

**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**

<b>Title - Sujet</b> Vector Network Analyzer		
<b>Solicitation No. - N° de l'invitation</b> W6369-13DE72/A	<b>Date</b> 2013-05-06	
<b>Client Reference No. - N° de référence du client</b> W6369-13DE72		
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-379-62685		
<b>File No. - N° de dossier</b> hn379.W6369-13DE72	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2013-06-20</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> Godbout, Lyne		<b>Buyer Id - Id de l'acheteur</b> hn379
<b>Telephone No. - N° de téléphone</b> (819) 956-3611 ( )		<b>FAX No. - N° de FAX</b> ( - ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes		

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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

**Issuing Office - Bureau de distribution**  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
6B1, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	CFS LEITRIM 3545 LEITRIM ROAD OTTAWA, ON. K1A 0K4 ATTN: Andre Dumont	W6369	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. ATT:Sharon B LefebvreDES Proc 3-7-2 OTTAWA Ontario K1A0K2 Canada



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	Vector Network Analyzer See Annex "A" Statement of Work • Option: Possibility to purchased a quantity of one within one year of contract award. See clause 2.2 Optional Goods and/or Services	D - 1	W6369	1	Each	\$ \$	See Herein	

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Solicitation No. - N° de l'invitation

W6369-13DE72/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

hn379

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W6369-13DE72

hn379W6369-13DE72

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Annex "A" Statement of Work

## **PART 1 - GENERAL INFORMATION**

### **1. Security Requirement**

There is no security requirement associated with the requirement.

### **2. Statement of Work**

The contractor must provide the goods and/or services in accordance with the technical requirements stated herein at Annex "A" and in the quantities stated at page 3.

#### **2.1 Delivery Requirement**

Delivery is requested to be completed by July 31, 2013.

### **5. Debriefings**

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

## 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 (2012-11-19) 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
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 five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

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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.



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## **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)

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.

## 1.2 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.

## Section II: Financial Bid

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

## 1.3 Exchange Rate Fluctuation

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and 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\_\_\_\_\_.

##### **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: \_\_\_\_\_

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## **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**

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

Technical compliance (description of item 1 from Annex "A"herein);

#### **1.2 Financial Evaluation**

The Bid price will be determined by processing item 1 at page 3 as follows:

##### **1.2.1 Pricing Basis**

The bidder must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid (Ottawa, On), the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) 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 basis will be recommended for award of a contract.

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## **PART 5 - CERTIFICATIONS**

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

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

### **1. Mandatory Certifications Required Precedent to Contract Award**

#### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting a bid, the Bidder certifies as per section 01 of Standard Instructions 2003, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation therein required will help Canada in confirming that the certifications are true.

### **2. Additional Certifications Precedent to Contract Award**

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

#### **2.1 Federal Contractors Program - Certification**

##### **Federal Contractors Program - over \$25,000 and below \$200,000**

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their

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voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) ☐ is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) ☐ is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) ☐ is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;
- (d) ☐ has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: \_\_\_\_\_.

Further information on the FCP is available on the HRSDC Web site.

## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement associated with the requirement.

### 2. Statement of Work

The contractor must provide the goods and/or services in accordance with the technical requirements stated herein at Annex "A" and in the quantities stated at page 3.

#### 2.1 SACC Manual Clauses

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

#### 2.2 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A" of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, in whole or in part, through a contract amendment.

The Contracting Authority may exercise the option within one year after contract award by sending a written notice to the Contractor.

### 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.

### 3.3.2 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:

*Lyne Godbout*

**Supply 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) 956-3611

Facsimile: (819) 953-4944

E-mail address: @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 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 price, as specified in the contract. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

### 6.2 Limitation of Price

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

### 6.3 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

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## 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 the following address for certification and payment.

National Defence Headquarters  
MGen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON, K1A 0K2  
Attention: Sharon B Lefebvre DES Proc 3-7-2.

- (b) 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: Lyne Godbout

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications 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 or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in 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) 2010 A (2013-04-25) General Conditions - Goods, Professional Services, Services (Medium Complexity);
- (c) Annex "A", Statement of Work
- (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 (QAC 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
D6010C	Palletization DND Depot	2007-11-30
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:

Delivered Duty Paid (DDP) Ottawa, On Incoterms 2000 for shipments from a commercial contractor.

#### 13.2 Preparation for Delivery

The Contractor must prepare item number(s) 1 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.

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## ANNEX "A"

### STATEMENT OF WORK

#### For a Handheld Portable Vector Network Analyser

##### 1 Requirement

The Department of National Defence has a requirement for one (1) Portable Vector Network Analyzer with accessories and a Mechanical Calibration Kit.

##### 2 Technical Specifications for the Vector Network Analyzer

- 2.1 Built-in full 2-port S-parameter Vector Network Analyzer (VNA) test set, with a maximum lower operating frequency of 100 kHz to a minimum upper operating frequency of 26.5GHz, 50 Ohm system impedance;
- 2.2 Built-in Spectrum Analyzer test set, usable from 10 kHz to 26.5 GHz or higher, 50 Ohm input impedance;
- 2.3 Built-in vector voltmeter;
- 2.4 Built-in cable and antenna analysis;
- 2.5 Built-in time domain reflectometer (TDR) with distance-to-fault measurement;
- 2.6 Built-in Power meter with channel measurement;
- 2.7 Built-in Spectrogram and interference analysis tool;
- 2.8 Built-in GPS receiver for enhanced frequency reference and Geo-Location capability;
- 2.9 Built-in Direct Current (DC) bias, variable voltage source up to +30Volts, 0.5Amps;
- 2.10 Quick Calibration Functionality with on screen instructions;
- 2.11 Portable Hand-Held not more than 3.0 kg including battery;
- 2.12 Rugged unit compliant with MIL-PRF-28800F class 2; and
- 2.13 Three (3) hours minimum runtime on internal battery.

##### 3 Accessories for the Vector Network Analyzer

- 3.1 Measurement Cables with appropriate adaptors if necessary
- 3.2 Carrying pouch
- 3.3 Power Supply to charge the unit
- 3.4 GPS antenna compatible with built-in GPS receiver.
- 3.5 Three (3) extra rechargeable internal battery packs

##### 4 Mechanical Calibration Kit (50ohm), Direct Current to 26.5 GHZ must include the following:

- 4.1 50Ohm broadband load, 3.5 mm (male) Connector;
- 4.2 50 Ohm broadband load, 3.5 mm (Female) Connector;
- 4.3 Offset open, 3.5 mm (Male) Connector;
- 4.4 Offset open 3.5 mm (Female) Connector;
- 4.5 Offset short 3.5 mm (male) Connector;
- 4.6 Offset short, 3.5 mm (female) Connector;

4.7 Adaptor, 3.5 mm female to female Connectors;

4.8 Adaptor 3.5 mm male to male Connectors;

4.9 Adaptor 3.5 mm male to female Connectors;

4.10 5/16 in., 90 N.cm, torque wrench; and

4.11 7 mm open end wrench.

5 Deliverables

5.1 One (1) Handheld Portable Vector Network Analyzer with accessories; and

5.2 One (1) Mechanical Calibration Kit.