



**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**

**Quebec**

**K1A0S5**

**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**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du**

**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Victoria Class Integrated Contract Support/Class de Victoria  
soutien de contrat integre

455 De la Carriere Blvd - 2-SC06

Gatineau

Quebec

K1A0S5

<b>Title - Sujet</b> NOMAD System		
<b>Solicitation No. - N° de l'invitation</b> W8472-185712/B		<b>Date</b> 2019-01-31
<b>Client Reference No. - N° de référence du client</b> W8472-185712		
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VCI-005-27178		
<b>File No. - N° de dossier</b> 005vci.W8472-185712	<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 2019-03-18</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 checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bettencourt, Maria		<b>Buyer Id - Id de l'acheteur</b> 005vci
<b>Telephone No. - N° de téléphone</b> (819) 939-3255 ( )		<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**

<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>

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<b>ANNEX "A"</b>	<b>SECURITY REQUIREMENTS CHECK LIST (SRCL)</b>
<b>ANNEX "B"</b>	<b>TECHNICAL STATEMENT OF REQUIREMENT</b>
<b>ANNEX "C"</b>	<b>STATEMENT OF WORK</b>
<b>ANNEX "D"</b>	<b>CONTRACT DELIVERABLES</b>
<b>ANNEX "E"</b>	<b>BID EVALUATION PLAN</b>
<b>ANNEX "F"</b>	<b>MILESTONE PAYMENT SCHEDULE</b>
<b>ANNEX "G"</b>	<b>FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION</b>
<b>ANNEX "H"</b>	<b>DND 626 TASK AUTHORIZATION FORM</b>
<b>ANNEX "I"</b>	<b>FINANCIAL BID PRESENTATION SHEET</b>

## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of SECRET, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to Controlled Goods. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada (PWGSC).
3. The Contractor/Offeror personnel requiring access to CLASSIFIED information, assets or sensitive work site(s) must EACH hold a valid personnel security screening at the level of SECRET, granted or approved by CISD/PWGSC.
4. The Contractor/Offeror MUST NOT remove any CLASSIFIED information from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
5. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
6. The Contractor/Offeror must comply with the provisions of the:
  - a) Security Requirements Check List and security guide (if applicable), attached at Annex A
  - b) Industrial Security Manual (Latest Edition).

### **1.2 Statement of Work**

The Work to be performed is detailed at Annex C Statement of Work.

### **1.3 Controlled Goods Requirement**

A9130T      2014-11-27      Controlled Goods Program- Bid

## 1.4 Delivery

The Contractor shall deliver two (2) NOMAD systems and the two (2) sets of containers in accordance with Section 3.1 of Annex C- Statement of Work and the Contract End Items List (CEIL).

### 1.4.1 Contract End Items List (CEIL)

ITEM #	DESCRIPTION	QUANTITY	DUE DATE	LOCATIONS
01	NOMAD system	1	18 MACA	Halifax, NS
02	NOMAD system	1	22 MACA	Halifax, NS
03	Set of Containers	1	Concurrent with the delivery of the first NOMAD system	Halifax, NS
04	Set of Containers	1	Concurrent with the delivery of the second NOMAD system	Halifax, NS

## 1.5 Debriefings

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

## 1.6 Trade Agreements

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

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<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](#) (2018-05-22) 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: 60 days**

**Insert: 90 days**

#### 2.1.1 SACC Manual Clauses

B1000T      2014-06-26      Condition of Material- Bid

### 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation. Please include the front page of the solicitation document with your Bid. Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

### 2.3 Improvement of Requirement during Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 15 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

### 2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

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## 2.5 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

### 3.1 Bid Preparation Instructions

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

- Section I: Technical Bid – three (3) hard copy, and two (2) soft copy on CD,
- Section II: Financial Bid – two (2) hard copy, and one (1) soft copy on CD,
- Section III: Certifications – two (2) hard copy, and one (1) soft copy on CD,
- Section IV: Additional Information – one (1) hard copy, and one (1) soft copy on CD,

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

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will carry out the Work identified in **Annex B**-Technical Statement of Requirement, and **Annex C**- Statement of Work.

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

The Bidder must provide sufficient detail to demonstrate a thorough understanding of the scope and objectives of the work.



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Bidders must complete **Annex E**- Bid Evaluation Plan, Appendix 1 Technical Compliance Matrix. **Annex E** outlines all mandatory criteria which must be included. Bidders must indicate in the column marked "proposal references," where the requirement is detailed in their proposal and include paragraph and section numbers.

## **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the attached **Annex F**- Milestone Payment Schedule and **Annex I**- Financial Bid Presentation Sheet. The total amount of Applicable Taxes must be shown separately.

### **3.1.1 Exchange Rate Fluctuation**

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

## **Section III: Certifications**

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

## **Section IV Additional Information**

### **3.1.2 Supplier's Representative**

Canada requests that Bidders provide information for the contact person responsible for:

#### **General Information:**

Name: \_\_\_\_\_  
Telephone No: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

#### **Delivery Follow-Up:**

Name: \_\_\_\_\_  
Telephone No: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

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

### **4.1 Evaluation Procedures**

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

#### **4.1.1 Technical Evaluation**

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

In order to be compliant, Bidder's proposal must, to the satisfaction of Canada, meet all requirements and provide all information required under Part 3, Section I – Technical Bid.

All mandatory criteria must be assessed as compliant for the bidder's proposal to be considered compliant and given further consideration.

#### **4.1.2 Financial Evaluation**

A0222T      2014-06-26      Evaluation of Price - Canadian / Foreign Bidders

### **4.2 Basis of Selection**

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

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## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

### 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

### 5.2 Certifications Precedent to Contract Award and Additional Information

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

#### 5.2.1 Integrity Provisions – Required Documentation

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

#### 5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the *Employment and Social Development Canada (ESDC) - Labour's* website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "*FCP Limited Eligibility to Bid*" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex *Federal Contractors Program for Employment Equity - Certification*, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex *Federal Contractors Program for Employment Equity - Certification*, for each member of the Joint Venture.

## **PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **6.1 Security Requirements**

This document contains a Security Requirement as per **Annex A** – Security Requirement Check List (SRCL)

1. Before award of a contract, the following conditions must be met:
  - (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
  - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirements as indicated in Part 7 - Resulting Contract Clauses;
  - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful Bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, Bidders should refer to the Industrial Security Program (ISP) of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

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## PART 7 - RESULTING CONTRACT CLAUSES

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

### 7.1 Security Requirements

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid **Facility Security Clearance** at the level of **SECRET**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. This contract includes access to Controlled Goods. Prior to access, the contractor must be registered in the Controlled Goods Program of Public Works and Government Services Canada (PWGSC).
3. The Contractor/Offeror personnel requiring access to **CLASSIFIED** information, assets or sensitive work site(s) must **EACH** hold a valid personnel security screening at the level of **SECRET**, granted or approved by CISD/PWGSC.
4. The Contractor/Offeror **MUST NOT** remove any **CLASSIFIED** information from the identified work site(s), and the Contractor/Offeror must ensure that its personnel are made aware of and comply with this restriction.
5. Subcontracts which contain security requirements are **NOT** to be awarded without the prior written permission of CISD/PWGSC.
6. The Contractor/Offeror must comply with the provisions of the:
  - (a) Security Requirements Check List and security guide (if applicable), attached at Annex A
  - (b) Industrial Security Manual (Latest Edition).

### 7.2 Requirement

The Contractor must provide NOMAD systems and sets of containers in accordance with the Requirement at **Annex B**- Technical Statement of Requirement, **Annex C** - Statement of Work, and the Contractor's technical bid entitled \_\_\_\_\_, dated \_\_\_\_\_.

#### 7.2.1 Task Authorization- Additional Work Requests (AWR)

For any additional work that may be required to support this effort that would fall outside of the Firm Price contracted, but would be within the overall scope of the Work, the Work shall be authorized by DND 626 Task Authorization or by Contract Amendment.

The additional work may include, but is not limited to, field engineering support and technical investigations throughout the project and during installation, set-to-work and trials as per SOW Article **3.7**, and any other reasonable unforeseen work that may arise as a result of the requirements definition process.

##### 7.2.1.1 Task Authorization Process

The Work or a portion of the Work to be performed under the Contract will be on an "as and when requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract.

The Technical Authority will provide the Contractor with a description of the task using the DND 626 Task Authorization Form.

The Task Authorization will contain the detail of the activities to be performed, a description of the deliverables and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The Task Authorization will also include the applicable basis (bases) and methods of payment as specified in the Contract.

The Contractor must provide the Technical Authority, within 30 calendar days of its receipt, the proposed total estimated cost of performing the task and a breakdown of that cost, establishing in accordance with the Basis of Payment specified in the Contract.

The Contractor must not commence work until a Task Authorization authorized by the Procurement Authority and/or Contracting Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a Task Authorization has been received will be done at the Contractor's own risk.

#### **7.2.1.2 Task Authorization**

Any task authorization to be issued must be authorized by the Procurement Authority and Contracting Authority before issuance.

#### **7.2.1.3 Canada's Obligation - Portion of the Work - Task Authorizations**

Canada's obligation with respect to the portion of the Work under the Contract that is performed through task authorizations is limited to the total amount of the actual tasks performed by the Contractor.

#### **7.2.1.4 Task Authorization - Department of National Defence**

The administration of the Task Authorization process will be carried out by D Mar P 2-2-4. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority

### **7.3 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) (<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**

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### **7.4 Term of Contract**

#### **7.4.1 Delivery**

The Contractor shall deliver two (2) NOMAD systems and the two (2) sets of containers in accordance with Section 3.1 of Annex C- Statement of Work and the Contract End Items List (CEIL).

#### 7.4.2 Contract End Items List (CEIL)

ITEM #	DESCRIPTION	QUANTITY	DUE DATE	LOCATIONS
01	NOMAD system	1	18 MACA	Halifax, NS
02	NOMAD system	1	22 MACA	Halifax, NS
03	Set of Containers	1	Concurrent with the delivery of the first NOMAD system	Halifax, NS
04	Set of Containers	1	Concurrent with the delivery of the second NOMAD system	Halifax, NS

#### 7.4.3 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the optional goods described in Annex I- Financial Bid Presentation 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, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

#### 7.5 Authorities

##### 7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Maria Bettencourt  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch / Marine Sector

Directorate: Major Projects Directorate (Sea)  
Address: 455, Boul. de la Carrière, Gatineau, Québec J8Y 6V7

Telephone: (819) 939-3255  
E-mail address: [maria.bettencourt@tpsgc-pwgsc.gc.ca](mailto:maria.bettencourt@tpsgc-pwgsc.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.

##### 7.5.2 Procurement Authority

The Procurement Authority for the Contract is: **(To be completed at contract award)**

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

Solicitation No. - N° de l'invitation  
W8472-185712  
Client Ref. No. - N° de réf. du client  
W8472-185712

Amd. No. - N° de la modif.  
File No. - N° du dossier  
W8472-185712

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

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 the Work can only be made through a contract amendment issued by the Contracting Authority.

### 7.5.3 Technical Authority

The Technical Authority for the Contract is: **(To be completed at contract award)**

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

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

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 7.5.4 Quality Assurance Authority

National Defence Headquarters  
MGen George R. Pearkes Building  
Ottawa, ON K1A 0K2  
Attention: \_\_\_\_\_  
Telephone: \_\_\_\_\_

### 7.5.5 Contractor's Representative

General Enquiries:

Name: \_\_\_\_\_  
Telephone No: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_



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Client Ref. No. - N° de réf. du client  
W8472-185712

Amd. No. - N° de la modif.  
File No. - N° du dossier  
W8472-185712

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

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Delivery Follow-Up:

Name: \_\_\_\_\_

Telephone No: \_\_\_\_\_

Facsimile: \_\_\_\_\_

E-mail address: \_\_\_\_\_

## **7.6 Payment**

### **7.6.1 Basis of Payment- Statement of Work**

For the work described at Contract Article **7.2** Requirement, the Contractor shall be paid a firm price of \_\_\_\_\_. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

### **7.6.2 Basis of Payment – Optional Goods**

For the Optional Goods in accordance with Contract Article 7.4.3, the Contractor shall be paid the firm price described under "optional goods" in Annex I – Financial Bid Presentation of the Contract under the same conditions and at the prices and/or rates stated in the Contract.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

### **7.6.3 Basis of Payment - Task Authorizations - Additional Work Requests (AWR)**

For the Additional Work in accordance with Contract Article **7.2.1**, using Task Authorizations as and when required, the Contractor shall be paid firm rates as detailed in **Annex I-** Financial Bid Presentation Sheet.

### **7.6.4 Travel and Living Expenses**

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, and private vehicle allowances specified in Appendices B, C and D of the [National Joint Council Travel Directive](#), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees". Canada will not pay the Contractor any incidental expense allowance for authorized travel.

All travel must have the prior authorization of the Contracting Authority.

All payments are subject to government audit.

### **7.6.5 Limitation of Price – Statement of Work and Optional Goods**

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.

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## 7.6.6 Method of Payment

### 7.6.6.1 Milestone Payments - Not subject to holdback

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract if:

- a. an accurate and complete claim for payment using [PWGSC-TPSGC 1111](#), Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all the certificates appearing on form [PWGSC-TPSGC 1111](#) have been signed by the respective authorized representatives;
- c. all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

### 7.6.6.2 Optional Goods – Payment on Delivery

#### H1001C (2008-05-12) Multiple Payments

### 7.6.6.3 Task Authorizations -Additional Work Requests (AWR)

The Contractor must submit a claim for payment using form [PWGSC-TPSGC 1111](#), Claim for Progress Payment.

Each claim must show:

- a) all information required on form [PWGSC-TPSGC 1111](#); and
- b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;

Each claim must be supported by:

- a) a copy of time sheets to support the time claimed;
- b) a copy of the invoices, receipts, vouchers for all direct expenses, travel and living expenses; and
- c) a copy of the monthly progress report.

Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.

The Contractor must prepare and certify one original and two (2) copies of the claim on form [PWGSC-TPSGC 1111](#), and forward it to the Contracting Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.

The Contracting Authority will then forward the original and two (2) copies of the claim to the Procurement Authority for certification and onward submission to the Payment Office for the remaining certification and payment action. The Contractor must not submit claims until all work identified in the claim is completed.

## 7.7 SACC Manual Clauses

C0711C	2008-05-12	Time Verification
C2000C	2007-11-30	Taxes - Foreign-based Contractor
C2611C	2007-11-30	Custom Duties – Contractor Importer
C2800C	2013-01-28	Priority Rating
C2801C	2017-08-17	Priority Rating – Canadian-based Contractors

## 7.8 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.
2. Each invoice must be prepared to show:
  - a. The date;
  - b. Name and address of the consignee(s);
  - c. Item number, quantity, part number, reference number and description;
  - d. Contract Number.
3. Invoices must be distributed as follows:
  - a) The original and one (1) copy must be forwarded to the following address for certification and payment:
 

Department of National Defence  
National Defence Headquarters  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2  
Attention: D MAR P 2-1-3
  - b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
  - c) One (1) copy must be forwarded to the consignee(s):
 

CFB Halifax  
Main Warehouse  
2519 Provo Wallis Street  
Halifax, Nova Scotia  
B3K 5X5
4. Payment will only be made on receipt of satisfactory invoices duly supported by specific release documents and/or other documents called for under this contract. Invoices are not to be submitted prior to shipment of material.
5. If payment is to be made to an address other than the address on the cover page of the contract, it is to be clearly identified within the body of the contract as the "Remit To" address. This address should include the following:

Company Name: \_\_\_\_\_  
 Full Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Province/State: \_\_\_\_\_  
 Postal/Zip Code: \_\_\_\_\_

### 7.8.1 Consignees

The Contractor shall deliver the items to the following address:

Canadian Forces Base Halifax  
2519 Provo Wallis Street  
Halifax, Nova Scotia  
B3K 5X5  
Canada

## 7.9 Certifications and Additional Information

### 7.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

### 7.9.2 Federal Contractors Program for Employment Equity - Default by the Contractor

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

### 7.9.3 Insurance

G1005C      2016-01-28      Insurance

## 7.10 Applicable Laws

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

## 7.11 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A 2018-06-21, General Conditions - Goods (Medium Complexity);
- (c) Annex C, Statement of Work;
- (d) Annex B, Technical Statement of Requirement;
- (e) Annex A, Security Requirements Check List;
- (f) Annex D, Contract Deliverables
- (g) Annex E, Bid Evaluation Plan
- (h) Annex F, Milestone Payment Schedule
- (i) the Contractor's bid dated \_\_\_\_\_, as clarified on \_\_\_\_\_ or, as amended on \_\_\_\_\_

## 7.12 Defence Contract

A9006C	2012-07-16	Defence Contract
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## 7.13 Controlled Goods Program

A9131C	2014-11-27	Controlled Goods Program
B4060C	2011-05-16	Controlled Goods

## 7.14 SACC Manual Clauses

B1006C	2014-06-26	Condition of Material- Contract
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The Contractor must provide material that is new production of current manufacture supplied by the principal manufacturer or its accredited agent. The material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, that was in effect on the bid closing date.

B7500C	2006-06-16	Excess Goods
D0050C	2007-05-25	End User Certificate
D2000C	2007-11-30	Marking
D2001C	2007-11-30	Labeling
D2025C	2017-08-17	Wood Packaging Materials
D3010C	2016-01-28	Delivery of Dangerous Goods/Hazardous Products
D3015C	2014-09-26	Dangerous Goods/Hazardous Products – Labeling and Packaging Compliance
D5510C	2017-08-17	Quality Assurance Authority (Department of National Defence) – Canadian-based Contractor
D5515C	2010-01-11	Quality Assurance Authority (Department of National Defence) – Foreign- based and United States Contractor
D5545C	2010-08-16	ISO 9001:2008 – Quality Management Systems – Requirements (Quality Assurance Code C)
D5604C	2008-12-12	Release Documents (Department of National Defence) - Foreign-based Contractor
D5605C	2010-01-11	Release Documents (Department of National Defence) – United States-based Contractor
D5606C	2017-11-28	Release Documents (Department of National Defence) – Canadian-based Contractor
D6010C	2007-11-30	Palletization
D9002C	2007-11-30	Incomplete Assemblies

## 7.15 Release Documents

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- One (1) copy to the Contracting Authority;
- One (1) copy to:

National Defence Headquarters  
Mgen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A 0K2 Attention: D MAR P 2-1-3

- e. One (1) copy to the Quality Assurance Representative;
- f. One (1) copy to the Contractor; and
- g. For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration  
National Defence Headquarters  
Mgen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A 0K2  
E-mail: [ContractAdmin.DQA@forces.gc.ca](mailto:ContractAdmin.DQA@forces.gc.ca)

## **7.16 Preparation for Delivery**

### **7.16.1 Canadian-based Contractor**

1. Preservation and packaging for all items must be in accordance with the Canadian Forces packaging specification *D-LM-008-001/SF-001*, and must be marked to *D-LM-008-002/SF-001*. Form Level B **Pkg Data Form Req'd** must be in accordance with *D-LM-008-011/SF-001*.
2. Packaging data forms previously approved by Canadian authorities are acceptable.
3. Approved coded packaging data is shown immediately below the description of the item to which it applies. Where no data is shown, the Contractor must submit a packaging data form for approval

### **7.16.2 United States-based Contractor**

1. Preservation and packaging for all items must be in accordance with the current issue of *United States (U.S.) Department of Defense Military Standard MIL-STD-2073* and must be marked to *MIL-STD-129*.
2. Packaging data forms previously approved by U.S. authorities are acceptable.
3. Approved coded packaging data is shown immediately below the description of the item to which it applies. Where no data is shown, the Contractor must submit a packaging data form for approval.

### **7.16.3 European Union**

1. The Contractor must prepare all items for preservation and packaging in accordance with NATO Marking and Packaging Standards as contained in the latest issue of TL8100-0101/NATO-4.
2. The Contractor must use packaging data forms previously approved or contained in NATO-4.
3. The Contractor must ensure approved coded packaging data is shown immediately below the description of the corresponding item. Where no packaging data is shown, the Contractor must submit a packaging data form for approval.

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#### **7.16.4 Preparation for Delivery - Canadian Forces Packaging Specifications**

The Contractor must prepare the items at Annex C for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-035/SF-001*, Electrostatic Discharge Protective Packaging- Electronic Parts, Assemblies and Equipment if applicable

#### **7.17 Shipping Instructions – Delivered Duty Paid Incoterms 2000**

Goods must be consigned to the destination specified in the Contract and delivered:  
Delivered Duty Paid (DDP) as per sections 7.8.1 Consignees and 7.4.2 Contract End Items List (CEIL), Incoterms 2000 for shipments from a commercial contractor.

The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

##### **7.17.1 Transportation Costs**

The Contractor must ship the goods prepaid via \_\_\_\_\_ (insert the method of transportation) including all delivery charges to \_\_\_\_\_ (insert the named place of destination). Prepaid transportation cost must be shown as a separate item on the invoice, supported by a certified copy of the prepaid transportation bill of landing.

#### **7.18 Limitation of Liability**

Notwithstanding any other clause in the Contract but subject to the remaining provisions of this clause, any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees. Whether the claim is based in contract, tort, or another cause of action, the Contractor's liability for all damages suffered by Canada caused by the Contractor's performance of or failure to perform the Contract is limited to the full value of the Contract. This limitation of the Contractor's liability does not apply to:

- a. any infringement of intellectual property rights; or
- b. any breach of warranty obligations.

The Contractor agrees to pay to Canada the amounts of all of Canada's losses, liabilities, damages, costs, and expenses resulting from any claim made by a third party relating to the Contract, including the complete costs of defending any legal action by a third party. The Contractor agrees that Canada is not required to have satisfied its liability to the third party before the Contractor is obliged to pay Canada in respect of that liability. The Contractor also agrees, if requested by Canada, to defend Canada against any third party claims.





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SECURITY REQUIREMENTS CHECK LIST (SRCL)  
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A: CONTRACT INFORMATION / PARTIE A: INFORMATION CONTRACTUELLE			
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction	
DND		ADM(Mat)/DGMEPM	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail			
The Contractor must design, manufacture, deliver, and test the Naval Offboard anti-Missile Active Decoy system.			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada <input checked="" type="checkbox"/>		NATO / OTAN <input type="checkbox"/>	
Foreign / Étranger <input type="checkbox"/>			
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions / Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>		All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable / À ne pas diffuser <input type="checkbox"/>		No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>	
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	
7. c) Level of information / Niveau d'information			
PROTECTED A / PROTÉGÉ A <input checked="" type="checkbox"/>		NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	
PROTECTED B / PROTÉGÉ B <input checked="" type="checkbox"/>		NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>		NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	
CONFIDENTIAL / CONFIDENTIEL <input checked="" type="checkbox"/>		NATO SECRET / NATO SECRET <input type="checkbox"/>	
SECRET / SECRET <input checked="" type="checkbox"/>		COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	
TOP SECRET / TRÈS SECRET <input type="checkbox"/>			
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>			
		PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	
		PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	
		PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	
		CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	
		SECRET / SECRET <input type="checkbox"/>	
		TOP SECRET / TRÈS SECRET <input type="checkbox"/>	
		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>	

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**PART A (continued) / PARTIE A (suite)**

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?  
If Yes, indicate the level of sensitivity:  
Dans l'affirmative, indiquer le niveau de sensibilité:

☒ No ☐ Yes  
Non Oui

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?

☒ No ☐ Yes  
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel:

Document Number / Numéro du document:

**PART B: PERSONNEL (SUPPLIER) / PARTIE B: PERSONNEL (FOURNISSEUR)**

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITÉ	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input checked="" type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS SECRET
<input type="checkbox"/> TOP SECRET - SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCÈS AUX EMPLACEMENTS			

Special comments:  
Commentaires spéciaux:

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.  
REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?  
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?  
If Yes, will unscreened personnel be escorted?  
Dans l'affirmative, le personnel en question sera-t-il escorté?

☐ No ☒ Yes  
Non Oui

*ON DWD PREMISES  
UNSCREENED PERSONNEL MAY ONLY  
ACCESS PUBLIC/RECEPTION ZONES*

**PART C: SAFEGUARDS (SUPPLIER) / PARTIE C: MESURES DE PROTECTION (FOURNISSEUR)**

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?  
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes  
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?  
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?

☒ No ☐ Yes  
Non Oui

**PRODUCTION**

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?  
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?

☒ No ☐ Yes  
Non Oui

**INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)**

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?  
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes  
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?  
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?

☒ No ☐ Yes  
Non Oui

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**PART C - (continued) / PARTIE C - (suite)**

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.  
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.  
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

**SUMMARY CHART / TABLEAU RÉCAPITULATIF**

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO					COMSEC				
	A	B	C	CONFIDENTIAL  CONFIDENTIEL	SECRET	TOP SECRET  TRÈS SECRET	NATO RESTRICTED  NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET  TRÈS SECRET
											A	B	C			
Information / Assets Renseignements / Biens Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?  
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No  
Non

☐ Yes  
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".  
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?  
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No  
Non

☐ Yes  
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).  
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Government  
of Canada

Gouvernement  
du Canada

Contract Number / Numéro du contrat  
W8472-185712

Security Classification / Classification de sécurité

**PART D - AUTHORIZATION / PARTIE D - AUTORISATION**

**13. Organization Project Authority / Chargé de projet de l'organisme**

Name (print) - Nom (en lettres moulées)

Kinh Pham

Title - Titre

DNCS 6-6-2

Signature

Telephone No. - N° de téléphone  
819 939 3377

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel  
kinh.pham@forces.gc.ca

Date

31 OCT 2017

**14. Organization Security Authority / Responsable de la sécurité de l'organisme**

Name (print) - Nom (en lettres moulées)

Tippy Graham  
Senior Security Analyst

Title - Titre

Signature

Telephone No. - N° de téléphone  
Tel: 819 939 0283

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel  
tippy.graham@forces.gc.ca

Date

06 Nov 2017

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?  
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

☐ No  
☒ Yes  
Non Oui

**16. Procurement Officer / Agent d'approvisionnement**

Name (print) - Nom (en lettres moulées)

Title - Titre

Signature

Telephone No. - N° de téléphone

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel

Date

**17. Contracting Security Authority / Autorité contractante en matière de sécurité**

Name (print) - Nom (en lettres moulées)

Title - Titre

Signature

Cynthia Laverdure

Contract Security Officer

Telephone No. - N° de téléphone  
613-948-1636

Facsimile No. - N° de télécopieur

E-mail address - Adresse courriel  
cynthia.laverdure@pwgsc.gc.ca

Date

2017-11-22

# **TECHNICAL STATEMENT OF REQUIREMENT (TSOR)**

## **Naval Offboard anti-Missile Active Decoy (NOMAD) System**

**Version: 1.4**



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## **REFERENCES**

- a. MIL-STD-810: Environmental Engineering Considerations and Laboratory Tests
- b. Humpback USV-T Payload Integration Interface Control
- c. Humpback USV-T Hardpoints Drawings



### **LIST OF ACRONYMS**

ASM	Anti-Ship Missile
ASMD	Anti-Ship Missile Defence
BW	Bandwidth
CA	Contract Authority
CDRL	Contract Data Requirement List
CEIL	Contract End Item List
dB	decibel
dBW	decibel Watt
DID	Deliverable Item Description
DND	Department of National Defence
DRFM	Digital Radio Frequency Memory
DRI	Detection Recognition Identification
EA	Electronic Attack
EW	Electronic Warfare
ECP	Engineering Change Proposal
EO	Electro-Optical
ERP	Effective Radiated Power
FAT	Factory Acceptance Test
FPR	Final Progress Review
FSR	Field Service Representative
GHz	Gigahertz
GFI	Government Furnished Information
HAT	Harbor Acceptance Trial
HAZMAT	Hazardous Materials
HPoT	Horizontal Pixels on Target
HVU	High Value Unit
IAW	In Accordance With



ID	Identification
LRU	Lowest Replaceable Unit
MACA	Months After Contract Award
MOTS	Military-Off-The-Shelf
MTSC	Meggitt Training Systems Canada
MSDS	Material Safety Data Sheets
NEAR-U	Naval Electronic Attack Recapitalization - Unmanned
NOMAD	Naval Offboard anti-Missile Active Decoy
OEM	Original Equipment Manufacturer
PM	Project Manager
PA	Procurement Authority
PPB	Provisioning Parts Breakdown
PRF	Pulse Repetition Frequency
PRI	Pulse Repetition Interval
PRM	Progress Review Meeting
PSR	Project Status Report
PSPC	Public Services and Procurement Canada
PW	Pulse Width
QAR	Quality Assurance Representative
RCN	Royal Canadian Navy
RF	Radio Frequency
RGS	Range Gate Steal
RGPO	Range Gate Pull Off
RSPL	Recommended Spare Parts List
Rx	Receive
SAT	Sea Acceptance Trial
SOW	Statement of Work
SPTD	Supplementary Provisioning Technical Documentation
TA	Technical Authority
TBD	To Be Determined

TDP	Technical Data Package
TG	Task Group
TRM	Technical Review Meeting
TSOR	Technical Statement of Requirements
Tx	Transmit
USV	Unmanned Surface Vehicles
VGS	Velocity Gate Steal
VGPO	Velocity Gate Pull Off
VPoT	Vertical Pixels on Target
W	Watt

## **1 INTRODUCTION**

### **1.1 OBJECTIVE**

- 1.1.1 The objective of this Technical Statement of Requirements (TSOR) is to state the performance and technical requirements for the NOMAD system.

### **1.2 SYSTEM DESCRIPTION**

- 1.2.1 A NOMAD system is defined as a set of components designed and integrated into a Unmanned Surface Vehicle (USV) to provide jamming capability against Anti-Ship Missile threats, and as well as, radar testing and training capacity. For the purpose of this TSOR, the components of the NOMAD system are categorized into the following two groups:
  - 1.2.1.1 The mast and mast-mounted components: The mast and the components of the NOMAD system that are mounted on the mast of the USV.
  - 1.2.1.2 USV-inboard components: The components of the NOMAD system that are mounted inside the USV.
- 1.2.2 The purpose of the NOMAD system is two-fold: 1) Anti-Ship Missile Defence (ASMD) in a self-protection and Task Group (TG) setting and 2) Radar testing and Training. The NOMAD system will be integrated in existing RCN USV platforms. The USV and the NOMAD system will be launched, recovered, and remotely controlled from the Controlling Platform. Line-of-Sight control will be maintained with the Controlling Platform.
- 1.2.3 The USV platform is an existing Royal Canadian Navy (RCN) USV, with pre-defined mounting points and spaces allocated for the integration of the NOMAD system. The details of the pre-defined mounting points and allocated spaces are provided in *"Humpback USV-T Hardpoints Drawings"*.
- 1.2.4 When stowed on board the ship, the mast and the mast-mounted components will be stored in containers to allow for storage of USVs in their current stacked configuration. The USV-inboard components will remain inside the USV. For launching operations, the mast and the mast-mounted components of the NOMAD system will be installed on the USV, on board the ship before launching. Conversely, the USV with the NOMAD system will be recovered from the sea. Once on board the ship, the mast and mast-mounted components of the NOMAD system will be removed from the USV and prepared for storage.

## **2 SYSTEM REQUIREMENTS**

### **2.1 GENERAL CAPABILITIES**

- 2.1.1 The jammer module of the NOMAD system must be Military-Off-the-Shelf (MOTS) equipment. The jammer module generates Radio Frequency (RF) jamming signals and provides the Electronic Warfare (EW) techniques. It includes, but not limited to, Digital Radio Frequency Memory (DRFM) and up/down converters.
- 2.1.2 The jammer module of the NOMAD system must be or must have been operational on at least one mobile platform supporting military operations<sup>1</sup>.
- 2.1.3 The NOMAD system must be designed such that the users can program the system with the appropriate jamming response, based on the provided documentation on the theory of operation of the system.
- 2.1.4 The NOMAD system must be mechanically integratable to the existing RCN USV platform, with pre-defined mounting points and allocated spaces as provided in *“Humpback USV-T Hardpoints Drawings”*.
- 2.1.5 The NOMAD system must be electrically integratable to the existing RCN USV platform in accordance with *“Humpback USV-T Payload Integration Interface Control”*.
- 2.1.6 The NOMAD system must be modular such that it can be fitted on the USV, utilizing the mast assembly and the allocated spaces inside the USV. The locations of the mounting points and available spaces inside the USV are provided in *“Humpback USV-T Hardpoints Drawings”*.
- 2.1.7 The mast and mast-mounted components of the NOMAD system must be able to be manually mounted onto the USV or removed from the USV by a maximum of two (2) trained personnel and within 1 hour.
- 2.1.8 The mast and mast-mounted components of the NOMAD system must be able to be stored onboard and transported securely in waterproof, stackable, impact-resistant, and durable containers. Each container together with its contents must be less than 1500 mm (L) x 750 mm (W) x 500 mm (D) in dimensions and weight no more than 40 kg.
- 2.1.9 The NOMAD system must be able to receive and to provide minimum transmit Effective Radiated Power (ERP) throughout the required azimuthal and elevation coverage while the USV is maneuvering. The required azimuthal coverage is 360 degrees. The required elevation coverage is  $\pm 15$  degrees about the horizon.
- 2.1.10 The NOMAD system must include modular real-time, trainable, and stabilized video surveillance capability.

---

<sup>1</sup> Military operation is an activity or a series of activities related to the carrying out of a strategic, operational, tactical, service, training, or administrative military mission.

- 2.1.10.1 The video surveillance capability must include, at a minimum, a daylight Electro-Optical (EO) camera.
- 2.1.10.2 The video surveillance capability must have a variable continuous zoom.
- 2.1.10.3 The video surveillance capability must provide the DRI (Detection Recognition Identification) level for Detection of at least 4 VPoT (Vertical Pixels on Target) and 7 HPoT (Horizontal Pixels on Target) for the target of dimensions 1m x 1.75m, at a range of 2000m, in day condition.
- 2.1.10.4 The video surveillance capability must provide the DRI level for Recognition of at least 16 VPoT and 28 HPoT for the target of dimensions of 1m x 1.75m, at a range of 1500m, in day condition.

## **2.2 NOMAD REQUIREMENTS**

- 2.2.1 The NOMAD system must have built-in test capability to verify the health status of the NOMAD system and confirm the integrity of the RF transmit and receive operations before launch.
- 2.2.2 The NOMAD system must be capable of recording information about the performance of the NOMAD system. The information to be recorded must include, but not limited to, on/off times, EW techniques used, operating frequency, and designated threat information such as Identification (ID) and frequency.
- 2.2.3 The NOMAD system must be capable of operating continuously in stand-by mode for no less than 12 hours at a time. Stand-by mode is a mode in which the NOMAD system is powered on and is ready for Radio Frequency (RF) Tx/Rx operations.
- 2.2.4 The NOMAD system must be designed for and capable of achieving the following physical requirements specified Table 1 – NOMAD System Physical Requirements.

**Table 1 – NOMAD System Physical Requirements**

<b>No.</b>	<b>Characteristics</b>	<b>Requirement</b>	<b>Notes</b>
1	Antenna Height	1.5 m or higher	Height of antenna above the gunnel of the USV.
2	Total Weight of the NOMAD system.	< 125 kg	Total weight of the mass, mass-mounted components, and USV-inboard components.  The requirement of Total Weight (2.2.4 Line No. 2) has to be satisfied prior to considering the requirements of Weight of the mast and mast-mounted components (2.2.4 Line No. 3) and Weight of USV-inboard components (2.2.4 Line No. 4).

3	Weight of the mast and mast-mounted components	< 55 kg	Total weight of the mast and all mass-mounted components.
4	Weight of USV-inboard components	< 75 kg	Total weight of all USV-inboard components, including cables and components' mounts.
5	Power Input	< 1000 W	Total power input requirement for all components.  (As the largest power drain is the high powered amplifier, the system should be able to operate at lower levels for the majority of the time when the NOMAD system is in standby mode.)

- 2.2.5 The NOMAD system must provide DRFM-based jamming capability and be capable of achieving the following performance requirements specified in Table 2 - NOMAD System Performance Requirements.

**Table 2 - NOMAD System Performance Requirements**

No.	Characteristics	Requirement	Notes
1	Tunable Frequency	8 – 17 GHz	
2	Effective Radiated Power (ERP)	> 30 dBW	At either a horizontally or vertically polarized target.  100 % duty cycle.
3	Antenna Isolation	Yes	Must be sufficient to prevent feedback (Ring-Around).
4	Antenna Stabilization	Yes	Must be sufficient to accommodate $\pm 15$ degrees roll about the horizon at rate up to 50 deg/sec while maintaining ERP at the horizon.
5	Instantaneous Bandwidth	$\geq 500$ MHz	
6	Receiver Dynamic Range	> 55 dB	
7	Receiver Sensitivity	< -85 dBW	The point of Receiver Sensitivity is at the face of the receive antenna.
8	Transmit Spurious Signal Level	< -15 dBC	

9	Pulse Repetition Frequency (PRF) Range	200 Hz to 20 KHz	
10	Pulse Width	50 ns to CW	
11	Range Offset	-70 $\mu$ s to +70 $\mu$ s	
12	Range Offset Resolution	< 25 ns	
13	Doppler Range	$\pm$ 25 MHz	This parameter refers to the ability to replicate pulses that contain frequency modulations (or frequency excursions) up to this quantity.
14	Doppler Resolution	< 30 Hz	
15	Number of Primary Independent Targets	$\geq$ 4	False target generation.
16	Number of Secondary targets per Primary	$\geq$ 32	
17	Minimum Throughput Delay	< 400 ns	

2.2.6 The NOMAD system must be designed for and capable of providing the following programmable and callable EW techniques as specified in Table 3 - EW Techniques Requirements.

**Table 3 - EW Techniques Requirements**

No.	EW Techniques	Requirement	Notes
1	Jamming Mode	- Both coherent and non-coherent mode	- Coherent Jamming mode is the mode in which the NOMAD system generates and transmits coherent jamming signals by manipulating the amplitude and/or phase of the received signal.
2	Wideband Noise (with programmable bandwidth)	- EW techniques Requirement - Noise BW programmable from 1 MHz to at least 250 MHz, in 1MHz step	- Tuneable frequency is from 8 GHz to 17 GHz.
3	Noise Cover Pulse	- EW techniques Requirement	

4	Range Gate Steal (RGS)	- EW techniques Requirement	
5	Target Generation	- EW techniques Requirement	- Multiple repeat of partial or whole captured pulse with amplitude modulation.
6	Frequency Shift	- EW techniques Requirement	
7	Multiple False Targets	- EW techniques Requirement	- Asynchronous and synchronous.

### 2.3 INTERFACE REQUIREMENTS

- 2.3.1 The NOMAD system must have an external wireless interface and a shipboard control station that are capable of two-way wireless transmission of control signals and data over a minimum distance of 2000 meters.
- 2.3.2 The NOMAD system must be capable of operating and conducting all assigned tasks simultaneously with another operating NOMAD system that is controlled from the same Controlling Platform.
- 2.3.3 The bearing information on the jamming designation that the Controlling Platform provides to the NOMAD system will be true bearing. Other information that can be provided to the NOMAD system includes Threat ID, Threat Frequency, and Technique Number.
- 2.3.4 The NOMAD system must be able to radiate the jamming signal in the desired direction in less than three (3) seconds after receiving the command and designation information from the Controlling Platform.

### 2.4 ENVIRONMENTAL REQUIREMENTS

- 2.4.1 The NOMAD system must be capable of operating and conducting all assigned tasks in the shipboard Electromagnetic Interference (EMI) environment, without interfering with the existing shipboard systems on the Controlling Platform.
- 2.4.2 The NOMAD system must be capable of operating and conducting all assigned tasks under the operating environment described in Table 4 - Operating Environment.

**Table 4 - Operating Environment**

<b>Operating Environment</b>				
<b>No.</b>	<b>Environmental Characteristics</b>	<b>Max</b>	<b>Min</b>	<b>Recommended Test Method</b>
1	Free Air Temperature	+37C	-20C	Mil-Std 810



2	Relative Humidity	95%	0%	Mil-Std 810
3	Rain	0.8 mm per minute		
4	Drip	IAW Procedure III, Method 506.5 of Mil-Std 810		Mil-Std 810
5	Maximum Platform Accelerations	17 g		
6	Sea State	3	0	See Appendix 1 for the definition of sea state in terms of wave height and wind conditions.

2.4.3 The NOMAD system must be operable without degradation after being exposed to the surviving environment described in Table 5 - Surviving Environment.

**Table 5 - Surviving Environment**

<b><i>Surviving Environment</i></b>				
<b><i>No.</i></b>	<b><i>Environmental Characteristics</i></b>	<b><i>Max</i></b>	<b><i>Min</i></b>	<b><i>Recommended Test Method</i></b>
1	Free Air Temperature	48C	-20C	Mil-Std 810
2	Relative Humidity	100%	0%	Mil-Std 810
3	Salt Fog	IAW Method 509.5 of Mil-Std 810		Mil-Std 810
4	Sea State	4	0	See Appendix 1 for the definition of sea state in terms of wave height and wind conditions.

## **2.5 INFORMATION SECURITY REQUIREMENTS**

- 2.5.1 The NOMAD system must have services to protect sensitive information. Services or functions such as data encryption, self-destruct, or self-wiping function may be employed.

## APPENDIX 1 – DEFINITION OF SEA STATE

Table 6 – Definition of Sea State

Sea State	Significant Wave Height (m)	Modal Wave Period (sec)			
		Open Ocean		Littoral	
		T <sub>5%</sub>	T <sub>95%</sub>	T <sub>5%</sub>	T <sub>95%</sub>
3	1.25	6.3	14.8	5.1	11.8
4	2.5	6.9	15.2	6.5	12.7
5	4	8.3	15.5	8.2	13.6
6	6	10.3	16.2	9.3	13.6
7	9	13.1	18.5	11	17.1
8	14	16.4	18.6	--	--
9	17.7	20	25.7	--	--
<p>The Bretschneider spectrum shall be used for Open Ocean seaways. The JONSWAP spectrum (gamma=2) shall be used for Littoral seaways.</p> <p>Steady mean ambient wind speed, acting concurrently with the waves, shall be taken as:  <math>1.823H_s + 3.45</math> (m/sec) at 19.5 m elevation, where <math>H_s</math> is the significant wave height.</p>					

# **STATEMENT OF WORK**

## **Naval Offboard anti-Missile Active Decoy (NOMAD) System**

**Version: 1.4**

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## **1 SCOPE**

### **1.1 OBJECTIVE**

- 1.1.1 The Department of National Defence (DND) has a requirement to procure NOMAD systems that are designed to function in a marine environment with an existing Royal Canadian Navy (RCN) Unmanned Surface Vehicle (USV).

### **1.2 BACKGROUND**

- 1.2.1 The NEAR-U (Naval Electronic Attack Recapitalization – Unmanned) project is one of the initiatives to revitalize the Electronic Attack (EA) capability. The goal of NEAR-U project is to implement and test a potential solution to improve the naval platform's survivability by incorporating a NOMAD system into an Unmanned Surface Vehicle (USV) platform. DND will procure and integrate NOMAD systems into existing RCN Unmanned Surface Vehicles. The NOMAD system will be tested and evaluated as off-board active decoys or jammers for ship and task group Anti-Ship Missile Defence, as well as Electronic Warfare (EW) test set for radar testing and training.

### 1.3 LIST OF ACRONYMS

ASM	Anti-Ship Missile
ASMD	Anti-Ship Missile Defence
BITE	Built-In Test Equipment
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SPTD	Supplementary Provisioning Technical Documentation
TA	Technical Authority
TBD	To Be Determined
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TG	Task Group
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Tx	Transmit
USV	Unmanned Surface Vehicles
VGS	Velocity Gate Steal
VGPO	Velocity Gate Pull Off
VPoT	Vertical Pixels on Target
W	Watt

## **2 APPLICABLE DOCUMENTS**

### **2.1 APPLICABILITY**

- 2.1.1 The following documents support the SOW and must be considered as supplemental if not specifically identified in the text. In an event of conflicts between the documents referenced below and the content of this SOW, the content of this SOW must take precedence. Where no versions or effective date of any reference is given, the applicable version or effective date at the time of the Contract Award must be used.

### **2.2 DND PUBLICATIONS**

1	C-01-100-100/AG-005, Adoption of Commercial and Foreign Government Publications
2	C-01-100-100/AG-006, Writing, Format, and Production of Technical Publications
3	C-01-000-103/AG-000, Guide to the Canadian Government Cataloguing System
4	C-02-006-009/AG-000, Field and Technical Service Representatives (FSR/TSR) Requirements and Terms of Reference
5	D-01-400-001/SG-000, Engineering Drawing Practices
6	D-01-400-002/SF-000, Drawings, Engineering, and Associated Lists
7	D-01-100-226/SF-001, Specification for Preparation of Test Sheets for Shipboard Systems and Equipment
8	D-01-100-202/SF-000, Preparation of Equipment Descriptions
9	D-01-100-203/SF-000, Preparation of Operation Instructions
10	D-01-100-214/SF-000, Preparation of Provisioning Documentation for Canadian Forces Equipment

### **2.3 OTHER PUBLICATIONS**

1	MIL-STD-810, Environmental Engineering Considerations and Laboratory Tests
2	Humpback USV-T Payload Integration Interface Control
3	Humpback USV-T Hardpoints Drawings

### **3 REQUIREMENTS**

#### **3.1 GENERAL**

- 3.1.1 The Contractor must supply two (2) NOMAD systems that meet the requirements of the Technical Statement of Requirements (TSOR) and are to be delivered in accordance with the Contract End Items List (CEIL).
- 3.1.2 The Contractor must carry out all of the work required to design, manufacture, deliver, and test NOMAD systems which meet the specifications of the TSOR.
- 3.1.3 The Contractor must provide waterproof, stackable, impact-resistant, and durable containers for onboard storage and transportation of the mast-mounted components of the NOMAD system.
- 3.1.4 The Contractor must provide Material Safety Data Sheets (MSDS) for all parts, assemblies and components that contain Hazardous Materials (HAZMAT).
- 3.1.5 The Contractor must deliver all documentation in Microsoft Office 2013 or Adobe Portable Document Format

#### **3.2 PROGRAM MANAGEMENT (PM)**

- 3.2.1 The Contractor will assign a Project Manager (PM), placing the authority and responsibility for overall project management under a single point of contact. The PM must ensure the timely and efficient allocation of the Contractor's resources to meet the requirements of the SOW. The PM must have full responsibility for the operations of the Contractor and its sub-Contractors in the performance of the Work and must be authorized to accept on behalf of the Contractor any notice, consent, order, direction, decision or other communication that may be given to the Contractor.
- 3.2.2 The Contractor must provide a preliminary project schedule, as per DID PM-001, indicating the sequence and completion dates of project milestones, deliverables, and project tasks based on Contract Award as "day 0".
- 3.2.3 Kick-Off Meeting: Within one month of Contract Award, the Contractor must conduct a project Kick-Off Meeting, as per DID PM-002, at the Contractor's facility. The discussions must include but not be limited to:
  - 3.2.3.1 The Project Schedule and Milestones;
  - 3.2.3.2 The Technical Specification;
  - 3.2.3.3 Critical path activities;
  - 3.2.3.4 Plans for the upcoming activities;
  - 3.2.3.5 Risk management concerns and mitigation actions; and

- 3.2.3.6 Any other contractual or programmatic issues associated with the project as mutually agreed between the Technical Authority (TA), Procurement Authority (PA), Public Services and Procurement Canada (PSPC) Contracting Authority (CA) and the Contractor.
- 3.2.4 Progress Review Meetings (PRM): The Contractor must hold, at the minimum, one (1) PRM meeting per year, at the Contractor's facility or at DND location. The locations, dates, and times for meetings will be mutually agreed on by the TA, PA, PSPC CA, and the Contractor. The PRM meeting will address the following:
- 3.2.4.1 Discussions on progress to date of the work.
- 3.2.4.2 Variation from planned progress and the corrective actions to be taken during the next reporting period.
- 3.2.4.3 Discussions of foreseeable problems and proposed solutions, including an assessment of their impact on the Contract in terms of schedule, technical performance and risks.
- 3.2.5 Technical Review Meetings (TRM): The Contractor must host a TRM meeting no later than 6 months after Contract Award or as mutually agreed on by the TA. TRMs may be held more frequently at the request of the DND TA or the Contractor, should the need arise. Best effort should be made to have the TRM scheduled immediately preceding the PRM.
- 3.2.6 Minutes - The Contractor must keep Minutes as per DID PM-003, for all meetings. The Minutes will record the content of the meeting including agreements reached and action items. A draft copy of the Minutes will be distributed to the PSPC CA, DND TA, and PA for review within five (5) working days after the meeting. Comments will be provided to the Contractor, within five (5) working days after the receipt of the draft copy, to be incorporated for distribution and signature by the PSPC CA, DND TA, and PA. For the TRMs, only the DND TA signature is required.
- 3.2.7 Progress Report - The Contractor must monitor the progress of the project and deliver Project Status Reports (PSR's) according to DID PM-004.

### **3.3 INTEGRATION**

- 3.3.1 The Contractor must design the NOMAD system to be mechanically integratable to the existing RCN's USV platform, with pre-defined mounting points and spaces allocated for the integration of the NOMAD system. The details of the mounting points and allocated spaces are provided in "*Humpback USV-T Hardpoints Drawings*".
- 3.3.2 The Contractor must design the NOMAD system to be electrically integratable to the existing RCN's USV platform in accordance with "*Humpback USV-T Payload Integration Interface Control*".
- 3.3.3 The Contractor must conduct the system engineering activities to produce a design that integrates the NOMAD system into the USV platform in accordance with the TSOR.

### **3.4 TEST AND TRIALS**

- 3.4.1 Factory Acceptance Tests (FAT): The Contractor must provide copies of the FAT procedures and the expected test results consistent with DID FAT-001.
  - 3.4.1.1 The FAT must be conducted by the Contractor for each NOMAD system and may be witnessed by DND TA or DND-authorized representatives.
  - 3.4.1.2 Upon completion of the FAT activities, the Contractor must provide a trial report in accordance with DID TR-001 to report the results of the trial for each system unit to DND prior to its shipment.
- 3.4.2 Harbour Acceptance Trials (HATs): The Contractor must provide HAT procedures to verify the installation and integration of each NOMAD system into the USV, in accordance with DID HAT-001.
  - 3.4.2.1 The Contractor must conduct HAT on a minimum of one NOMAD system as installed on the existing RCN's USV platform. The location of HAT will be on either East coast or West coast and will be determined by DND TA.
  - 3.4.2.2 Upon completion of the HAT activities, the Contractor must provide a trial report in accordance with DID TR-001 to report the results of the trials.

### **3.5 TRAINING AND TRAINING MATERIALS**

- 3.5.1 Operator's and Maintainer's Course: The Contractor must conduct an operator-maintainer training course. The course must be offered at DND facilities, within the time period agreed by DND TA and the Contractor.
  - 3.5.1.1 The course must accommodate a class size up to 10 students.
  - 3.5.1.2 The course must provide theory, operation instructions, and maintenance instructions.
  - 3.5.1.3 The course must include interpretation of fault codes, where applicable, and carrying out Level 1 and Level 2 repairs using a deliverable spares kit, if applicable.
  - 3.5.1.4 The course must include instructions and precautions to be observed in order to reduce downtime and improve the availability of the system.
  - 3.5.1.5 Training Materials: The Contractor must supply all training materials in accordance with DID TRG-002. The supplied material must be used to conduct operator and shipboard maintenance courses for the ship's personnel by DND instructors.
  - 3.5.1.6 Course Reports: The Contractor must prepare Training Course Activity Reports for the Operator and Maintainer courses in accordance with DID TRG-001.

### **3.6 INTEGRATED LOGISTIC SUPPORT**

- 3.6.1 The Contractor must provide Provisioning Documentation, including the Provisioning Parts Breakdown (PPB), Recommended Spare Parts List (RSPL), and Supplementary Provisioning Technical Documentation (SPTD) in accordance with DID PD-001.
- 3.6.2 The Contractor must supply operation and maintenance manuals, modified to reflect the delivered NOMAD system configuration, in accordance with DID PUB-001.
- 3.6.3 The Contractor must prepare and deliver the Technical Data Package (TDP) in accordance with DID TDP-001.

### **3.7 TECHNICAL SUPPORT**

- 3.7.1 The Contractor may be tasked to provide field engineering support and technical advice throughout the project. The conditions requiring technical support may include:
  - 3.7.1.1 Engineering support;
  - 3.7.1.2 Technical investigations;
- 3.7.2 In the condition of equipment malfunctions or damage, the Contractor may be tasked to investigate any malfunction. The TA must be notified within five (5) working days from the time the Contractor determines the root cause of the damage. A copy of the Contractor's internal investigation must be sent to the TA.
- 3.7.3 The Contractor must submit an Activity Report after the completion of the work, in accordance with DID FSR-001.

## **CONTRACT DELIVERABLES**

**Version: 1.2**

# 1 CONTRACT DATA REQUIREMENT LIST (CDRL)

DID #	DESCRIPTION	SOW PARA	DUE DATE	QTY	DND REVIEW PERIOD	NOTES
PM-001	Project Schedule and Milestones	3.2.2	Bid Proposal 2 MACA – Subsequent Submission	2 hard copies 1 soft copy	20 working days following each submission	The initial submission will be used for evaluation purposes. Subsequent submission or revisions are subject to Canada approval.
PM-002	Meeting Agendas	3.2.3	10 working days prior to meeting	1 soft copy	5 working days following each submission	
PM-003	Meeting Minutes	3.2.6	5 working days after the meeting	1 soft copy	5 working days following each submission	The submission is subject to Canada approval.
PM-004	Progress Report	3.2.7	2 MACA, every four months thereafter or as requested by DND	1 soft copy	10 working days following each submission	
FAT-001	Factory Acceptance Tests Procedure	3.4.1	10 MACA – Draft FAT test procedure 20 working days prior to the FAT event - Final copies	1 soft copy	20 working days following each submission	Draft to DND for Review and Recommendation. Subsequent submission or revisions are subject to DND approval.
HAT-001	Harbour Acceptance Trials Procedure	3.4.2	12 MACA – Draft HAT trial procedure 20 working days prior to the HAT event - Final copies	1 soft copy	20 working days following each submission	Draft to DND for Review and Recommendation. Subsequent submission or revisions are subject to DND approval.
TR-001	Trials Report	3.4.1.2, 3.4.2.2	10 working days after trial completion.	1 soft copy	20 working days following each submission	The submission is subject to DND approval.
TRG-001	Training Course Activity Report	3.5.1.6	10 working days after course completion	1 soft copy	10 working days following each submission	



TRG-002	Training Materials	3.5.1.5	60 working days prior to courses – Draft copies  20 days prior to courses – Final copies	3 hard copies 1 soft copy 1 CD	15 working days following each submission	The submission is subject to DND approval.
PD-001	Provisioning Documentation	3.6.1	12 MACA	1 hard copy 1 soft copy	15 working days following each submission	
PUB-001	Operational and Technical Manuals	3.6.2	60 working days prior to courses – Draft copies 20 working days prior to the first training course - Final copies	6 hard copies 1 soft copy	15 working days following each submission	Draft to DND for Review and Recommendation. Subsequent submission or revisions are subject to DND approval.
TDP-001	Technical Data Package	3.6.3	12 MACA	2 hard copies 1 soft copy 1 CD	20 working days following each submission	
FSR-001	FSR Activity Report	3.7.3	10 working days after FSR Visit	1 soft copy	10 working days following each submission	

**Table 1 – Contract Data Requirement List (CDRL)**

## **2 DELIVERABLE ITEM DESCRIPTIONS (DID)**

### **DID PM-001**

1. TITLE <b>Project Schedule and Milestones</b>		2. IDENTIFICATION NUMBER <b>PM-001</b>	
3. DESCRIPTION  <b>The Project Schedule and Milestones provides details on how the proposed work to be organized, scheduled, and monitored.</b>			
4. APPROVAL DATE <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP <b>SOW paragraphs 3.2.2</b>			
8. ORIGINATOR <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS		
10. PREPARATION INSTRUCTIONS  <b>10.1 The Project Schedule and Milestones may be prepared in the Contractor's format.</b>  <b>10.2 The Project Schedule and Milestones must be provided, detailing milestones, tasks, and resource allocation. The critical path must be clearly identified.</b>			

**DID PM-002**

1. TITLE <b>Meeting Agenda</b>		2. IDENTIFICATION NUMBER <b>PM-002</b>	
3. DESCRIPTION  <b>The Meeting Agenda provides an outline of purpose and topic areas to be formally discussed at the meeting</b>			
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.2.3</b>			
8. ORIGINATOR  <b>DNCS 6-6-2</b>		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> <b>10.1</b> The Meeting Agenda may be prepared in the Contractor's format and must include, at the minimum, the following information: <ul style="list-style-type: none"> <li>a. Purpose of meeting;</li> <li>b. Time, date, location, and expected duration of review meeting;</li> <li>c. Topics to be discussed;</li> <li>d. Contractor attendees;</li> <li>e. Subcontractor attendees (if required);</li> <li>d. List of data items and documents to be reviewed or provided to support the review process. Adequate copies of all such data and documentation shall be provided to facilitate progress of the review;</li> <li>e. Review and acceptance of the minutes of the previous meeting;</li> <li>h. Review progress by the contractor. This item should include a brief description of progress on action items, if any, identified at the last review; and</li> <li>f. Other pertinent information such as security requirements, if laboratory visits are planned or other relevant information that would assist attending personnel.</li> </ul> </div>			

**DID PM-003**

1. TITLE <b>Meeting Minutes</b>		2. IDENTIFICATION NUMBER <b>PM-003</b>	
3. DESCRIPTION <b>The Meeting Minutes reports on the results of meetings between Canada and the Contractor.</b>			
4. APPROVAL DATE <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP <b>SOW paragraphs 3.2.6</b>			
8. ORIGINATOR <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS		
10. PREPARATION INSTRUCTIONS			
<p>10.1 The Meeting Minutes may be prepared in the Contractor's format.</p> <p>10.2 The Meeting Minutes and associated meeting deliverables are not final versions until formally accepted by Canada.</p> <p>10.3 The Meeting Minutes must include, at the minimum, the following information:</p> <ul style="list-style-type: none"> <li>a. A copy of the approved agenda;</li> <li>b. Name, organization, e-mail address, and title of each person that attended the meeting;</li> <li>c. Dates and location of the meeting;</li> <li>d. A record of discussion of all items tabled and action taken;</li> <li>e. Specific identification of action items arising from discussions, including the name and appointment of each person required to take action on outstanding items and a scheduled time for response;</li> <li>f. The proposed date, time and location of any follow-up meeting;</li> <li>g. Review and acceptance of the minutes of the previous meeting.</li> <li>h. Copies of all data and information tabled at the meeting appended to the minutes.</li> </ul> <p>10.4 The Meeting Minutes must include a disclaimer that the minutes are a record of discussions only and do not constitute approval for contractual changes.</p>			

**DID PM-004**

1. TITLE <b>Progress Report</b>		2. IDENTIFICATION NUMBER <b>PM-004</b>	
3. DESCRIPTION <b>Progress Report provides a high level overview of the status of the project.</b>			
4. APPROVAL DATE <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP <b>SOW paragraphs 3.2.7</b>			
8. ORIGINATOR <b>DNCS 6-6-2</b>		9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> <p>10.1 The Progress Report may be prepared in the Contractor's format.</p> <p>10.2 The Progress Report must include the following information:</p> <ul style="list-style-type: none"> <li>a. A narrative report providing sufficient detail to enable the Contracting Authority and Technical Authority to evaluate the progress of the work;</li> <li>b. Risk Management activities. Significant problems encountered together with recommended course of action;</li> <li>c. Schedule status, Schedule changes, and planned activities for the next reporting period;</li> <li>d. A summary of Engineering Change Proposals (ECP) status including the identification of ECP's being proposed, having been approved, or having been implemented;</li> <li>e. Running summary of hardware, software, and system observations and problems that have been opened;</li> <li>f. Status of outstanding action items;</li> <li>g. Review and acceptance of the minutes of the previous meeting.</li> </ul> </div>			

**DID FAT-001**

1. TITLE  <b>Factory Acceptance Test (FAT) Procedures</b>	2. IDENTIFICATION NUMBER  <b>FAT-001</b>	
3. DESCRIPTION  This document describes the procedure and test steps of Factory Acceptance Tests which verify that each system meets the requirements of SOW and TSOR at the Contractor's facility.		
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE  
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.4.1</b>		
8. ORIGINATOR  <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS  <b>D-01-100-226/SF-001</b>	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;">           10.1 The FAT procedure must define the overall system performance requirements that the system must meet in order to satisfy the requirements of the SOW.             10.2 The FAT procedure must be provided to the TA in accordance with the CDRL.             10.3 The requirements described in specification D-01-100-226/SF-001 may be used as guidance.             10.4 The FAT procedure must include, but not be limited, to the following:           <ul style="list-style-type: none"> <li>a. Safety Instructions;</li> <li>b. Lists of test equipment and descriptions of the equipment;</li> <li>c. Prerequisite tests;</li> <li>d. Power requirements;</li> <li>e. Set-up instructions;</li> <li>f. Test arrangements with block diagrams;</li> <li>g. BITE, Alarm, and performance test;</li> <li>h. Signature sheets; and</li> <li>i. Data recording sheets with expected results.</li> </ul> </div>		

**DID HAT-001**

1. TITLE <b>Harbour Acceptance Trial (HAT) Procedure</b>		2. IDENTIFICATION NUMBER <b>HAT-001</b>	
3. DESCRIPTION  This document describes the procedure and test steps of Harbour Acceptance Trial which verify that the system has been integrated correctly, is functional, and meets the specified performance on a USV platform operating in a sea environment.			
4. APPROVAL DATE <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP <b>SOW paragraphs 3.4.2</b>			
8. ORIGINATOR <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS <b>D-01-100-226/SF-001</b>		
10. PREPARATION INSTRUCTIONS  10.1 The HAT procedure must define the tests to verify the performance of the NOMAD system, integrated into the USV.  10.2 The HAT procedure must be delivered to the TA in accordance with the CDRL.  10.3 The requirements described in specification D-01-100-226/SF-001 may be used as guidance.  10.4 The HAT procedure must verify that: a. Key physical and functional characteristics of the system are compliant with the SOW and TSOR. b. The installation and integration of the NOMAD system in the USV are in accordance with the design.  10.5 The HAT procedure must include, but not be limited, to the following: a. Safety Instructions; b. Lists of test equipment and descriptions of the equipment; c. Prerequisite tests; d. Power requirements; e. Set-up instructions; f. Test arrangements with block diagrams; g. BITE, Alarm, and performance test; h. Signature sheets; and i. Data recording sheets with expected results.			

**DID TR-001**

1. TITLE  <b>Trial Report</b>	2. IDENTIFICATION NUMBER  <b>TR-001</b>	
3. DESCRIPTION  The Trial Report provides the results and data generated from the execution of trials. The reports also include the description of the discrepancies with respect to intended system functionality and corrective actions implemented.		
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE  
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.4.1.2, 3.4.2.2</b>		
8. ORIGINATOR  <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS  	
10. PREPARATION INSTRUCTIONS  10.1 The Trial Report must include: <ul style="list-style-type: none"> <li>a. The purpose of the trial;</li> <li>b. Any deviations from the Trial Plan and Procedures are to be detailed and explained;</li> <li>c. Explanation and analysis of any test result deviation based on the data collected during the trial;</li> <li>d. Explanation and description of the corrective action take for each failure or discrepancy;</li> <li>e. Record of all trial data, trial plan and procedure, and data sheets as annex to the report;</li> <li>f. A Check List in Contractor's format, identifying all failed LRUs as well as the version of software used.</li> </ul>		



**DID TRG-001**

1. TITLE  Training Course Activity Report	2. IDENTIFICATION NUMBER  TRG-001	
3. DESCRIPTION  This document provides a report on the completion, a summary of the conduct of the course, and assessments from the students.		
4. APPROVAL DATE  TBD	5. OFFICE OF PRIMARY INTEREST  DNCS 6-6	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP  SOW paragraphs 3.5.1.6		
8. ORIGINATOR  DNCS 6-6-2	9. APPLICABLE FORMS	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> 10.1 The Training Course Activity Report may be prepared in the Contractor's format.   10.2 The Training Course Activity Report must include at least the following information: <ul style="list-style-type: none"> <li>a. Name(s) of the instructor(s) who conducted the training course;</li> <li>b. Date(s) course was conducted;</li> <li>c. Name(s) of trainees in attendance;</li> <li>d. Brief summary of the course content with a list of any problems with the conduct, location, or course timing;</li> <li>e. Summary of the student critiques;</li> <li>f. Copy of the course training package.</li> </ul> </div>		

**DID TRG-002**

1. TITLE  <b>Training Materials</b>	2. IDENTIFICATION NUMBER  <b>TRG-002</b>	
3. DESCRIPTION  <b>Training Materials must be prepared and delivered for each Operator's and Maintainer's course.</b>		
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE  
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.5.1.5</b>		
8. ORIGINATOR  <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS  	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;">           10.1 The Training Materials may be prepared in the Contractor's format.             10.2 The Training Materials must, as a minimum, include the following:                a. Lesson plans;                b. Instructor guides;                c. Student guides;                d. Course critiques;             10.3 The following may be provided only if necessary to support training routines:                a. Video presentations;                b. Interactive software;                c. Models;                d. Training firmware.         </div>		

**DID PD-001**

1. TITLE  <b>Provisioning Documentation</b>	2. IDENTIFICATION NUMBER  <b>PD-001</b>	
3. DESCRIPTION  The Provisioning Documentation must consist of : <ul style="list-style-type: none"> <li>a. Provisioning Parts Breakdown (PPB);</li> <li>b. Recommended Spare Parts List (RSPL);</li> <li>c. Special Tools and Equipment List (STEL);</li> <li>d. Supplementary Provisioning Technical Documentation (SPTD).</li> </ul>		
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE  
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.6.1</b>		
8. ORIGINATOR  <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS  <b>D-01-100-214/SF-000</b> <b>C-01-000-103/AG-000</b>	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> <p>10.1 The requirements described in specification D-01-100-214/SF-000 and C-01-000-103/AG-000 may be used as guidance.</p> <p>10.2 The Provisioning Documentation must include the following as a minimum.</p> <ul style="list-style-type: none"> <li>a. Provisioning Parts Breakdown (PPB) – PPB defines the top down organization of the NOMAD system in the configuration in which it is being procured.</li> <li>b. Recommended Spare Parts List (RSPL) – RSPL is a list of spare parts deemed necessary, by the Contractor, to maintain the equipment and its associated support equipment.</li> <li>c. Special Tools and Equipment List (STEL) - STEL is a list of special tools and equipment required to maintain, support, and test the NOMAD system.</li> <li>d. Supplementary Provisioning Technical Documentation (SPTD) – SPTD uniquely identifies each item in each provisioning list for cataloguing purposes.</li> </ul> <p>10.3 Provisioning Parts Breakdown (PPB), Recommended Spare Parts List (RSPL), and Special Tools and Equipment List (STEL) must be prepared in accordance with the content requirements specified in Table 2 – Data Requirements for PPB, RSPL, and STEL.</p> </div>		

**DID PD-001 (Continued)**

**Table 2 – Data Requirements for PPB, RSPL, and STEL**

FIELD NUMBER	DATA FIELDS REQUIRED	OBLIGATION	DND's DIRECTION
1	Item Number	Mandatory	IAW D-01-100-214/SF-000. Start at 000010 and increments by 10.
2	Indenture Code	Mandatory	IAW D-01-100-214/SF-000. Must be 1 character A, B, C, etc.
3	Item Name Basic	Mandatory	No character restriction.
4	Manufacturers Reference Number (MRN)	Mandatory	The part number from the actual manufacturer or the company with Design Control (IP Rights) of the line item.  31 characters maximum.
5	NATO Commercial and Government Entity (NCAGE) Code	Mandatory	The NCAGE of the actual manufacturer or the company with Design Control (IP Rights) of the line item.
6	Original Equipment Manufacturer's (OEM's) Part Number	Mandatory	Enter if known.  The part number created by the manufacturer (an end-product producer) for the system, that includes other companies' subsystems and the MRN included in Field No. 4.  If this is the same as Field No. 4, this field is not required.  31 characters maximum.
6a	Original Equipment Manufacturer's (OEM's) NCAGE	Mandatory	Enter if known.  The NCAGE of the manufacturer (an end-product producer) for the system, that includes other

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			companies' subsystems and the MRN included in Field No. 4.  If this is the same as Field No. 5, this field is not required.
7	NATO Stock Number (NSN)	Optional	IAW D-01-100-214/SF-000.
8	Quantity Per Assembly (QPA)	Mandatory	IAW D-01-100-214/SF-000.  Number of line item parts used in the next higher assembly.  No character restriction.
9	Standard Unit Price in Canadian Dollars	Mandatory	Decimal points are required.  3 characters are required after the decimal point.  Commas are acceptable.  No character restriction in front of decimal point.
10	Unit of Issue (UOI)	Mandatory	IAW D-01-100-214/SF-000.
11	Reparability Indicator (REP)	Mandatory	IAW D-01-100-214/SF-000.
12	Government Supplied Materiel (GSM)	Mandatory	Enter if known.  IAW D-01-100-214/SF-000.
13	Procurement Lead Time (PLT)	Mandatory	Procurement Lead Time is the time from Ordering (Purchase Order issued), to delivery date of parts at customer site.  Reported in Days.
14	Reference Designation	Mandatory	Enter if known.  IAW D-01-100-214/SF-000.
15	Shelf Life (SL)	Mandatory	Reported in months.
16	Usage Rate	Optional	Enter if known.  Usage Rate (MTBF or MTBR).
17	Buy Quantity	Mandatory	The recommended Buy Quantity to support 1 ship for 250 days of availability with a 90 day mission included as

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			well as shore based spares.
18	Source, Maintenance & Recoverability (SMR) Code	Mandatory	IAW D-01-100-214/SF-000.
19	Demilitarization Code (DMC)	Mandatory	IAW D-01-100-214/SF-000.
20	Narrative Field	Mandatory	Any special packaging, handling, storage, or transportation requirements beyond commercial practice.  Any maintenance or calibration that must be completed while the item is in storage.
21	Recommended Spare Parts List (RSPL) Indicator	Mandatory	Indicate if the item is included on the RSPL using the letter Y, otherwise leave blank.
22	Special Test and Equipment List (STEL) Indicator	Mandatory	Indicate if the item is included on the STEL using the letter Y, otherwise leave blank.

**DID PUB-001**

1. TITLE <b>Operational and Technical Manuals</b>		2. IDENTIFICATION NUMBER <b>PUB-001</b>	
3. DESCRIPTION <b>Operational and Technical Manuals provides functional description of the system, its specification, operation, installation, troubleshooting guidance, and parts lists.</b>			
4. APPROVAL DATE <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST <b>DNCS 6-6</b>	6. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP <b>SOW paragraphs 3.6.2</b>			
8. ORIGINATOR <b>DNCS 6-6-2</b>		9. APPLICABLE FORMS <b>C-01-100-100/AG-005 C-01-100-100/AG-006 D-01-100-202/SF-000 D-01-100-203/SF-000</b>	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> 10.1 The Operational and Technical Manuals can be based on the existing Military or Foreign Government manuals, but must be consistent with Specification C-01-100-100/AG-005   10.2 The complete final manual must be provided in bilingual (English and French) side-by-side format.   10.3 A Certificate of Compliance must be provided to the PM for these manuals, and DND shall have limited rights to these manuals for:  <div style="margin-left: 20px;"> a. Modification for training DND personnel;  b. Reproduction for use within DND. </div> 10.4 If the publications do not exist or do not conform to C-01-100-100/AG-005, new publications must be written such that the content is consistent with C-01-100-100/AG-006, D-01-100-202/SF-000, and D-01-100-203/SF-000. For new publications, the following documents must also be provided:  <div style="margin-left: 20px;"> a. Certificate of Validation;  b. Reproducible Copy;  c. Certificate of Compliance. </div> 10.5 The Operational and Technical Manuals must include the following topics:  <div style="margin-left: 20px;"> a. Specifications of the system;  b. Operating instructions for the system;  c. Functional description of the system; </div> </div>			

- d. Testing and troubleshooting;
- e. Preventive and corrective maintenance instructions;
- f. Repair/Overhaul instructions using shipboard spares;
- g. Shipping instructions (applicable only to those components which require special consideration if they are to be periodically shipped for repair);
- h. Storage instructions (applicable only to those components which require special storage if removed from ship and stored for extended period during a ship refit);
- i. Part list;
- j. Installation instructions and illustrations.



**DID TDP-001**

1. TITLE  Technical Data Package	2. IDENTIFICATION NUMBER  TDP-001	
3. DESCRIPTION  Technical Data Package consists of documents that defines the entire configuration of the system and provides technical details such as product and material specifications, engineering drawings, and part lists.		
4. APPROVAL DATE  TBD	5. OFFICE OF PRIMARY INTEREST  DNCS 6-6	6. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP  SOW paragraphs 3.6.3		
8. ORIGINATOR  DNCS 6-6-2	9. APPLICABLE FORMS  D-01-400-002/SF-000 D-01-400-001/SG-000	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;">           10.1 Format             10.1.1 The TDP must consist of one package incorporating all new and existing drawings and specifications.             10.1.2 All TDP documents must be marked with the Controlled Goods and Intellectual Property legend.             10.1.3 The TDP drawings must be formatted in accordance with D-01-400-002/SF-000, Drawings, Engineering and Associated Lists.             10.1.4 The TDP drawing parts lists must be integral with the single sheet drawings or placed separately on the first sheet of multi-sheet drawings.             10.2 Content             10.2.1 The TDP must include a list of every data item provided in the TDP, including the following as a minimum:           <ul style="list-style-type: none"> <li>a. An identification number and title for each data item that is the same as that found on TDP;</li> <li>b. A brief description of each data item type (specification, drawing, list, etc.);</li> <li>c. A hierarchical organization of the data items;</li> <li>d. Any copyrights, proprietary rights or translation rights that apply to the items;</li> <li>e. Ownership of the data items.</li> </ul> </div>		

10.2.2 The TDP drawings may be the existing or modified drawings, but must be consistent in content with D-01-400-001/SG-000 and D-01-400-002/SF-000.

10.2.3 The TDP must include the following as a minimum:

- a. Schematic representation of the overall family tree of each system configuration variant indicating all hardware items and resident software items.
- b. Schematic representation of the overall architecture and integration of each system configuration variant indicating all hardware items, resident software items, and interfaces to the ship.
- c. General arrangement and assembly of each active system configuration variant, its hardware items, and interfaces to the ship.
- d. Detailed configuration of each hardware item of the system.
- e. A list of all materials and components that comprise each hardware item of the system.
- f. Technical specifications of the materials used and Material Safety Data Sheets (MSDS) for the applicable materials.
- g. Data for each system structural and mechanical interface to a level of detail necessary to acquire all material and components, fabricate the interfaces, and install the system's hardware items.
- h. Cable, connector, and pin-out data for each system's power and signal cabling required for system interconnection and shipboard interface.

**DID FSR-001**

1. TITLE  <b>Field Service Representative (FSR) Activity Report</b>	2. IDENTIFICATION NUMBER  <b>FSR-001</b>	
3. DESCRIPTION  The FSR Activity Report describes the activities of a Field Service Representative during the installation of the system and additional requirements for servicing.		
4. APPROVAL DATE  <b>TBD</b>	5. OFFICE OF PRIMARY INTEREST  <b>DNCS 6-6</b>	6. GIDEP APPLICABLE  
7. APPLICATION/INTERRELATIONSHIP  <b>SOW paragraphs 3.7.3</b>		
8. ORIGINATOR  <b>DNCS 6-6-2</b>	9. APPLICABLE FORMS  <b>C-02-006-009/AG-000</b>	
10. PREPARATION INSTRUCTIONS  <div style="margin-left: 20px;"> <p>10.1 The FSR Activity Report may be prepared in the Contractor's selected format following guidelines specified in C-02-006-009/AG-000.</p> <p>10.2 The FSR Activity Report must include at the minimum the following information:</p> <ul style="list-style-type: none"> <li>a. Name(s) of the FSR(s) in attendance;</li> <li>b. Dates in which the work was conducted;</li> <li>c. Purpose of the work;</li> <li>d. Summary of activities undertaken and description of problems encountered;</li> <li>e. Recommendation for further actions.</li> </ul> </div>		

# **BID EVALUATION PLAN**

## **Naval Offboard anti-Missile Active Decoy (NOMAD) System**

**Version: 1.2**

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## **1 INTRODUCTION**

- 1.1 This document provides details on the bid evaluation process by which the bids for the NOMAD systems will be evaluated.

## **2 EVALUATION DEFINITIONS**

### **2.1 Mandatory Criteria**

- 2.1.1 Mandatory criteria are defined as requirements that must be demonstrated as part of the bidder's proposal and is essential to the success of the project. Mandatory criteria are assessed as either compliant or non-compliant. All mandatory criteria must be assessed as compliant for the bidder's proposal to be considered compliant and given further consideration.

### **2.2 Design Data**

- 2.2.1 Design data are data from analysis, simulation, or mathematical modeling which predict the performance of the proposed NOMAD system and demonstrate full compliance with the requirement.

### **2.3 Test Data**

- 2.3.1 Test data are test/trial results which document the performance of the proposed NOMAD system and demonstrate full compliance with the requirement.

## **3 EVALUATION PROCESS**

- 3.1 The evaluation process is to be conducted by the Bid Evaluation Team as follows:
  - 3.1.1 Each bid proposal will be evaluated against every mandatory criteria of Table 1. The Proposal References column is for documenting the identification of where the demonstration of compliance with mandatory criteria is provided in the proposal, and the Evaluation of the Bidder's Response column is for the assessment of compliance. Finally, compliance or non-compliance will be indicated in the Compliance-Yes or Compliance-No column.
  - 3.1.2 All mandatory criteria must be assessed as compliant for the bidder's proposal to be considered compliant and given further consideration.
  - 3.1.3 If a proposal does not meet all mandatory criteria, the reasons and supporting facts must be documented fully in the bid evaluation.

**4 MANDATORY CRITERIA**

TABLE 1 – MANDATORY CRITERIA					
No.	Requirements	Compliance		Proposal References	Evaluation of Bidder's Response
		Yes	No		
PROVEN EXPERIENCE					
1	The bidder has demonstrated its experience as the prime contractor in successfully delivering and integrating an Electronic Warfare (EW) system in a military mobile platform such as land, air, or marine vehicles in the 10 years period prior to the date of the close of the solicitation period. An EW system is a system designed to deny the opponent the advantage of access to the electromagnetic spectrum and preserve its use for friendly purposes.				
TECHNICAL SOLUTION					
2	The bidder has completed the technical compliance matrix in Appendix 1 and demonstrated that the proposed NOMAD system satisfies all mandatory technical requirements IAW the Technical Statement of Requirements (TSOR).				
PRELIMINARY PROJECT SCHEDULE					
3	The bidder has provided a preliminary project schedule indicating the sequence and the completion dates of project milestones, deliverables, and project tasks based on a contract award as “day 0”.				

## APPENDIX 1 – TECHNICAL COMPLIANCE MATRIX

The following technical specifications for the proposed NOMAD system must be cross-referenced to substantiating text, specifications, or data in the body of the proposal.

TSOR Requirements	Compliance		Proposal References
	Yes	No	
2.1. GENERAL CAPABILITIES			
2.1.1			
2.1.2			
2.1.3			
2.1.4			
2.1.5			
2.1.6			
2.1.7			
2.1.8			
2.1.9			
2.1.10			
2.1.10.1			
2.1.10.2			
2.1.10.3			
2.1.10.4			
2.2. NOMAD REQUIREMENTS			
2.2.1			
2.2.2			
2.2.3			
2.2.4 NOMAD Physical Requirements			
2.2.4 Item No. 1			
2.2.4 Item No. 2			
2.2.4 Item No. 3			
2.2.4 Item No. 4			
2.2.4 Item No. 5			
2.2.5 NOMAD Performance Requirements			
2.2.5 Item No. 1			
2.2.5 Item No. 2			
2.2.5 Item No. 3			
2.2.5 Item No. 4			



## Appendix 1 to Annex E

TSOR Requirements	Compliance		Proposal References
	Yes	No	
2.2.5 Item No. 5			
2.2.5 Item No. 6			
2.2.5 Item No. 7			
2.2.5 Item No. 8			
2.2.5 Item No. 9			
2.2.5 Item No. 10			
2.2.5 Item No. 11			
2.2.5 Item No. 12			
2.2.5 Item No. 13			
2.2.5 Item No. 14			
2.2.5 Item No. 15			
2.2.5 Item No. 16			
2.2.5 Item No. 17			
<b>2.2.6 EW Techniques Requirements</b>			
2.2.6 Item No. 1			
2.2.6 Item No. 2			
2.2.6 Item No. 3			
2.2.6 Item No. 4			
2.2.6 Item No. 5			
2.2.6 Item No. 6			
2.2.6 Item No. 7			
<b>2.3 INTERFACE REQUIREMENTS</b>			
2.3.1			
2.3.2			
2.3.4			
<b>2.4 ENVIRONMENTAL REQUIREMENTS</b>			
2.4.1			
<b>2.4.2 Operating Environments</b>			
2.4.2 Item No. 1			
2.4.2 Item No. 2			
2.4.2 Item No. 3			
2.4.2 Item No. 4			
2.4.2 Item No. 5			
2.4.2 Item No. 6			

## Appendix 1 to Annex E

TSOR Requirements	Compliance		Proposal References
	Yes	No	
<b>2.4.3 Surviving Environments</b>			
2.4.3 Item No. 1			
2.4.3 Item No. 2			
2.4.3 Item No. 3			
2.4.3 Item No. 4			
<b>2.5 INFORMATION SECURITY REQUIREMENTS</b>			
2.5.1			

**Revised Milestone Payment Schedule**

Percentage Value of Contract	Number	Milestone	Objective Evidence	Due Date
10.00%	1	Project Schedule and Milestones	PM-001	2 MACA
10.00%	2	TRM/PRM (1)	PM-003	6 MACA
5.00%	3	Provisioning Documentation and Technical Data Package	PD-001	7 MACA
			TDP-001	7 MACA
10.00%	4	TRM/PRM (2)	PM-003	12 MACA
10.00%	5	FAT for NOMAD System 1	FAT-001 (Final)	20 working days prior to the FAT event
			TR-001	10 working days after trial completion
10.00%	6	Delivery of NOMAD System 1	Shipping and release documents as per contract	18 MACA
10.00%	7	HAT for NOMAD System 1	HAT-001 (Final)	20 working days prior to the HAT event
			TR-001	10 working days after trial completion
10.00%	8	FAT for NOMAD System 2	FAT-001 (Final)	20 working days prior to the FAT event
			TR-001	10 working days after trial completion
10.00%	9	Delivery of NOMAD System 2	Shipping and release documents as per contract	22 MACA
10.00%	10	Training and Training Materials	TRG-002 (Final)	20 working days prior to courses
			TRG-001	10 working days after course completion
5.00%	12	Operational and Technical Manuals	PUB-001 (Final)	20 working days prior to the first training course
<b>100.00%</b>	<b>Total</b>			

**Abbreviations:**

**MACA = months after contract award**

**FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION**

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit Employment and Social Development Canada (ESDC) – Labour's website.

Date: \_\_\_\_\_ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
- ☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

OR

- ☐ B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

DND 626 (01-05)

## Instructions for completing DND 626 - Task Authorization

### Contract no.

Enter the PWGSC contract number in full.

### Task no.

Enter the sequential Task number.

### Amendment no.

Enter the amendment number when the original Task is amended to change the scope or the value.

### Increase/Decrease

Enter the increase or decrease total dollar amount including taxes.

### Previous value

Enter the previous total dollar amount including taxes.

### To

Name of the contractor.

### Delivery location

Location where the work will be completed, if other than the contractor's location.

### Delivery/Completion date

Completion date for the task.

### for the Department of National Defence

Signature of the DND person who has delegated **Authority** for signing DND 626 (level of authority based on the dollar value of the task and the equivalent signing authority in the PAM 1.4). **Note:** the person signing in this block ensures that the work is within the scope of the contract, that sufficient funds remain in the contract to cover this task and that the task is affordable within the Project/Unit budget.

### Services

Define the requirement briefly (attach the SOW) and identify the cost of the task using the contractor's quote on the level of effort. The Task must use the basis of payment stipulated in the contract. If there are several basis of payment then list here the one(s) that will apply to the task quote (e.g. milestone payments; per diem rates/labour category hourly rates; travel and living rates; firm price/ceiling price, etc.). All the terms and conditions of the contract apply to this Task Authorization and cannot be ignored or amended for this task. Therefore it is not necessary to restate these general contract terms and conditions on the DND 626 Task form.

### Cost

The cost of the Task broken out into the individual costed items in **Services**.

### GST/HST

The GST/HST cost as appropriate.

### Total

The total cost of the task. The contractor may not exceed this amount without the approval of DND indicated on an amended DND 626. The amendment value may not exceed 50% (or the percentage for amendments established in the contract) of the original value of the task authorization. The total cost of a DND 626, including all amendments, may not exceed the funding limit identified in the contract.

### Applicable only to PWGSC contracts

This block only applies to those Task Authorization contracts awarded by PWGSC. The contract will include a specified threshold for DND sole approval of the DND 626 and a percentage for DND to approve amendments to the original DND 626. Tasks that will exceed these thresholds must be passed to the PWGSC Contracting Authority for review and signature prior to authorizing the contractor to begin work.

### Note:

Work on the task may not commence prior to the date this form is signed by the DA Authority - for tasks within the DND threshold; and by both DND and PWGSC for those tasks over the DND threshold.

## Instructions pour compléter le formulaire DND 626 - Autorisation des tâches

### N° du contrat

Inscrivez le numéro du contrat de TPSGC en entier.

### N° de la tâche

Inscrivez le numéro de tâche séquentiel.

### N° de la modification

Inscrivez le numéro de modification lorsque la tâche originale est modifiée pour en changer la portée.

### Augmentation/Réduction

Inscrivez le montant total de l'augmentation ou de la diminution, y compris les taxes.

### Valeur précédente

Inscrivez le montant total précédent, y compris les taxes.

### À

Nom de l'entrepreneur.

### Expédiez à

Endroit où le travail sera effectué, si celui-ci diffère du lieu d'affaires de l'entrepreneur.

### Date de livraison/d'achèvement

Date d'achèvement de la tâche.

### pour le ministère de la Défense nationale

Signature du représentant du MDN auquel on a délégué le **pouvoir d'approbation** en ce qui a trait à la signature du formulaire DND 626 (niveau d'autorité basé sur la valeur de la tâche et le signataire autorisé équivalent mentionné dans le MAA 1.4). **Nota :** la personne qui signe cette attache de signature confirme que les travaux respectent la portée du contrat, que suffisamment de fonds sont prévus au contrat pour couvrir cette tâche et que le budget alloué à l'unité ou pour le projet le permet.

### Services

Définissez brièvement le besoin (joignez l'ET) et établissez le coût de la tâche à l'aide de la soumission de l'entrepreneur selon le niveau de difficulté de celle-ci. Les modalités de paiement stipulées dans le contrat s'appliquent à la tâche. Si plusieurs d'entre elles sont prévues, énumérez ici celle/celles qui s'appliquera/ront à la soumission pour la tâche à accomplir (p.ex. acompte fondé sur les étapes franchies; taux quotidien ou taux horaire établi selon la catégorie de main-d'œuvre; frais de déplacement et de séjour; prix fixe ou prix plafond; etc.). Toutes les modalités du contrat s'appliquent à cette autorisation de tâche et ne peuvent être négligées ou modifiées quant à la tâche en question. Il n'est donc pas nécessaire de répéter ces modalités générales afférentes au contrat sur le formulaire DND 626.

### Prix

Mentionnez le coût de la tâche en le répartissant selon les frais afférents à chaque item mentionné dans la rubrique **Services**.

### TPS/TVH

Mentionnez le montant de la TPS/TVH, s'il y a lieu.

### Total

Mentionnez le coût total de la tâche. L'entrepreneur ne peut dépasser ce montant sans l'approbation du MDN, formulaire DND 626 modifié à l'appui. Le coût de la modification ne peut pas être supérieur à 50 p. 100 du montant initial prévu dans l'autorisation de tâche (ou au pourcentage prévu dans le contrat pour les modifications). Le coût total spécifié dans le formulaire DND 626, y compris toutes les modifications, ne peut dépasser le plafond de financement mentionné dans le contrat.

### Ne s'applique qu'aux contrats de TPSGC

Le présent paragraphe s'applique uniquement aux autorisations de tâche accordées par TPSGC. On inscrira dans le formulaire DND 626 un plafond précis qui ne pourra être approuvé que par le MDN et un pourcentage selon lequel le MDN pourra approuver des modifications au formulaire DND 626 original. Les tâches dont le coût dépasse ces plafonds doivent être soumises à l'autorité contractante de TPSGC pour examen et signature avant qu'on autorise l'entrepreneur à débiter les travaux.

### Nota :

Les travaux ne peuvent commencer avant la date de signature de ce formulaire par le responsable du MDN, pour les tâches dont le coût est inférieur au plafond établi par le MDN, et par le MDN et TPSGC pour les tâches dont le coût dépasse le plafond établi par le MDN.

**ANNEX I**  
**To: W8472-185712**

## Financial Bid Presentation Sheet

A)	Known Work: In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm total price of \$_____CAD. Goods and Services Tax or Harmonized Sales Tax are extra, if applicable.	\$_____
B)	Customs duties and excise taxes	\$_____
C)	Optional Quantities – EW Payload System and Container  *Not Evaluated*	\$_____
D)	TOTAL PRICE: (A+B)	
		For a TOTAL PRICE of : \$_____

Hourly Rates for Additional Engineering Support – Not Evaluated

\*As per SOW Clause 3.7, Bidder is to complete the table below providing Labour Category and hourly rate. Bidder must use a rate not higher than their current published commercial rates.

[illegible]