



**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**

**Bid Fax: (819) 997-9776**

**Request For a Standing Offer  
Demande d'offre à commandes**

Departmental Individual Standing Offer (DISO)

Offre à commandes individuelle du département(OCID)

Canada, as represented by the Minister of Public Works and  
Government Services Canada, hereby requests a Standing Offer  
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et  
Services Gouvernementaux Canada, autorise par la présente,  
une offre à commandes au nom des utilisateurs identifiés  
énumérés ci-après.

**Comments - Commentaires**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Electronics, Simulators and Defence Systems Div.  
/Division des systèmes électroniques et des systèmes de  
simulation et de défense  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

<b>Title - Sujet</b> MAGNETIC UNMOUNTED COMPASS	
<b>Solicitation No. - N° de l'invitation</b> W8486-162827/A	<b>Date</b> 2015-11-17
<b>Client Reference No. - N° de référence du client</b> W8486-162827	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$QF-106-25498
<b>File No. - N° de dossier</b> 106qf.W8486-162827	<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 2016-01-05</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST	
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Mastantuono, Ricardo	<b>Buyer Id - Id de l'acheteur</b> 106qf
<b>Telephone No. - N° de téléphone</b> (819)956-5771 ( )	<b>FAX No. - N° de FAX</b> (819)956-5650
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE CFSD MONTREAL 6363 RUE NOTRE DAME ST E. MONTREAL Quebec H1N2E9 Canada	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## PART 1 - GENERAL INFORMATION

### 1.1 Introduction

The RFSO is divided into seven parts plus attachments and annexes, as follows:

- |        |   |
|--------|---|
| Part 1 | General Information: provides a general description of the requirement;   |
| Part 2 | Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;   |
| Part 3 | Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;   |
| Part 4 | Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;   |
| Part 5 | Certifications: includes the certifications to be provided;   |
| Part 6 | Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by offerors; and <b>Not-Applicable</b>  |
| Part 7 | 7A, Standing Offer, and 7B, Resulting Contract Clauses:<br><br>7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;<br><br>7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer. |

The Annexes include the Technical Requirements and its related Appendices, the Pricing Tables, Call-up Form and Evaluation Framework.

### 1.2 Summary

- (i) The Department of National Defence (DND) has a requirement to establish a Standing Offer for the supply of Non-Radioactive, Magnetic Compass' (NSN 6605-01-396-7524, Part Number 15TD6400, or equivalent form, fit and function in accordance with the provided specs., & NSN 6605-00-334-4503, Part Number 15CL, 2801077, RANGER 515CL, and 15TDRANGER, or equivalent form, fit and function in accordance with the provided specs.) in accordance with the Technical Specifications in Annex A.
- (ii) The resulting Standing Offer is for a three (3) year period and includes an option to extend the Standing Offer by up to four (4) one (1) year options.
- (iii) The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).
- (iv) The Federal Contractors Program (FCP) for employment equity applies to this procurement; see Part 5 - Certifications, Part 7A -Standing Offer, and Part 7B - Resulting Contract Clauses and the annex titled Federal Contractors Program for Employment Equity - Certification.

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### **1.3 Debriefings**

Offerors may request a debriefing on the results of the RFSO process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the RFSO process. The debriefing may be in writing, by telephone or in person.

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## PART 2 - OFFEROR INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the RFSO 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006 \(2015-07-03\)](#) Standard Instructions - RFSO - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of [2006](#), Standard Instructions – RFSO - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

#### 2.1.1 Condition of Material

Material supplied must be new and conform to the latest issue of the applicable drawing, specification and/or part number that is in effect on the closing date of the RFSO.

### 2.2 Submission of Offers

Offers 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 RFSO.

Due to the nature of the RFSOs, transmission of offers by facsimile to PWGSC will not be accepted.

### 2.3 Enquiries - RFSOs

All enquiries must be submitted in writing to the Standing Offer Authority no later than 5 calendar days before the RFSO closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors 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 offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

### 2.4 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

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Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 offerors.

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## PART 3 - OFFER PREPARATION INSTRUCTIONS

### 3.1. Offer Preparation Instructions

Canada requests that offerors provide their offer in separately bound sections as follows:

Section I: Technical Offer (4 copies with 1 marked "Master")

Section II: Financial Offer (2 copies with 1 marked "Master")

Section III: Certifications (2 copies with 1 marked "Master")

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

Canada requests that offerors follow the format instructions described below in the preparation of their offer.

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

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

In their technical offer, offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work. Offerors should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical offer should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the offer will be evaluated. Simply repeating the statement contained in the RFSO is not sufficient. In order to facilitate the evaluation of the offer, Canada requests that offerors address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, offerors may refer to different sections of their offer by identifying the specific paragraph and page number where the subject topic has already been addressed.

#### 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;

- 
- 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.

### **Substitute Products - Samples (Department of National Defence)**

If the Bidder offers a substitute product, the Bidder must provide a sample to Canada in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.

The Bidder must provide a sample to the Contracting Authority, transportation charges prepaid, and without charge to Canada. 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 Offer**

Offerors must submit their financial offer in accordance with the pricing tables found in Annex B. The total amount of Applicable Taxes must be shown separately.

#### Requirement:

- Item # 1: Offerors shall provide a Firm Unit Price and an Extended Price, *DDP (Delivered Duty Paid) Incoterms 2010*, GST/QST/HST extra, as applicable.
- Item # 2: Offerors shall provide a Firm Unit Price and an Extended Price, *DDP (Delivered Duty Paid) Incoterms 2010*, GST/QST/HST extra, as applicable.

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 offer non-responsive.

Offerors shall indicate the currency being used in their financial offer. Should the currency not be indicated, it will be assumed that it is Canadian. Please refer to Part 4, Article 4.1.2, of the RFSO for Canadian dollar conversion rules.

### **Section III: Certifications & Other Requirements**

The Offeror's proposal shall include:

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- (a) Page 1 of this RFSO document must be signed and dated by an authorized representative of the Offeror in the space provided to certify that their offer complies with all the terms and conditions of the RFSO (including the resulting Standing Offer and Contract clauses) and that they agree to perform and/or provide all of the Work identified in the RFSO.
- (b) All clauses or sections with a fill-in blank or which are to be signed, are to be completed and returned as part of the offer.
- (c) Offeror's must submit the Certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 Evaluation Procedures**

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

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1 Mandatory Technical Evaluation Criteria**

Offerors that are proposing Equivalent Products (i.e. items which have not been catalogued by DND) will be assessed in accordance with the Evaluation Framework found in Annex D.

#### **4.1.2 Financial Evaluation**

The price of the offer, including options, will be evaluated in Canadian dollars, DDP (Delivered Duty Paid) Incoterms 2010, GST/QST/HST extra, as applicable.

Offers submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the RFSO closing date, or on another date specified in the RFSO, will be applied as a conversion factor to the offers submitted in foreign currency.

For the purpose of the RFSO, offerors with an address in Canada are considered Canadian-based offerors, and offerors with an address outside of Canada are considered foreign-based offerors.

### **4.2 Basis of Selection**

An offer must comply with the requirements of the Request for Standing Offers to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

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## **PART 5 - CERTIFICATIONS**

Offerors must provide the required certifications and associated information to be issued a standing offer.

The certifications provided by offerors to Canada are subject to verification by Canada at all times. Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default in carrying out any of its obligations under any resulting contracts, if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority may render the Offer non-responsive, may result in the setting aside of the Standing Offer or constitute a default under the Contract.

### **5.1 Certifications Required with the Offer**

Offerors must submit the following duly completed certifications as part of their offer.

#### **5.1.1 Declaration of Convicted Offences**

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Offeror must provide with its offer, a completed Declaration Form (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), to be given further consideration in the procurement process.

### **5.2 Certifications Precedent to the Issuance of a Standing Offer and Additional Information**

The certifications and additional information listed below should be submitted with the offer, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror 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 offer non-responsive.

#### **5.2.1 Integrity Provisions – List of Names**

Offerors who are incorporated, including those submitting offers as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Offeror.

Offerors submitting offers as sole proprietorship, as well as those submitting offers as a joint venture, must provide the name of the owner(s).

Offerors submitting offers as societies, firms or partnerships do not need to provide lists of names.

#### **5.2.2 Federal Contractors Program for Employment Equity - Standing Offer Certification**

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror 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\\_eq/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_eq/eq/emp/fcp/list/inelig.shtml)) available from Employment and Social Development Canada-Labour's website.

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

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## **PART 6 – SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS**

Not-Applicable

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## PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

### A. STANDING OFFER

#### 7.1 Offer

7.1.1 The Offeror offers to fulfill the requirements as outlined in Annex "B", Line Item #. 1 & 2.

#### 7.2 Security Requirements

7.2.1 There is no security requirement applicable to this Standing Offer.

#### 7.3 Standard Clauses and Conditions

All clauses and conditions identified in the Standing Offer and resulting contract(s) 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

##### 7.3.1 General Conditions

[2005 \(2015-09-03\)](#) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

##### 7.3.2 Supplemental General Conditions

N/A

#### 7.4 Term of Standing Offer

##### 7.4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is from \_\_\_\_\_ to \_\_\_\_\_. **[Note: Information to be inserted following award of Standing Offer.]**

##### 7.4.2 Extension of Standing Offer

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer by up to four (4) additional one (1) year periods, from \_\_\_\_\_ to \_\_\_\_\_. **[Note: Information to be inserted following award of Standing Offer.]** under the same conditions and at the prices specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority 30 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

#### 7.5 Authorities

##### 7.5.1 Standing Offer Authority

The Standing Offer Authority is:

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Name: Ricardo Mastantuono  
Title: Supply Team Leader  
Public Works and Government Services Canada  
Acquisitions Branch  
QF Division

Address: 11 Laurier Street  
Gatineau, QC., K1A 0S5

Telephone: 819-956-5771  
Facsimile: 819-956-5650  
E-mail address: [ricardo.mastantuono@pwgsc.gc.ca](mailto:ricardo.mastantuono@pwgsc.gc.ca)

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

#### 7.5.2 Requisition (Procurement) Authority

The Procurement Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
E-mail address: \_\_\_\_\_

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

#### 7.5.3 Technical Authority

The Technical Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Technical Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

#### 7.5.4 Offeror's Representative [Note: To be filled in by Offeror in offer submission.]

Name and contact information of the person(s) responsible for the following:

*General Inquiries:*

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Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Facsimile: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
E-mail address: \_\_\_\_\_

*Delivery Inquiries:*

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Facsimile: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
E-mail address: \_\_\_\_\_

**7.6 Identified Users**

The Identified Users authorized to make call-ups against the Standing Offer: DND Procurement Authority (DGLPEM/DLP 3) and PWGSC (Standing Offer Authority).

**7.7 Call-up Instrument**

The Work will be authorized or confirmed by the Identified User using form [PWGSC-TPSGC 942, Call-up Against a Standing Offer](#).

**7.7.1 Limitation of Call-ups**

Individual call-ups against the Standing Offer must not exceed \$10,000.00 (Applicable Taxes included).

**7.8 Financial Limitation – Total**

The total cost to Canada resulting from Call-ups against the Standing Offer must not exceed the sum of \$\_\_\_\_\_ *[Note: Information to be inserted following award of Standing Offer.]* (Applicable Taxes excluded), unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to Call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or six (6) months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

**7.9 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 call up against the Standing Offer, including any annexes;
  - b) the articles of the Standing Offer;
  - c) the general conditions 2005 (2015-09-03), General Conditions - Standing Offers - Goods or Services;
  - d) Annex A, Technical Specifications and its related Appendices;
  - e) Annex B, Pricing Table; and
  - f) the Offeror's offer dated \_\_\_\_\_.

## **7.10 Certifications**

### **7.10.1 Compliance**

The continuous compliance with the certifications provided by the Offeror with its offer and the ongoing cooperation in providing associated information are conditions of issuance of the Standing Offer (SO). Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO. If the Offeror does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

### **7.11 Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in Ontario.

### **7.12 Defence Contract**

The Contract is a defence contract within the meaning of the Defence Production Act, R.S.C. 1985, c. D-1, and must be governed accordingly.

Title to the Work or to any materials, parts, work-in-process or finished work must belong to Canada free and clear of all claims, liens, attachments, charges or encumbrances. Canada is entitled, at any time, to remove, sell or dispose of the Work or any part of the Work in accordance with section 20 of the Defence Production Act.

### **7.13 Priority Rating**

#### **7.13.1 Canadian Contractor**

1. The Contract concerns a Canadian defence requirement and therefore is eligible to be assigned a "U.S. Priority Rating" for any materials/services imported from the United States which may be required in the performance of the Work. Accordingly, the Contractor must:
  - a. make an application to the Defence Priorities and Allocations Officer, Public Works and Government Services Canada (PWGSC), either by e-mail at:  

DGAPrioritiesdedefense.ACQBDefencePriorities@pwgsc-tpsgc.gc.ca ; or by  
facsimile: 819-956-1459; and
  - b. include this clause in subcontracts with Canadian-based contractors, and quote the PWGSC Contract Number indicated in the Contract.

2. Failure to comply with the above may impact on the Contractor's delivery commitments. Therefore, the Contractor is responsible for any breach of the Contract that arises from such a failure.

### **7.13.2 Foreign Contractor**

Canada is a participant in the United States Defense Priorities and Allocations System and this defence contract is eligible for a priority rating. The Defence Priorities and Allocations Officer, Public Works and Government Services Canada, must advise the Contractor as to the appropriate priority rating within sixty (60) days of the date of the Contract.

## **B. RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

### **7.1 Requirement**

The Contractor must provide the items detailed in the call-up against the Standing Offer.

### **7.2 Standard Clauses and Conditions**

#### **7.2.1 General Conditions**

[2030 \(2015-09-03\)](#), General Conditions - Higher Complexity - Goods apply to and form part of the Contract.

##### **7.2.1.1 Warranty**

Section 1 to Article 2030 22 (2014-09-25) *Warranty* is hereby amended as follows:

Insert: "sixty (60) months" in lieu of "twelve (12) months"

#### **7.2.2 Supplemental General Conditions**

N/A

### **7.3 Term of Contract**

#### **7.3.1 Delivery Date**

Delivery must be made within 90 calendar days from receipt of a call-up against the Standing Offer.

### **7.4 Payment**

#### **7.4.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the approved Call-up(s), the Contractor will be paid the Firm Unit Price as specified in Annex B, Price and Delivery, DDP (Delivered Duty Paid) Incoterms 2010, GST/QST/HST extra, as applicable, for the performance of the Work specified in the approved Call-Up(s).

#### **7.4.2 Limitation of Price**

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

#### **7.4.3 Method of Payment**

##### **7.4.3.1 Multiple Payments**

Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract:

- A. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- B. all such documents have been verified by Canada; and
- C. the Work delivered has been accepted by Canada.

#### **7.4.4 SACC Manual Clauses**

SACC Manual clause C2000C (2007-11-30) Taxes - Foreign-based Contractor)  
SACC Manual clause C2002C (2010-01-11) Duties and Taxes - Foreign-based Contractor - State of California

#### **7.5 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.

Each invoice must be supported by:

- A. Copy of the release document, if any, and any other documents as specified in the Contract.
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 Standing Offer Authority; and
    - C. one (1) copy must be forwarded to the consignee.

#### **7.6 Insurance**

SACC Manual clause [G1005C](#) (2008-05-12) Insurance

#### **7.7 Delivery, Quality, Inspection and Acceptance**

##### **7.7.1 Marking**

The Contractor must ensure that the manufacturer's name and part number are clearly stamped or etched on each item for positive identification purposes.

## 7.7.2 Labelling

The Contractor must ensure that the manufacturer's and specification numbers appear on each item, either printed on the container or on an adhesive label of highest commercial standard affixed to the container.

## 7.7.3 Shipping Instructions - Delivery at Destination

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

- A Delivered Duty Paid (DDP) Incoterms 2010 for shipments from a commercial contractor.

### 7.7.3.1 Delivery Points

Quebec	Department of National Defence 25 CFSD Montreal 6363 Notre Dame St. E. Montreal, Quebec H1N 1V9 (TEL: 514 252-2777 LOC 2363)
Alberta	Department of National Defence 7 CF Supply Depot 195 Ave & 82nd St., Bldg. 236 Edmonton, Alberta T5J 4J5 (TEL: 780-973-4011 LOC 4524)

*[Note: The actual Delivery Point will be stated in each Call-Up.]*

## 7.7.4 Packaging Requirement using Specification D-LM-008-036/SF-000

The Contractor must prepare items for delivery in accordance with the latest issue of the Canadian Forces packaging specifications D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack.

## 7.7.5 ISO 9001:2008 Quality Management Systems - Requirements (Quality Assurance Code C)

The Contractor is responsible for implementing a quality system appropriate to the scope of the work to be performed. It is recommended that the quality system be based on ISO 9001:2008 "Quality management systems - Requirements."

The Contractor is responsible for performing or having performed all inspections and tests necessary to substantiate that the materiel or services provided conform to the drawings, specifications and the requirements of the Contract. The Contractor must keep accurate and complete inspection records which must, upon request, be made available to the authorized Canadian Coast Guard (CCG) representative, who may make copies and take extracts during the performance of the Contract and for a period of one (1) year after the completion of the Contract.

Despite the above, all materiel is subject to verification and acceptance by CCG at destination. The authorized CCG representative at destination may either be the consignee(s), the Technical Authority, or the Quality Assurance Authority.

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### **7.7.6 Inspection and Acceptance**

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Technical Specifications and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

### **7.7.7 Wood Packaging Materials**

All wood packaging materials used in shipping must conform to the *International Standards for Phytosanitary Measures No. 15: Regulation of Wood Packaging Material in International Trade (ISPM 15)*.

Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:

*D-98-08 - Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States*

*D-01-05 - The Canadian Wood Packaging Certification Program (CWPCP)*

### **7.7.8 Excess Goods**

The quantity of goods to be delivered by the Contractor is specified in the Call-up. The Contractor remains liable for any shipment in excess of that quantity whether the excess quantity is shipped voluntarily or as a result of an error by the Contractor. Canada will not make any payment to the Contractor for goods shipped in excess of the specified quantity. Canada will not return the said goods to the Contractor unless the Contractor agrees to pay for all the costs related to the return, including but not limited to administrative, shipping and handling costs. Canada will have the right to deduct such costs from any invoice submitted by the Contractor.

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**ANNEX "A" - TECHNICAL REQUIREMENTS**

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**APPENDIX 1 – NON-RADIOACTIVE MAGNETIC,  
UNMOUNTED COMPASS (NSN # 6605-01-396-7524)**

Solicitation No. - N° de l'invitation  
W8461-162827/A  
Client Ref. No. - N° de réf. du client  
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File No. - N° du dossier  
106qf W8461-162827

Buyer ID - Id de l'acheteur  
106qf  
CCC No./N° CCC - FMS No./N° VME

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**APPENDIX 2 – NON-RADIOACTIVE MAGNETIC,  
UNMOUNTED COMPASS (NSN # 6605-01-334-4503)**

**ANNEX "B" – PRICING TABLES**

Should a discrepancy exist between the Firm Unit Prices and Extended Prices, the Firm Unit Pricing shall govern.

1. Non-Radioactive Magnetic Compass [NSN No. 6605-01-396-7524 or Equivalent Product)

Item N°	Item Description	Qty.	Years 1 – 3 Firm Unit Price	Ext. Price	Option Year # 1 Firm Unit Price	Option Year # 2 Firm Unit Price	Option Year # 3 Firm Unit Price	Option Year # 4 Firm Unit Price
1	Non-Radioactive Magnetic Compass (NSN 6605-01-396-7524, Part Number 15TD6400 or equivalent form, fit and function IAW the provided specs.	2000	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

**[Note: For evaluation purposes only, DND expects to procure approx. 2000 units per year. This amount will be used for evaluating each Bidders pricing and should not be interpreted as a true reflection of actual units procured on a yearly basis.]**

2. Non-Radioactive Magnetic Compass [NSN No. 6605-00-334-4503 or Equivalent Product)

Item N°	Item Description	Qty.	Years 1 – 3 Firm Unit Price	Ext. Price	Option Year # 1 Firm Unit Price	Option Year # 2 Firm Unit Price	Option Year # 3 Firm Unit Price	Option Year # 4 Firm Unit Price
1	Non-Radioactive Magnetic Compass (NSN 6605-00-334-4503, Part Number 15CL, 2801077, Ranger 515CL and 15TDRANGER, or equivalent form, fit and function IAW the provided specs.	2000	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

**[Note: For evaluation purposes only, DND expects to procure approx. 2000 units per year. This amount will be used for evaluating each Bidders pricing and should not be interpreted as a true reflection of actual units procured on a yearly basis.]**

3. Currency

Solicitation No. - N° de l'invitation  
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Firm Unit prices and Extended Price are expressed in the following currency: \_\_\_\_\_.

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**ANNEX "C" - CALL-UP FORM**

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**ANNEX "D" - EVALUATION FRAMEWORK**

*[Note: Annex to be removed following award of Standing Offer.]*

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**APPENDIX 1 – TECHNICAL EVALUATION CRITERIA FOR EQUIVALENT PRODUCTS  
- NON-RADIOACTIVE MAGNETIC, UNMOUNTED COMPASS (NSN 6605-01-396-7524)**

Solicitation No. - N° de l'invitation  
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Client Ref. No. - N° de réf. du client  
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Amd. No. - N° de la modif.  
File No. - N° du dossier  
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Buyer ID - Id de l'acheteur  
106qf  
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**APPENDIX 2 – TECHNICAL EVALUATION CRITERIA FOR EQUIVALENT PRODUCTS  
– NON-RADIOACTIVE MAGNETIC, UNMOUNTED COMPASS (NSN # 6605-01-334-4503)**



**NOTICE**

This documentation has been reviewed by the technical authority and does not contain controlled goods.

**APPENDIX 1 TO ANNEX A  
TO W8486-162827**

**TECHNICAL SPECIFICATION  
FOR  
NON-RADIOACTIVE MAGNETIC, UNMOUNTED COMPASS  
NSN 6605-01-396-7524**

---

## 1.1 General requirements

1.1.1 The compass must be a magnetic, unmounted pocket type compass.

## 1.2 Physical requirements

1.2.1 The compass must consist of a transparent plastic rectangular base with a circular dial assembly and a rectangular hinged lid attached to the base.

### Lid

1.2.2 The lid must protect the dial assembly when in the closed position.

1.2.3 A mirror must be mounted on the inside of the lid with a visible line down the centre of the mirror.

1.2.4 The mirror must permit viewing of the compass needle alignment.

1.2.5 A V-sight must be fitted to the top of the lid.

1.2.6 The base of the lid hinge must have an index pointer for reading against the graduation on the dial assembly.

### Base

1.2.7 The base must consist of clear plastic material 2.5" +/- 0.125" wide, 4" +/- 0.125" long and 0.156" +/- 0.125" thick.

1.2.8 The bottom of the base must be provided with a minimum of three rubber friction pads to prevent the compass from sliding on smooth surfaces.

1.2.9 An olive-drab or black safety cord/lanyard must be attached to the base.

1.2.10 A catch must be provided to retain the lid in the closed position.

1.2.11 A metric 1/25000 and a metric 1/50000 Romer scale must be engraved on the base.

1.2.12 The part/product/model number must be embossed or engraved on the bottom right or left hand corner of the base.

### Dial assembly

1.2.13 The dial assembly must be attached to the plastic base.

1.2.14 A gas or liquid filled capsule must house the compass needle.

1.2.15 The capsule must be enclosed in a graduated rotating ring.

1.2.16 The ring must be graduated on its outer edge every 50 mils and numbered every 200 mils from 0 to 6400 mils in a clockwise direction.

1.2.17 The dial diameter must be 2.062" to 2.250".

1.2.18 The top of the scale must be graduated with, at a minimum, the four cardinal points lettered N, E, S and W.

1.2.19 A dial for reading magnetic deviation must be provided.

- 1.2.20 The declination scale must be graduated every 2 degrees and numbered every twenty 20 degrees each side of zero 0 to ninety 90 degrees east and west.
- 1.2.21 A black, or black and red orienting arrow must be located on another scale directly above the declination scale which, in conjunction with the compass needle, must permit readings of bearings.
- 1.2.22 The scale with the orienting arrow must be adjustable by means of an adjusting screw, so that it can be set against the declination scale for magnetic declination. Both scales must rotate with the index ring.
- 1.2.23 A declination key must be provided on the safety cord/lanyard to fit the declination adjusting screw.

### **1.3 Light Sources**

- 1.3.1 The compass must have the following light sources to provide illumination of scales and indices:
  - 1.3.2 Luminous non-radioactive painted index on the lid hinge to indicate the scales on the dial assembly;
  - 1.3.3 Luminous non-radioactive painted index line below the V-sight;
  - 1.3.4 Luminous non-radioactive lines and dots to outline the shape of the orienting arrow;
  - 1.3.5 Luminous non-radioactive strip down the centre of the north seeking end of the compass needle; and
  - 1.3.6 Luminous non-radioactive strip to indicate the back bearing.

### **1.4 Performance**

- 1.4.1 With the compass set along the magnetic meridian on a level surface and the index ring set to zero, the following features must lie in the same vertical plane sufficient to meet the accuracy requirements outlined in sections 1.4.6, 1.4.7 and 1.4.8 below:
  - The base of the V in the open sight
  - The hair line in the mirror
  - The orienting arrow
  - The compass needle
  - The non-radioactive light sources, one on the sight, one on the lid hinge, one on the compass needle and one on the base for the back bearing.

#### Balance of needle

- 1.4.2 The needle must balance in the horizontal plane or with a tilt at the North seeking pole, not exceeding 18 mils depression.

### Sensitivity

- 1.4.3 When the compass needle has been deflected first in one direction and then in the opposite direction, through an angle of at least 100 mils, the total angular variation between two consecutive readings must not exceed 5 mils when the compass needle comes to rest after lightly tapping the index ring not more than three times.

### Tilt

- 1.4.4 The compass needle must be free to tilt through an angle of 125 mils either way from the horizontal without fouling any part of the capsule.

### Time of swing

- 1.4.5 When the compass needle is deflected through an angle of 1600 mils from the magnetic meridian, the compass needle must return within 15 seconds.

### Accuracy

- 1.4.6 The total error in any magnetic bearing must meet the following after lightly tapping the index ring not more than three times:
- 1.4.7 The magnetic bearings taken at the four cardinal points obtained by reference to the sight, the mirror sighting line, the compass needle and the orienting arrow, must agree with those measured by a compass calibrator within  $\pm 50$  mils.
  - 1.4.8 The magnetic bearings taken at the four cardinal points obtained by reference to the light source on the sight, the two light sources on the base, and the light sources on the compass needle and either side of the orienting arrow, must agree with those measured by a compass calibrator within  $\pm 100$  mils.

## **1.5 Operating temperature**

- 1.5.1 The compass must be capable of meeting all the requirements herein listed subsequent to exposure to temperature of  $-40^{\circ}$  C and  $+60^{\circ}$  C.

## **1.6 Documentation requirements**

- 1.6.1 Bilingual (English and French) instruction manuals must be provided with each individual compass.
- 1.6.2 A list and drawing of the compass and its major components must be provided electronically to the Technical Authority within 10 working days after contract award.



**NOTICE**

This documentation has been reviewed by the technical authority and does not contain controlled goods.

**APPENDIX 2 TO ANNEX A  
TO W8486-162827**

**TECHNICAL SPECIFICATION  
FOR  
NON-RADIOACTIVE MAGNETIC, UNMOUNTED COMPASS  
NSN 6605-00-334-4503**

---

## 1.1 General requirements

1.1.1 The compass must be a magnetic, unmounted pocket type compass.

## 1.2 Physical requirements

1.2.1 The compass must consist of a transparent plastic rectangular base with a circular dial assembly and a rectangular hinged lid attached to the base.

### Lid

1.2.2 The lid must protect the dial assembly when in the closed position.

1.2.3 A mirror must be mounted on the inside of the lid with a visible line down the centre of the mirror.

1.2.4 The mirror must permit viewing of the compass needle alignment.

1.2.5 A V-sight must be fitted to the top of the lid.

1.2.6 The base of the lid hinge must have an index pointer for reading against the graduation on the dial assembly.

### Base

1.2.7 The base must consist of clear plastic material 2.5" +/- 0.125" wide, 4" +/- 0.125" long and 0.156" +/- 0.125" thick.

1.2.8 The bottom of the base must be provided with a minimum of three rubber friction pads to prevent the compass from sliding on smooth surfaces.

1.2.9 A red safety cord/lanyard must be attached to the base.

1.2.10 A catch must be provided to retain the lid in the closed position.

1.2.11 A metric 1/25000 and a metric 1/50000 Romer scale must be engraved on the base.

1.2.12 The part/product/model number must be embossed or engraved on the bottom right or left hand corner of the base.

### Dial assembly

1.2.13 The dial assembly must be attached to the plastic base.

1.2.14 A gas or liquid filled capsule must house the compass needle.

1.2.15 The capsule must be enclosed in a graduated rotating ring.

1.2.16 The ring must be graduated on its outer edge every 2 degrees and numbered every 20 degrees from 0 to 360 degrees in a clockwise direction.

1.2.17 The dial diameter must be 2.062" to 2.250".

1.2.18 The top of the scale must be graduated with eight compass points with the four cardinal points lettered N, E, S and W.

- 
- 1.2.19 A dial for reading magnetic deviation must be provided.
  - 1.2.20 The declination scale must be graduated every 2 degrees and numbered every 20 degrees each side of zero 0 to ninety 90 degrees east and west.
  - 1.2.21 A black orienting arrow must be located on another scale directly above the declination scale which, in conjunction with the compass needle, must permit readings of bearings.
  - 1.2.22 The scale with the orienting arrow must be adjustable by means of an adjusting screw, so that it can be set against the declination scale for magnetic declination. Both scales must rotate with the index ring.
  - 1.2.23 A declination key must be provided on the safety cord/lanyard to fit the declination adjusting screw.

### **1.3 Light Sources**

- 1.3.1 The compass must have the following light sources to provide illumination of scales and indices:
  - 1.3.2 Luminous non-radioactive painted index on the lid hinge to indicate the scales on the dial assembly;
  - 1.3.3 Luminous non-radioactive painted index line below the V-sight;
  - 1.3.4 Luminous non-radioactive lines and dots to outline the shape of the orienting arrow;
  - 1.3.5 Luminous non-radioactive strip down the centre of the north seeking end of the compass needle; and
  - 1.3.6 Luminous non-radioactive strip to indicate the back bearing.

### **1.4 Performance**

- 1.4.1 With the compass set along the magnetic meridian on a level surface and the index ring set to zero, the following features must lie in the same vertical plane sufficient to meet the accuracy requirements outlined in sections 1.4.6, 1.4.7 and 1.4.8 below:
  - The base of the V in the open sight
  - The hair line in the mirror
  - The orienting arrow
  - The compass needle
  - The non-radioactive light sources, one on the sight, one on the lid hinge, one on the compass needle and one on the base for the back bearing.

#### Balance of needle

- 1.4.2 The needle must balance in the horizontal plane or with a tilt at the North seeking pole, not exceeding 1.01 degrees depression.

#### Sensitivity

- 
- 1.4.3 When the compass needle has been deflected first in one direction and then in the opposite direction, through an angle of at least 5.63 degrees, the total angular variation between two consecutive readings must not exceed 0.28 degrees when the compass needle comes to rest after lightly tapping the index ring not more than three times.

#### Tilt

- 1.4.4 The compass needle must be free to tilt through an angle of 7.03 degrees either way from the horizontal without fouling any part of the capsule.

#### Time of swing

- 1.4.5 When the compass needle is deflected through an angle of 90 degrees from the magnetic meridian, the compass needle must return within 15 seconds.

#### Accuracy

- 1.4.6 The total error in any magnetic bearing must meet the following after lightly tapping the index ring not more than three times:
- 1.4.7 The magnetic bearings taken at the four cardinal points obtained by reference to the sight, the mirror sighting line, the compass needle and the orienting arrow, must agree with those measured by a compass calibrator within  $\pm 2.81$  degrees.
  - 1.4.8 The magnetic bearings taken at the four cardinal points obtained by reference to the light source on the sight, the two light sources on the base, and the light sources on the compass needle and either side of the orienting arrow, must agree with those measured by a compass calibrator within  $\pm 5.63$  degrees.

### **1.5 Operating temperature**

- 1.5.1 The compass must be capable of meeting all the requirements herein listed subsequent to exposure to temperature of  $-40^{\circ}$  C and  $+60^{\circ}$  C.

### **1.6 Documentation requirements**

- 1.6.1 Bilingual (English and French) instruction manuals must be provided with each individual compass.
- 1.6.2 A list and drawing of the compass and its major components must be provided electronically to the Technical Authority within 10 working days after contract award.

Appendix 1 to Annex D to W8486-162827

Technical evaluation criteria for equivalent products - Non-Radioactive Magnetic, Unmounted Compass NSN 6605-01-396-7524

Date:  
RDMIS # 2631317

Offeror:

Mandatory requirements	Compliance Required	Evaluation Method	Offeror's Response/References	Comments (For the Evaluation Team only)	Compliance (For the Evaluation Team only)	
					C	NC
<b>1.1</b> <u>General requirements</u>						
1.1.1 The compass must be a magnetic, unmounted type compass.	Sample	Visual Inspection				
<b>1.2</b> <u>Physical requirements</u>						
1.2.1 The compass must consist of a transparent plastic rectangular base with a circular dial assembly and a rectangular hinged lid attached to the base.	Sample	Visual Inspection				
<u>Lid</u>						
1.2.2 The lid must protect the dial assembly when in the closed position.	Sample	Visual Inspection				
1.2.3 A mirror must be mounted on the inside of the lid with a visible line down the centre of the mirror.	Sample	Visual Inspection				
1.2.4 The mirror must permit viewing of the compass needle alignment.	Sample	Visual Inspection				
1.2.5 A V-sight must be fitted to the top of the lid.	Sample	Visual Inspection				
1.2.6 The base of the lid hinge must have an index pointer for reading against the graduation on the dial assembly.	Sample	Visual Inspection				

<u>Base</u>	Sample and TD	Sample will be measured and TD will be reviewed as per Mandatory Requirements						
1.2.7	The base must consist of clear plastic material 2.5" +/- 0.125" wide, 4" +/- 0.125" long and 0.156" +/- 0.125" thick.	Sample will be measured and TD will be reviewed as per Mandatory Requirements						
1.2.8	The bottom of the base must be provided with a minimum of three rubber friction pads to prevent the compass from sliding on smooth surfaces.	Visual Inspection						
1.2.9	An olive-drab or black safety cord/lanyard must be attached to the base.	Visual Inspection						
1.2.10	A catch must be provided to retain the lid in the closed position.	Visual Inspection						
1.2.11	A metric 1/25000 and a metric 1/50000 Romer scale must be engraved on the base.	Visual Inspection						
1.2.12	The part/product/model number must be embossed or engraved on the bottom right or left hand corner of the base.	Visual Inspection						
<b>Dial assembly</b>								
1.2.13	The dial assembly must be attached to the plastic base.	Visual Inspection						
1.2.14	A gas or liquid filled capsule must house the compass needle.	Visual Inspection						
1.2.15	The capsule must be enclosed in a graduated rotating ring.	Visual Inspection						
1.2.16	The ring must be graduated on its outer edge every 50 mils and numbered every 200 mils from 0 to 6400 mils in a clockwise direction.	Visual Inspection						

1.2.17	The dial diameter must be 2.062" to 2.250".	<b>Sample and TD</b>	<b>Sample will be measured and TD will be reviewed as per Mandatory Requirements</b>		
1.2.18	The top of the scale must be graduated with, at a minimum, the four cardinal points lettered N, E, S and W.	<b>Sample</b>	<b>Visual Inspection</b>		
1.2.19	A dial for reading magnetic deviation must be provided.	<b>Sample</b>	<b>Visual Inspection</b>		
1.2.20	The declination scale must be graduated every 2 degrees and numbered every twenty 20 degrees each side of zero 0 to ninety 90 degrees east and west.	<b>Sample</b>	<b>Visual Inspection</b>		
1.2.21	A black, or black and red orienting arrow must be located on another scale directly above the declination scale which, in conjunction with the compass needle, must permit readings of bearings.	<b>Sample</b>	<b>Visual Inspection</b>		
1.2.22	The scale with the orienting arrow must be adjustable by means of an adjusting screw, so that it can be set against the declination scale for magnetic declination. Both scales must rotate with the index ring.	<b>Sample</b>	<b>Visual Inspection</b>		
1.2.23	A declination key must be provided on the safety cord/lanyard to fit the declination adjusting screw.	<b>Sample</b>	<b>Visual Inspection</b>		
<b>1.3 Light Sources</b>					
1.3.1	The compass must have the following light sources to provide illumination of scales and indices:	<b>Sample</b>	<b>Visual Inspection</b>		
1.3.2	Luminous non-	<b>Sample</b>	<b>Visual Inspection</b>		

radioactive painted index on the lid hinge to indicate the scales on the dial assembly;							
1.3.3 Luminous non-radioactive painted index line below the V-sight;	Sample	Visual Inspection					
1.3.4 Luminous non-radioactive lines and dots to outline the shape of the orienting arrow;	Sample	Visual Inspection					
1.3.5 Luminous non-radioactive strip down the centre of the north seeking end of the compass needle; and	Sample	Visual Inspection					
1.3.6 Luminous non-radioactive strip to indicate the back bearing.	Sample	Visual Inspection					
1.4 <u>Performance</u>							

<p>1.4.1 With the compass set along the magnetic meridian on a level surface and the index ring set to zero, the following features must lie in the same vertical plane sufficient to meet the accuracy requirements outlined in sections 1.4.6, 1.4.7 and 1.4.8 below:</p> <ul style="list-style-type: none"> <li>• The base of the V in the open sight</li> <li>• The hair line in the mirror</li> <li>• The orienting arrow</li> <li>• The compass needle</li> <li>• The non-radioactive light sources, one on the sight, one on the lid hinge, one on the compass needle and one on the base for the back bearing.</li> </ul>	<p><b>Sample</b></p>	<p><b>Visual Inspection</b></p>				
<p><u>Balance of needle</u></p>	<p><b>Sample and TD</b></p>	<p><b>Sample will be measured and TD will be reviewed as per Mandatory Requirements</b></p>				
<p>1.4.2 The needle must balance in the horizontal plane or with a tilt at the North seeking pole, not exceeding 18 mils depression.</p>	<p><b>Sample and TD</b></p>	<p><b>Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements</b></p>				
<p><u>Sensitivity</u></p>	<p><b>Sample and TD</b></p>					
<p>1.4.3 When the compass needle has been deflected first in one direction and then in the opposite direction, through an angle of at least 100 mils, the total angular variation between two consecutive readings must not exceed 5 mils when the compass needle comes to rest after lightly tapping the index</p>	<p><b>Sample and TD</b></p>					

<u>Tilt</u>								
1.4.4	The compass needle must be free to tilt through an angle of 125 mils either way from the horizontal without fouling any part of the capsule.	Sample and TD	Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements					
<u>Time of swing</u>								
1.4.5	When the compass needle is deflected through an angle of 1600 mils from the magnetic meridian, the compass needle must return within 15 seconds.	Sample and TD	Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements					
<u>Accuracy</u>								
1.4.6	The total error in any magnetic bearing must meet the following after lightly tapping the index ring not more than three times:	TD	TD will be reviewed as per Mandatory Requirements					
1.4.7	The magnetic bearings taken at the four cardinal points obtained by reference to the sight, the mirror sighting line, the compass needle and the orienting arrow, must agree with those measured by a compass calibrator within $\pm 50$ mils.	TD	TD will be reviewed as per Mandatory Requirements					
1.4.8	The magnetic bearings taken at the four cardinal points obtained by reference to the light source on the sight, the two light sources on the base, and the light	TD	TD will be reviewed as per Mandatory Requirements					

sources on the compass needle and either side of the orienting arrow, must agree with those measured by a compass calibrator within ±100 mils.					
<b>1.5 Operating temperature</b>					
1.5.1 The compass must be capable of meeting all the requirements herein listed subsequent to exposure to temperature of -40° C and +60° C.	TD	TD will be reviewed as per Mandatory Requirements			
<b>1.6 Documentation requirements</b>					
1.6.1 Bilingual (English and French) instruction manuals must be provided with each individual compass.	Sample	Sample will be reviewed as per Mandatory Requirements			
1.6.2 A list and drawing of the compass and its major components must be provided electronically to the Technical Authority within 10 working days after contract award.	CS	CS will be reviewed as per Mandatory Requirements			

**NOTE:**

- For each requirement where “Sample” is identified in the “Compliance Required” column, Offerors must provide a sample of the proposed product addressing the mandatory requirements.
- For each requirement where “CS” (Compliance Statement) is identified in the “Compliance Required” column, Offerors must provide a compliance statement that describes in detail how the equipment offered fully complies with the requirement. Supporting documentation is requested but not essential.
- For each requirement where “TD” (Technical Document/Data) is identified in the “Compliance Required” column, Offerors must provide detailed technical documentation/data to confirm that the equipment offered fully complies with the mandatory requirement.

Appendix 2 to Annex D to W8486-162827

Technical evaluation criteria for equivalent products - Non-Radioactive Magnetic, Unmounted Compass NSN 6605-00-334-4503

Date:  
RDMIS # 1516384

Offeror:

Mandatory Requirements	Compliance Required	Evaluation Method	Offeror's Response/References	Comments (For the Evaluation Team only)	Compliance (For the Evaluation Team only)	
					C	NC
<b>1.1</b> <u>General requirements</u>						
1.1.1 The compass must be a magnetic, unmounted compass.	<b>Sample</b>	<b>Visual Inspection</b>				
<b>1.2</b> <u>Physical requirements</u>						
1.2.1 The compass must consist of a transparent plastic rectangular base with a circular dial assembly and a rectangular hinged lid attached to the base.	<b>Sample</b>	<b>Visual Inspection</b>				
<u>Lid</u>						
1.2.2 The lid must protect the dial assembly when in the closed position.	<b>Sample</b>	<b>Visual Inspection</b>				
1.2.3 A mirror must be mounted on the inside of the lid with a visible line down the centre of the mirror.	<b>Sample</b>	<b>Visual Inspection</b>				
1.2.4 The mirror must permit viewing of the compass needle alignment.	<b>Sample</b>	<b>Visual Inspection</b>				
1.2.5 A V-sight must be fitted to the top of the lid.	<b>Sample</b>	<b>Visual Inspection</b>				
1.2.6 The base of the lid hinge must have an index pointer for reading against the graduation on the dial assembly.	<b>Sample</b>	<b>Visual Inspection</b>				
<u>Base</u>						
1.2.7 The base must consist of clear plastic material 2.5" +/- 0.125" wide, 4" +/- 0.125" long and 0.156" +/- 0.125" thick.	<b>Sample and TD</b>	<b>Sample will be measured and TD will be reviewed as per Mandatory Requirements</b>				

1.2.8	The bottom of the base must be provided with a minimum of three rubber friction pads to prevent the compass from sliding on smooth surfaces.	Sample	Visual Inspection			
1.2.9	A red safety cord/lanyard must be attached to the base.	Sample	Visual Inspection			
1.2.10	A catch must be provided to retain the lid in the closed position.	Sample	Visual Inspection			
1.2.11	A metric 1/25000 and a metric 1/50000 Romer scale must be engraved on the base.	Sample	Visual Inspection			
1.2.12	The part/product/model number must be embossed or engraved on the bottom right or left hand corner of the base.	Sample	Visual Inspection			
<b>Dial assembly</b>						
1.2.13	The dial assembly must be attached to the plastic base.	Sample	Visual Inspection			
1.2.14	A gas or liquid filled capsule must house the compass needle.	Sample	Visual Inspection			
1.2.15	The capsule must be enclosed in a graduated rotating ring.	Sample	Visual Inspection			
1.2.16	The ring must be graduated on its outer edge every 2 degrees and numbered every 20 degrees from 0 to 360 degrees in a clockwise direction.	Sample	Visual Inspection			
1.2.17	The dial diameter must be 2.062" to 2.250".	Sample and TD	Sample will be measured and TD will be reviewed as per Mandatory Requirements Visual Inspection			
1.2.18	The top of the scale must be graduated with, at a minimum, the four cardinal points lettered N, E, S and W.	Sample	Visual Inspection			
1.2.19	A dial for reading magnetic deviation must be provided.	Sample	Visual Inspection			

1.2.20	The declination scale must be graduated every 2 degrees and numbered every twenty 20 degrees each side of zero 0 to ninety 90 degrees east and west.	<b>Sample</b>	<b>Visual Inspection</b>			
1.2.21	A black orienting arrow must be located on another scale directly above the declination scale which, in conjunction with the compass needle, must permit readings of bearings.	<b>Sample</b>	<b>Visual Inspection</b>			
1.2.22	The scale with the orienting arrow must be adjustable by means of an adjusting screw, so that it can be set against the declination scale for magnetic declination. Both scales must rotate with the index ring.	<b>Sample</b>	<b>Visual Inspection</b>			
1.2.23	A declination key must be provided on the safety cord/lanyard to fit the declination adjusting screw.	<b>Sample</b>	<b>Visual Inspection</b>			
<b>1.3 Light Sources</b>						
1.3.1	The compass must have the following light sources to provide illumination of scales and indices:	<b>Sample</b>	<b>Visual Inspection</b>			
1.3.2	Luminous non-radioactive painted index on the lid hinge to indicate the scales on the dial assembly;	<b>Sample</b>	<b>Visual Inspection</b>			
1.3.3	Luminous non-radioactive painted index line below the V-sight;	<b>Sample</b>	<b>Visual Inspection</b>			
1.3.4	Luminous non-radioactive lines and dots to outline the shape of the orienting arrow;	<b>Sample</b>	<b>Visual Inspection</b>			
1.3.5	Luminous non-radioactive strip down the centre of the north seeking end of the compass needle; and	<b>Sample</b>	<b>Visual Inspection</b>			
1.3.6	Luminous non-radioactive strip to indicate the back bearing.	<b>Sample</b>	<b>Visual Inspection</b>			

<p><b>1.4 Performance</b></p>	<p><b>1.4.1</b> With the compass set along the magnetic meridian on a level surface and the index ring set to zero, the following features must lie in the same vertical plane sufficient to meet the accuracy requirements outlined in sections 1.4.6, 1.4.7 and 1.4.8 below:</p> <ul style="list-style-type: none"> <li>• The base of the V in the open sight</li> <li>• The hair line in the mirror</li> <li>• The orienting arrow</li> <li>• The compass needle</li> <li>• The non-radioactive light sources, one on the sight, one on the lid hinge, one on the compass needle and one on the base for the back bearing.</li> </ul>	<p><b>Sample</b></p>	<p><b>Visual Inspection</b></p>								
<p><u>Balance of needle</u></p>	<p><b>1.4.2</b> The needle must balance in the horizontal plane or with a tilt at the North seeking pole, not exceeding 1.01 degrees depression.</p>	<p><b>Sample and TD</b></p>	<p><b>Sample will be measured and TD will be reviewed as per Mandatory Requirements</b></p>								
<p><u>Sensitivity</u></p>	<p><b>1.4.3</b> When the compass needle has been deflected first in one direction and then in the opposite direction, through an angle of at least 5.63 degrees, the total angular variation between two consecutive readings must not exceed 0.28 degrees when the compass needle comes to rest after lightly tapping the index ring not more than three times.</p>	<p><b>Sample and TD</b></p>	<p><b>Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements</b></p>								
<p><u>Tilt</u></p>											

1.4.4	The compass needle must be free to tilt through an angle of 7.03 degrees either way from the horizontal without fouling any part of the capsule.	Sample and TD	Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements			
<u>Time of swing</u>						
1.4.5	When the compass needle is deflected through an angle of 90 degrees from the magnetic meridian, the compass needle must return within 15 seconds.	Sample and TD	Physical (manual) Inspection and TD will be reviewed as per Mandatory Requirements			
<u>Accuracy</u>						
1.4.6	The total error in any magnetic bearing must meet the following after lightly tapping the index ring not more than three times:	TD	TD will be reviewed as per Mandatory Requirements			
1.4.7	The magnetic bearings taken at the four cardinal points obtained by reference to the sight, the mirror sighting line, the compass needle and the orienting arrow, must agree with those measured by a compass calibrator within $\pm 2.81$ degrees.	TD	TD will be reviewed as per Mandatory Requirements			
1.4.8	The magnetic bearings taken at the four cardinal points obtained by reference to the light source on the sight, the two light sources on the base, and the light sources on the compass needle and either side of the orienting arrow, must agree with those measured by a compass calibrator within $\pm 5.63$ degrees.	TD	TD will be reviewed as per Mandatory Requirements			
<u>1.5 Operating temperature</u>						
1.5.1	The compass must be capable of meeting all the requirements herein	TD	TD will be reviewed as per Mandatory Requirements			

listed subsequent to exposure to temperature of -40° C and +60° C.							
<b>1.6 Documentation requirements</b>							
1.6.1 Bilingual (English and French) instruction manuals must be provided with each individual compass.	<b>Sample</b>	<b>Sample will be reviewed as per Mandatory Requirements</b>					
1.6.2 A list and drawing of the compass and its major components must be provided electronically to the Technical Authority within 10 working days after contract award.	<b>CS</b>	<b>CS will be reviewed as per Mandatory Requirements</b>					

**NOTE:**

- For each requirement where “Sample” is identified in the “Compliance Required” column, Offerors must provide a sample of the proposed product addressing the mandatory requirements.
- For each requirement where “CS” (Compliance Statement) is identified in the “Compliance Required” column, Offerors must provide a compliance statement that describes in detail how the equipment offered fully complies with the requirement. Supporting documentation is requested but not essential.
- For each requirement where “TD” (Technical Document/Data) is identified in the “Compliance Required” column, Offerors must provide detailed technical documentation/data to confirm that the equipment offered fully complies with the mandatory requirement.