

Equivalent:_____;

Proposed

Manufacturer:_____;

Enhanced Position Location Reporting System (EPLRS)

RADIO SPARE PARTS

Line2,

GSIN:N5915,

NSN:5915-01-604-1317,

FILTER, BAND PASS,

REFERENCE FREQUENCY PER FUNCTION:

- **SINGLE FUNCTION: 400.0 MEGAHERTZ,**
- **SINGLE HIGH: PASS INSERTION LOSS AT REFERENCE FREQUENCY PER FUNCTION IN DECIBELS,**
- **SINGLE FUNCTION :1.30 SINGLE HIGH PASS INCLOSURE,**
- **TYPE:ENCASED FUNCTIONAL TERMINAL TYPE AND QUANTITY**
- **ALL FUNCTIONS 2 SCREW INPUT-OUTPUT,**
- **|STYLE DESIGNATOR:41 TUNEABLE ,**
- **OVERALL LENGTH:9.80 INCHES NOMINAL ,**
- **OVERALL WIDTH:5.40 INCHES NOMINAL**
- **BODY HEIGHT:2.80 INCHES,**
- **NOMINAL PART NAME ASSIGNED BY CONTROLLING AGENCY:TUNEABLE FILTER,**

Part Number:5TF-200/400-5N,

NSCM:29971, TRACK MICROWAVE CORPORATION,

Quantity:10,

Unit of Issue:Each,

Destination:CFB MONTREAL,

Delivery Dates:: Between April 1, 2014 and April 10, 2014,

Or

Equivalent:_____;

Proposed

Manufacturer:_____;

Enhanced Position Location Reporting System (EPLRS)

RADIO SPARE PARTS

**Line3,
GSIN:N5915,
NSN:5915-01-604-1313,**

FILTER, BAND PASS,

REFERENCE FREQUENCY PER FUNCTION:

- **SINGLE FUNCTION 76.0 MEGAHERTZ,**
- **SINGLE HIGH PASS INSERTION LOSS AT REFERENCE FREQUENCY PER FUNCTION IN DECIBELS,**
- **SINGLE FUNCTION :1.30 SINGLE HIGH PASS INCLOSURE,**
- **TYPE:ENCASED FUNCTIONAL TERMINAL TYPE AND QUANTITY:ALL FUNCTIONS 2 SCREW INPUT-OUTPUT,**
- **STYLE DESIGNATOR:41 TUNEABLE,**
- **OVERALL LENGTH:9.80 INCHES**
- **NOMINAL OVERALL WIDTH:5.40 INCHES,**
- **NOMINAL BODY HEIGHT:2.80 INCHES,**
- **NOMINAL PART NAME ASSIGNED BY CONTROLLING AGENCY:TUNEABLE FILTER,**

**Part Number:5TF-30/76-5N,
NSCM:29971, TRACK MICROWAVE CORPORATION,
Quantity:10,
Unit of Issue:Each,
Destination:CFB MONTREAL,
Delivery Dates:: Between April 1, 2014 and April 10, 2014,**

Or

Equivalent:_____;

Proposed

Manufacturer:_____;

Enhanced Position Location Reporting System (EPLRS)

RADIO SPARE PARTS

**Line4,
GSIN:N5985,
NSN:5985-01-604-1988,**

SWITCH,

- **RADIO FREQUENCY TRANSMISSION LINE,**
- **FREQUENCY RATING:**
- **SINGLE FREQUENCY: OPERATING 0.02 GIGAHERTZ MINIMUM AND 3.0 GIGAHERTZ MAXIMUM INSERTION LOSS IN DECIBELS,**
- **SINGLE 2.10 COUPLING POSITION QUANTITY: 3**
- **TERMINAL TYPE AND QUANTITY:3 PLUG, COAXIAL BODY STYLE:53B RECTANGULAR OVERALL LENGTH:1.024 INCHES NOMINAL OVERALL HEIGHT:0.709 INCHES NOMINAL,**
- **OVERALL WIDTH:0.422 INCHES NOMINAL MOUNTING FACILITY TYPE AND QUANTITY:4 UNTHREADED HOLE UNTHREADED MOUNTING HOLE DIAMETER:0.10 INCHES NOMINAL SPECIAL FEATURES:1-30 WATTS PART NAME ASSIGNED BY CONTROLLING AGENCY:COAXIAL SP2T,**

**Part Number:RFSP2TR0003GN,
NSCM:4BLE3, RF-LAMBDA USA
Quantity:10,
Unit of Issue:Each,
Destination:CFB MONTREAL,
Delivery Dates:: Between April 1, 2014 and April 10, 2014,**

Or

Equivalent:_____;

Proposed

Manufacturer:_____;

Enhanced Position Location Reporting System (EPLRS) **RADIO SPARE PARTS**

**Line5,
GSIN:N5985,
NSN:5985-25-151-5830,
ANTENNA ELEMENT,**

MINIMUM SPECIFICATIONS

**Vertical antenna no more than 4 feet high,
Flex assembly at base,
Omnidirectional,
Mounting flange with Standard NATO 4 hole bolt pattern,
BNC type male connector,
50 Ohm nominal impedance,
High voltage protection: 10kVrms to Mil-STD-202,
Capable of handling 100 Watts continuous,
Operating temperature - 50 degrees C to +70 degrees C,
Operating and remaining vertical at Wind velocity up to 160 km/h,
VSWR <2.5 between 225 and 450 MHz,
Gain>-1,5 dBi between 225 and 450 MHz,
Gain> +.5 dBi between 325 and 450 MHz,
Must be capable of operating without a ground plane.**

**PART: 040140-1
NSCM:N1000, COMROD COMMUNICATION ASA,**

**Part Number:UHF225450VM/HG,
NSCM:N1000, COMROD COMMUNICATION ASA,**

**Quantity:1000,
Unit of Issue:Each,
Destination:CFB MONTREAL,
Delivery Dates:: Between April 1, 2014 and April 10, 2014,**

**Or
Equivalent:_____;**

**Proposed
Manufacturer:_____;**