



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**  
**11 Laurier St./ 11, rue Laurier**  
**Place du Portage, Phase III**  
**Core 0B2 / Noyau 0B2**  
**Gatineau, Québec K1A 0S5**  
**Bid Fax: (819) 997-9776**

**REQUEST FOR 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**

Clothing and Textiles Division / Division des vêtements et des textiles  
11 Laurier St./ 11, rue Laurier  
6A2, Place du Portage  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> CONSTANT WEAR FLYING SUITS FY 17/18	
<b>Solicitation No. - N° de l'invitation</b> W8485-174376/A	<b>Date</b> 2017-06-09
<b>Client Reference No. - N° de référence du client</b> W8485-174376	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PR-735-72980	
<b>File No. - N° de dossier</b> pr735.W8485-174376	<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 2017-07-14</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> Swanson, Manon	<b>Buyer Id - Id de l'acheteur</b> pr735
<b>Telephone No. - N° de téléphone</b> (819) 420-2945 ( )	<b>FAX No. - N° de FAX</b> (819) 956-5454
<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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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirement**

There is no security requirement associated with this bid solicitation.

### **1.2 Statement of Requirement**

The "Requirement" is detailed at Annex "A" of the resulting contract clauses

### **1.3 Debriefings**

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

### **1.4 Trade Agreements**

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

### **1.5 Canadian Content**

The requirement is subject to a preference for Canadian goods and/or services.

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

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

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2017/04/27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Delete: 60 days  
Insert: 120 days

### **2.2 Submission of Bids**

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

## **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

## **2.4 Applicable Laws**

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

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## **2.5 Specifications and Standards**

### **2.5.1 United States Military Specifications and Standards**

The Bidder is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defense Website, at the following address:

[http://assistdocs.com/search/search\\_basic.cfm](http://assistdocs.com/search/search_basic.cfm)

### **2.5.2 Canadian General Standards Board (CGSB) – Standards**

A copy of the CGSB Standards referred to in the bid solicitation is available and may be purchased from:

Canadian General Standards Board  
Place du Portage III, 6B1  
11 Laurier Street  
Gatineau, Québec  
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)  
Fax: (819) 956-5740  
E-mail: [ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca](mailto:ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca)  
CGSB Website: <http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

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## 2.6 Transportation Costs Information

The Bidder is requested to provide the following information concerning transportation costs for the delivery of the units to destination:

- (a) shipping weight by unit; \_\_\_\_\_
- (b) number of items by unit; \_\_\_\_\_
- (c) cubic measurement by unit; \_\_\_\_\_
- (d) number of units per shipment: \_\_\_\_\_
- (e) name of shipping point; \_\_\_\_\_
- (f) recommended method of shipment and carrier \_\_\_\_\_
- (g) Unit cost: \_\_\_\_\_
- (h) Total cost \$ \_\_\_\_\_

## **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 ( 3 hard copies)
- Section II: Financial Bid ( 1 hard copy)
- Section III: Certifications (1 hard copy)
- Section IV: Additional Information (1 hard copy)

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

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

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

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

3) Green Initiatives (for PWGSC information only)

Bidders are requested to provide details of their policies and practices in relation to the following initiatives:

- environmentally responsible manufacturing;
- environmentally responsible waste disposal;
- waste reduction;
- packaging;
- re-use strategies;
- recycling.

### **Section I: Technical Bid**

In their technical bid, bidders must explain and demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders must demonstrate in a thorough concise and clear manner their capability for carrying out the work.

The technical bid must 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 the 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.

## Section II: Financial Bid

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

### 3.1.1 Electronic Payment of Invoices – Bid

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

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

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

### 3.1.2 Exchange Rate Fluctuation

C3011T      2013/11/06      Exchange Rate Fluctuation

## Section III: Certifications

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

## Section IV: Additional Information

### 3.1.3 Origin of Work

For each line item, bidders must identify the name(s) of the country or countries where the apparel goods are cut (or knit to shape) and sewn, regardless of whether the work is to be performed by the Bidder or one of its subcontractor(s).

The following information must be provided for each location where any of the goods are cut (or knit to shape) or sewn:

Line Item number \_\_\_\_\_  
Country: \_\_\_\_\_

(Bidders must add additional lines if there is more than one manufacturer or one country per line item.)

Bidders must immediately inform Canada in writing of any and all changes affecting the information provided under this clause during the entire bid validity period.

## **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.
- (c) The evaluation team will determine first if there are two or more bids with a valid Canadian Content certification. In that event, the evaluation process will be limited to the bids with the certification; otherwise, all bids will be evaluated. If some of the bids with a valid certification are declared non-responsive, or are withdrawn, and less than two responsive bids with a valid certification remain, the evaluation will continue among those bids with a valid certification. If all bids with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other bids received will be evaluated.

#### **4.1.1 Technical Evaluation**

As part of the technical evaluation, to confirm a Bidder's capability of meeting the technical requirements, the following items must be provided with the bid at time and place of bid closing at no charge to Canada. Failure to submit any of the items within the specified time frame will result in the bid being declared non-responsive. The brochure and manuals submitted by the bidder will remain the property of Canada.

- a. copy of the drawing, data and literature of the proposed equipment to include any external attachments;
- b. A copy of the operating and maintenance manual(s) on USB or CD and in PDF format;
- c. A copy of all certifications the equipment holds or the testing data that shows the equipment meets the specification as stated in the SOW. Certifications could be from a regulating body or independent testing agencies that are recognized by a regulating body or testing carried out internally by the bidder.
- d. Training package.
- e. Spare parts list including special jigs or tools.
- f. Three (3) sealed pre-award samples of medium, large and extra large sizes of the current version of the proposed equipment including any external attachments required to carry out the full range of testing.

The Bidder must ensure that the required pre-award samples are manufactured in accordance with the technical requirement and are fully representative of the bid submitted.

The technical evaluation will be conducted in two (2) phases:

Phase I : Mandatory Technical Criteria Screening  
Phase II : Operational testing

#### **4.1.1.1 Phase I - Mandatory Technical Criteria Screening**

The proposal will be evaluated in accordance with the Mandatory Technical Criteria identified at Appendix 1 to Annex A. The technical evaluation includes 50 Mandatory Technical Criteria. The evaluation will be conducted on the supplied information only.

All mandatory criteria identified at Appendix 1 to Annex A must be met or the bid will be deemed non-compliant. Failure to provide sufficient detail in the bid submission to evaluate the proposal against the mandatory criteria will also deem the bid non-compliant. Even if a bid fails to meet as few as one mandatory criterion that bid will be non-compliant and will be given no further consideration.

Response information provided by the bidders will be evaluated and the status of the resulting evaluation criteria is as Pass/Fail.

Only compliant bidders will proceed to Phase II.

Pre-award samples provided by bidders that did not meet the mandatory requirements of Phase I will have their equipment returned unopened.

Pre-award samples provided by the Bidders that moves forward to Phase II will not be returned. It will be destroyed on completion of the testing and contract award as the serviceability of the item cannot be guaranteed.

#### **4.1.1.2 Phase II - Operational Testing**

All compliant bidders of the Phase I will have their proposed equipment/item/system forwarded to the Phase II of evaluation where the proposed equipment will be field tested, evaluated and rated by Search and Rescue (SAR) technicians carrying out actual SAR training scenarios using the equipment and manuals.

The SAR-CWFS must be compatible with all assessed equipment and operational tasks to be found compliant.

The equipment will be evaluated by three different users and given scores from 1 to 7 by each user on the criteria listed at Appendix 1 to Annex A.

The average rating scores of the evaluators will be totaled and multiplied by the weight criteria to determine the final score. Equipment scoring a rating of 4 or below on any of the criteria by any of the user (not the average) will be considered non-compliant.

If two of the three evaluators score 5 or above, the low score will be scrutinized to ascertain the reason for the result. The low score will be considered as accurate if it is determined that it is because of the anthropometries of the individual testing and the equipment will be considered as non-compliant.

#### **4.1.2 Financial Evaluation**

##### **4.1.2.1 Mandatory Financial Criteria**

- a. The Bidder must submit firm unit prices in Canadian dollars, applicable taxes are excluded, DDP (Montreal QC) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.

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- b. The Bidder must submit pricing for the items including option and "as and when requested" quantities for special sizes and spare parts.
- c. Prices for three (3) years of spare parts must be included with the bid (Refer to Annex C) but will not be part of the financial evaluation.

#### **4.1.2.2 SACC MANUAL CLAUSE**

A9033T 2012/07/16 Financial Capability

#### 4.1.2.3 Financial Evaluation Methodology

The evaluated price will be established using the firm quantity, 100% of the option quantity and 100% of the "as and when requested" quantity for special sizes (spare sparts will not be included in the financial evaluation). The unit prices for the options will be averaged.

#### 4.2 Basis of Selection

- 1) A bid must comply with all requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive.
- 2) The responsive bids with the highest combined rating of technical merit and price will be recommended for award of the Contract (one Contract only).
- 3) The overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
- 4) To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
- 5) For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
- 6) If a tie were to occur, the tiebreaker will be the highest technical merit.
- 7) Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The table below illustrates an example where two bids are responsive and the selection of the bidder is determined by 70/30 ratio of technical merit and price, respectively. The total available points equal 135 and the lowest evaluated price is \$45,000 (45). This example is a hypothetical scenario and does not constitute actual requirements.

Basis of Selection - Highest Combined Rating			
Technical Merit (70%) and Price (30%)			
		Bidder 1	Bidder 2
Overall Technical Score		115/135	92/135
Bid Evaluated Price		\$55,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 70 = 59.62$	$92/135 \times 70 = 47.7$
	Pricing Score	$45/55 \times 30 = 24.54$	$45/45 \times 30 = 30$
Combined Rating		83.16	77.7
Overall Rating		1st	2nd

#### 4.3 Contract Financial Security

1. If this bid is accepted, the Bidder must be required to provide contract financial security, after the bid closing date and within 10 calendar days from receipt of a written request from the Contracting Authority.

- (a) a security deposit as defined in clause "Security Deposit Definition" in the amount of up to ten percent (10%) of the contract price.
- 2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unmatured, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.
- 3. If Canada does not receive the required financial security within the specified period, Canada may, as its discretion, accept another offer, issue a new bid solicitation, award a contract or reject all the bids.

#### 4.4 Security Deposit Definition

- 1. "security deposit" means
  - (a) a bill of exchange that is payable to the Receiver General for Canada, and certified by an approved financial institution or drawn by an approved financial institution on itself; or
  - (b) a Government guaranteed bond; or
  - (c) an irrevocable standby letter of credit, or
  - (d) such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board;
- 2. "approved financial institution" means
  - (a) any corporation or institution that is a member of the Canadian Payments Association;
  - (b) a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the "Régie de l'assurance-dépôts du Québec" to the maximum permitted by law;
  - (c) a credit union as defined in paragraph 137(6) the *Income Tax Act*;
  - (d) a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by Canadian province or territory; or
  - (e) the Canada Post Corporation.
- 3. "government guaranteed bond" means a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:
  - (a) payable to bearer;
  - (b) accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the *Domestic Bonds of Canada Regulations*;
  - (c) registered in the name of the Receiver General for Canada.
- 4. "irrevocable standby letter of credit"
  - (a) means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
    - (i) will make a payment to or to the order of Canada, as the beneficiary;
    - (ii) will accept and pay bills of exchange drawn by Canada;
    - (iii) authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
    - (iv) authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.
  - (b) must state the face amount which may be drawn against it;
  - (c) must state its expiry date;

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- (d) must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;
  - (e) must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
  - (f) must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice (UCP) for Documentary Credits, 2007 Revision, ICC Publication No. 600. Pursuant to the ICC UCP, a credit is irrevocable even if there is no indication to that effect; and
  - (g) must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.

## **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, 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.

#### **5.1.2 Additional Certifications Required with the Bid**

##### **5.1.2.1 Canadian Content Certification**

###### **5.1.2.1.1 SACC Manual clause A3050T (2014/11/27) Canadian Content Definition**

#### **Rules of Origin – Apparel**

With reference to the Canadian Content Certification clause, apparel goods are considered to be Canadian goods according to the North American Free Trade Agreement Rules of Origin as follows:

Apparel goods classified in Chapters 61 and 62 of the Harmonized System that are both cut (or knit to shape) and sewn in Canada will be considered Canadian goods.

## Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause A3050T, may be considered.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

( ) the good(s) offered are Canadian goods as defined in paragraph 1 of clause A3050T.

## Plant Location

Items will be manufactured at: \_\_\_\_\_

## 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 ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969)).

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.

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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.

### **5.2.3 Additional Certifications Precedent to Contract Award**

#### **5.2.3.1 Samples and Production Certification**

The Bidder certifies that:

- ( ) the manufacturer that produced the pre-award sample(s) will remain unchanged for the pre-production sample(s) and full production of the contract quantity.

## PART 6 - RESULTING CONTRACT CLAUSES

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

### 6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

### 6.2 Requirement

The Contractor must provide the items detailed under "the Statement of Requirement" at Annex A and in accordance with the bid dated\_\_\_\_\_.

### 6.3 Standard Clauses and Conditions

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

#### 6.3.1 General Conditions

2030 (2016/04/04), General Conditions - Goods (Higher Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

#### 6.4.1 Delivery Required (Desirable) - Firm Quantity

##### Delivery - Firm Quantity – Phased

The 1st delivery of 7 SAR-CWFS system (sizes TBD) for certification test and evaluation (T&E) testing must be made within 45 calendar days after the contract award date.

The 2<sup>nd</sup> delivery of 180 SAR-CWFS systems (sized TBD) for operational use must be made within 120 days after contract award.

The 3<sup>rd</sup> delivery of 180 SAR-CWFS systmes (sizes TBD) for operational use must be made within 160 days after contract award.

##### Delivery - Option Quantity

The delivery of the option quantity must be made within 120 calendar days from receipt of the contract amendment.

#### 6.4.1.1 Delivery – Appointments

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

25 CF Supply Depot Montreal  
Montreal, Qué.  
514-252-2777, ext. 2363  
[25dfactrafficrdv@forces.gc.ca](mailto:25dfactrafficrdv@forces.gc.ca)

#### 6.4.1.2 Preparation for Delivery

The Contractor must prepare item numbers for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's PStandard Pack.

The Contractor must package item numbers 1, 2 & 4 in quantities of 1.

#### 6.4.1.3 Bulk Shipments

For bulk shipments, all cartons must be shipped on 40" x 48" pallets shrink-wrapped or equivalent with overall height not to exceed 42".

#### 6.4.1.4 Shipping Instructions - Delivery at Destination

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

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

#### 6.4.1.5 SACC Manual Clauses

D5510C	2014/06/26	Quality Assurance Authority (DND) - Canadian-based Contractor
D5515C	2010/01/11	Quality Assurance Authority (DND) - Foreign-based and United States Contractor
D5540C	2010/08/16	ISO 9001:2008 - Quality Management Systems - Requirements (QAC Q)
D5604C	2008/12/12	Release Documents (DND) - Foreign-based Contractor
D5605C	2010/01/11	Release Documents (DND) - United States-based Contractor
D5606C	2012/07/16	Release Documents (DND) - Canadian-based Contractor

## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Manon Swanson  
Public Services and Procurement Canada  
6A2, Portage III, 11 Laurier  
Acquisitions Branch  
Commercial and Consumer Products Directorate (CCPD)  
Clothing & Textiles Division  
Place du Portage, Phase III, 6A2  
11 Laurier Street  
Gatineau, Quebec K1A 0S5  
Telephone : 819-420-2945  
E-mail address: [manon.swanson@tpsgc-pwgsc.gc.ca](mailto:manon.swanson@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.

### **6.5.2 Technical Authority**

The Technical Authority for this Contract is:

Department of National Defence  
101 Colonel By Drive  
Ottawa, Ontario  
K1A 0K2  
Attn: DAEPM (FT) 6-3-3 \_\_\_\_\_ (to be advised at contract)

The Technical Authority 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.

### **6.5.3 Procurement Authority (to be advised at contract)**

The Procurement Authority for the Contract is:

Department of National Defence  
101 Colonel By Drive  
Ottawa, Ontario  
K1A 0K2  
Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_  
Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_  
E-mail: \_\_\_\_\_.

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

#### **6.5.4 Contractor's Representative**

The person responsible for :

##### **General enquiries**

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

##### **Delivery follow-up**

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

#### **6.6 Payment**

##### **6.6.1 Basis of Payment - Firm Unit Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price, as specified in Annex B for a cost of \$ (amount to be inserted at contract award). Customs duties are included and Applicable Taxes are extra.

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

##### **6.6.2 SACC Manual Clauses**

H1001C 2008/05/12 Multiple Payments

##### **6.6.3 Electronic Payment of Invoices – Contract**

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

## 6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a) One (1) copy must be forwarded to the following address :

National Defence Headquarters  
MGen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A 0K2  
Attn: DAP 2-2-4  
Email: \_\_\_\_\_ (to be inserted at contract award)

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

(c) The original and one (1) copy must be forwarded to the consignee for certification and payment.

### 6.7.1 Release Documents - Distribution

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

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

National Defence Headquarters  
Mgen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A 0K2  
Attention: 2-2-4  
Email: \_\_\_\_\_ (to be inserted at contract award)

- (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

## **6.8 Certifications and Additional Information**

### **6.8.1 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.

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

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and 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.

### **6.8.3 SACC Manual Clauses**

A3060C 2008/05/12 Canadian Content Certification

## **6.9 Applicable Laws**

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

## **6.10 Priority of Documents**

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

- a) the Articles of Agreement;
- b) the general conditions 2030 (2016/04/04), General Conditions - Goods (Higher Complexity);
- c) Annex "A", Statement of Requirement;
- d) Annex "Basis of Payment";
- e) the Contractor's bid dated \_\_\_\_\_ (If the bid was clarified or amended, insert at time of contract award:", as clarified on \_\_\_\_\_" or ", as amended on \_\_\_\_\_" and insert date(s) of clarifications or amendment(s)).

## **6.11 Defence Contract**

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

## **6.12 SACC Manual Clauses**

C2611C 2007/11/30 Customs Duties - Contractor Importer  
C2801C 2014/11/27 Priority Rating - Canadian-based Contractors  
D2000C 2007/11/30 Marking  
D2001C 2007/11/30 Labelling

### 6.13 Materials: Contrator Total Supply

The Contractor will be responsible for obtaining all materials required in the manufacture of the item(s) Specified. The delivery stated for the item(s) allows the necessary time to obtain such materials.

### 6.14 Procedures for Design Change/Deviations

The Contractor must follow these procedures for any proposed design change/deviation to contract specifications.

The Contractor must complete Part 1 to 12B the Design Change/Deviation form DND 675 and forward \_\_\_\_\_ (\_\_\_\_\_) copies (officer to insert the no. of copies) to the \_\_\_\_\_ (insert "Technical" or "Project" as applicable) Authority and one (1) copy to the Contracting Authority.

The Contractor will be authorized to proceed upon receipt of the design change/deviation form signed by the Contracting Authority. A contract amendment will be issued to incorporate the design change/deviation in the Contract.

### 6.15 Plant Closing

The Contractor's plant closing for Christmas and Summer holidays are as follows. During this time there will be no shipments.

Year 2018

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

Year 2019

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

Year 2020

Summer Holiday	FROM _____	TO _____
Christmas Holiday	FROM _____	TO _____

### 6.16 Plant Location

Items will be manufactured at: \_\_\_\_\_

#### **6.17 Subcontractor(s)**

The following subcontractor(s) will be utilized in the performance of the contract.

Name of Company: \_\_\_\_\_

Location: \_\_\_\_\_

Value of subcontract: \$ \_\_\_\_\_

Nature of subcontracting work performed: \_\_\_\_\_

Subcontractors, other than those listed above, may not be utilized without the written permission of Canada.

#### **6.18 Origin of Work - Disclosure of Information**

1. For each line item, the Contractor must specify the name(s) of all countries where the apparel goods are cut (or knit to shape) or sewn, regardless of whether the work is to be performed by the Contractor or one of its subcontractor(s).
2. The Contractor agrees that Canada may publicly disclose the information provided with respect to the countries of origin.
3. The Contractor must immediately inform Canada in writing of any and all changes affecting the information provided under this clause during the entire contract period.

#### **6.19 Overshipment**

Overshipment will not be accepted unless prior approval is obtained from the Contracting Authority.

#### **6.20 Post Contract Award Meeting**

A post contract award meeting may be convened within twenty (20) calendar days after award of contract. Participants may include representatives of the Contractor, DNDQAR, DND project Authority, Contracting Authority and the DND Procurement Authority. Other meetings may be convened as required.

The Contractor is responsible for the recording and distribution of the minutes for all contract related meeting. The minutes must be sent to the Contracting Authority for acceptance prior to the distribution to all participants or as otherwise directed in the contract within ten (10) calendar days of the subject meeting. The minutes must be used only as a record of proceedings.

## **6.21 Specifications and Standards**

### **6.21.1 United States Military Specifications and Standards**

The Contractor is responsible for obtaining copies of all United States (US) military specifications and standards which may be applicable to the requirement. These specifications and standards are available commercially, or may be obtained by visiting the US Department of Defense Website, at the following address: [http://assistdocs.com/search/search\\_basic.cfm](http://assistdocs.com/search/search_basic.cfm)

### **6.21.2 Canadian General Standards Board (CGSB) – Standards**

A copy of the CGSB Standards referred to in the Contract is available and may be purchased from:

Canadian General Standards Board  
Place du Portage III, 6B1  
11 Laurier Street  
Gatineau, Québec  
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)  
Fax: (819) 956-5740  
E-mail: [ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca](mailto:ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca)  
CGSB Website: <http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

## **6.22 Financial Security**

1. Canada may convert the security deposit to the use of Canada if any circumstance exists which would entitle Canada to terminate the Contract for default, but any such conversion will not constitute termination of the Contract.
2. Where Canada so converts the security deposit:
  - (a) the proceeds will be used by Canada to complete the Work according to the conditions of the Contract, to the nearest extent that it is feasible to do so and any balance left will be returned to the Contractor on completion of the warranty period; and
  - (b) if Canada enters into a Contract to have the Work completed, the Contractor will:
    - (i) be considered to have irrevocably abandoned the Work; and
    - (ii) remain liable for the excess cost of completing the Work if the amount of the security deposit is not sufficient for such purpose. "Excess cost" means any amount over and above the amount of the Contract Price remaining unpaid together with the amount of the security deposit.
3. If Canada does not convert the security deposit to the use of Canada before completion of the contract period, Canada will return the security deposit to the Contractor within a reasonable time after such date.
4. If Canada converts the security deposit for reasons other than bankruptcy, the financial security must be reestablished to the level of the amount stated above so that this amount is continued and available until completion of the contract period.

## **ANNEX A**

### **STATEMENT OF WORK**

### **FOR A SEARCH and RESCUE TECHNICIAN**

### **CONSTANT WEAR FLYING SUIT**

### **(SAR-CWFS)**

#### **Introduction**

General Information: The Director Aerospace Equipment Program Management (DAEPM) Fighters and Trainers (FT) 6 is responsible for managing various pieces of equipment concerning a wide variety of applications used by Search and Rescue (SAR) in efforts to save human life in response to emergency situations across Canada and in Canada's waterways and oceans. As such the SAR community requires a Search and Rescue Technician – Constant Wear Flying Suit (SAR-CWFS) ensemble that will replace their current dry suit. This will enable the user to utilize it as a constant wear Immersion suit and carry out their duties with it donned in fixed wing and rotary wing platforms. The equipment is utilized mainly as a dry suit for rescue swimming.

#### **1.0 SCOPE**

##### **1.1 Purpose**

The Royal Canadian Air Force (RCAF)/Department of National Defence (DND) has a requirement for a Search and Rescue Technician (SAR Tech) Constant Wear Flying Suit (CWFS) system to accommodate the wide temperature ranges found in Canada. This statement of work (SOW) defines the requirements for the acquisition of a complete SAR-CWFS ensemble (Hereafter referred to as the SAR-CWFS).

##### **1.2 Background**

The SAR Techs do not presently have a CWFS that allows them to operate safely, effectively and efficiently during over-water and water-entry operations. They currently use a dry suit that is intended for diving operations. The dry suit is neither suitable nor durable enough to withstand the rigors of the aircraft rear cabin operations. The dry suit lacks wicking capabilities thereby allowing perspiration build up and is cumbersome and bulky.

RCAF SAR Techs are expected to conduct rescue operations in support of the Canada's enduring core missions (conduct daily domestic and continental operations, including the Arctic through NORAD (North American Aerospace Defense Command), support civilian authorities during a crisis in Canada such as a natural disaster; and deploy forces in response to crisis elsewhere in the world for shorter periods).

In accordance with the Canadian Aeronautical Maritime Search and Rescue (CAMSAR) Manual, SAR Techs are mandated to conduct water rescue operations from Rotary Wing (RW) and Fixed Wing (FW) SAR aircraft. SAR Techs must be able to carry out entry operations from RW aircraft via hoisting and free entries or parachute from FW aircraft to the water surface. SAR Techs must be able to swim expeditiously to rescue victims in order to perform their rescue operations effectively and quickly. Often, as extraction platforms will not be on site for immediate extrication from the water surface, SAR Techs must be able to perform medical and self-preservation activities on the water surface without undue mental and physical stress created by inadequate equipment. The SAR Tech must be outfitted with equipment that will allow him/her to survive the

extreme dangerous conditions they encounter when conducting water rescue operations and training.

As such, there is a requirement for a SAR-CWFS (ensemble) to enhance safety and increase operational effectiveness during over-water and water-entry operations conducted from a SAR platform.

### 1.3 Terminology

1.3.1 The following is a list of acronyms that can be used in this SOW or any communication regarding this SOW:

a. CAMSAR	Canadian Aeronautical and Maritime Search and Rescue Manual
b. CFTO	Canadian Forces Technical Order
c. CWFS	Constant Wear Flying Suit
d. DND	Department of National Defence
e. ET&E	Engineering Test and Evaluation
f. FR	Fire Retardant
g. FW	Fixed Wing
h. NORAD	North American Aerospace Defense Command
i. OEM	Original Equipment Manufacturer
j. OT&E	Operational Test and Evaluation
k. POL	Petroleum, Oil and Lubricants
l. RCAF	Royal Canadian Air Force
m. RW	Rotary Wing
n. SAR	Search and Rescue
o. SAR Tech	Search and Rescue Technician
p. SAR-CWFS	Search and Rescue Technician - Constant Wear Flying Suit
q. SOW	Statement of Work
r. Tech Rep	Technical Representative
s. TEP	Technical Evaluation Plan

### 2.0 APPLICABLE DOCUMENTS

The Contractor is responsible for obtaining all commercially available technical specifications and standards.

B-GA-209-001/FP-001, 30 Sep 2014 - Canadian Aeronautical and Maritime Search and Rescue Manual (CAMSAR)

CAN/CGSB-65.16-2005 –Immersion Suit Systems

CAN/CGSB-65.17-2012 – Helicopter Passenger Transportation Suit Systems

D-01-400-002/SF-000 - Specification for Levels of Engineering Drawings and Associated Lists

D-02-002-001/SG-001 - Canadian Forces Standard Identification Marking of Canadian Military Property

C-22-100-003/MF-001 - Life Preserver Yoke – SAR

C-22-469-008/MF-001 - SAR Helmet, Model 190C

C-22-469-002/MF-001 - Helmet, Parachutist 190P Paramaster

C-22-469-005/MF-001 - SPH-5CF Helmet Assembly (Interim)

C-22-469-004/MF-001 - HGU-56/P-CF Aircrew Helmet (Interim)

C-22-521-000/MS-001 - Integrated Life Preserver/Survival Vest System (LP/SV) and Universal Carrier

C-22-513-004/MS-001 - Emergency Breathing System (EBS) SEA LV-2

C-22-513-000/MF-001 - Emergency Breathing System (EBS)

C-22-622-000/MF-001 - CSAR-7A/7S Parachute Assembly

C-22-165-001/MF-001 - Compact Open Water Buoyancy Raft Assembly (COBRA)

C-22-659-000/MF-001 - Triton SAR Tech Rescue Harness

C-01-100-100/AG-006 - Writing, Format and Production of Technical Publications

### 3.0 REQUIREMENTS

3.1 The SAR-CWFS ensemble must comply with the following mandatory technical requirements.

#### 3.1.1 Design/Performance

- a. The SAR-CWFS must provide positive buoyancy for the user (CAN/CGSB-65.16-2005 Para 6.4);
- b. The SAR-CWFS must provide thermal protection/insulation against outside air temperatures as low as -30°C and water temperatures as low as -2°C to reduce the occurrence of shock to the wearer upon entering cold water and retard the onset of hypothermia (CAN/CGSB-65.17-2012 Para 5.22.2.1 Appendix S)
- c. The SAR-CWFS must have calm water immersed Clo values in the following range (Calm water equivalent of CAN/CGSB-65.17-2012 Para 5.22.2.1 Appendix S)-

	Low Value	High Value
Immersed Clo (Calm Water)	0.3	1

- d. The SAR-CWFS must not cause heat stress to the user when wearing the ensemble at temperatures of up to +40°C (CAN/CGSB-65.16-2005 Para 5.8)
- e. The SAR-CWFS must provide for wicking and thermal ventilation (active system) to avoid overheating while working in the aircraft;
- f. The SAR-CWFS must be water impregnable and capable of sustaining long periods (up to 5 hours) of exposure without water ingress in fresh and salt water conditions during severe weather conditions and rough sea states up to Sea State 5 (CAN/CGSB-65.17-2012 Para 5.22);
- g. The SAR-CWFS must be functional and ready for immediate use after storage in temperatures of -20°C to +40°C and be able to be stored in temperatures of -30°C to +40°C without deterioration. (CAN/CGSB-65.16-2005, Para 5.8);

- h. The SAR-CWFS must be protected against deterioration and corrosion caused by atmospheric conditions, water, airborne corrosive agents, salt water, severe climatic environments including extreme summer heat, sleet, snow, fog, mist and rain;
- i. The SAR-CWFS components must be resistant to rust, corrosion, fungus and mold (CAN/CGSB-65.16-2005 Para 5.9);
- j. The SAR-CWFS components must have fire retardant (FR) properties (CAN/CGSB-65.16-2005 Para 5.13);

### 3.1.2 Fit and Operability

- a. The SAR-CWFS must be a highly visible international orange colour (hex code #FF4F00), be visible in all lighting conditions day or night, wet or dry and have reflective markings;
- b. The SAR-CWFS must be light weight. The total weight of the SAR-CWFS must be no more than 7.5 lbs for a suit sized for a height of 74 inches and chest size of 44 inches.
- c. The SAR-CWFS must provide for rapid donning and doffing during operations in FW or RW aircraft. The wearer must be able to fully unpack, don and secure the SAR-CWFS without assistance in less than 2 minutes while not in a confined space and in less than 5 minutes within a confined space (i.e. RW aircraft back end). The wearer must be able to easily and rapidly doff the SAR-CWFS without any assistance;
- d. The SAR-CWFS when donned by the SAR Tech, must fit comfortably and securely regardless if the wearer is standing, sitting, kneeling, bending, reaching or twisting without causing undue strain on the user during operations;
- e. The SAR-CWFS must be available in a variety of sizes to fit the 5<sup>th</sup> to 95<sup>th</sup> percentile SAR Tech as well as be available in custom sizes (i.e. any combination of SAR Tech height, chest and weight). Average annual quantity of custom sized suit required by DND is estimated at 8 to 10 suits.

	Height	Chest	Weight
Size Range (inches)	60 to 78	33 – 50	100-275 lbs

- f. The SAR-CWFS must allow for ease of movement in all lighting and environmental conditions within the SAR Tech work environment;
- g. The SAR-CWFS must not interfere with normal body mechanics nor hinder any movement of the SAR Tech in all facets of the mission (MIL HDBK-516B Para 9.4.1)
- h. The SAR-CWFS must allow for easy single handed access to all components using all approved SAR Tech gloves while in extreme environmental conditions (MIL HDBK-516B Para 9.4.1);-
- i. The SAR-CWFS must be streamlined and low profile to add to the ease of use during operations. External components must be compact and low profile so as to not create snagging hazards;
- j. The SAR-CWFS must be able to be stowed easily in an aircraft;
- k. The SAR-CWFS must have external self-draining pockets that allow for storage of small equipment without compromising movement and one medium sized pocket to store a radio (SLB 1000 sized 177 x 90 x 55 mm . Weight including batteries 635 g). The pockets must have a method of keeping their contents secured while performing operations;

- l. The SAR-CWFS must provide a method/mechanism for urination for both male and female SAR Techs;
- m. The SAR-CWFS must be compatible with all existing SAR Tech rescue equipment (i.e. life preservers, hoisting and parachuting equipment as outlined below) and fit comfortably without any modification to the SAR-CWFS ensemble (MIL HDBK-516B Para 9.4.1 & 9.5.3);-

NSN	Equipment	CFTO
4220-01-529-6610	Life Preserver, YOKE	C-22-100-003/MF-001
8415-21-909-2027	Helmet Flyer's 190C	C-22-469-008/MF-001
8415-20-A0Q-5846	Helmet Jumping, Parachutist 190P	C-22-469-002/MF-001
8475-21-910-8081	Helmet Flyer's SPH-5-CF	C-22-469-005/MF-001
8475-20-A0Q-1167	Helmet Flyer's HGU-56/P-CF	C-22-469-004/MF-001
8415-21-907-9272	Survival Vest	C-22-521-000/MS-001
4220-21-906-0719	Life Preserver & Cover Assy Regular	C-22-521-000/MS-001
4220-20-000-563	Extra Wide Cover assy	C-22-521-000/MS-001
4220-21-906-0720	Universal Carrier	C-22-521-000/MS-001
4240-01-542-8156	Emergency Breathing System SEA LV2	C-22-513-004/MF-001
4240-01-556-8055	Emergency Breathing System HABD	C-22-513-000/MF-001
1670-01-508-7138	CSAR 7A	C-22-622-000/MF-001
1670-01-625-3852	CSAR 7S	C-22-622-000/MF-001
4220-20-009-4432	COBRA	C-22-165-001/MF-001
1680-01-624-8507	Triton Harness sz med	C-22-659-000/MF-001
1680-01-624-8514	Triton Harness sz xl	C-22-659-000/MF-001
1680-01-624-8505	Triton Harness sz xl	C-22-659-000/MF-001
1680-01-624-8503	Triton Harness sz xxl	C-22-659-000/MF-001

- n. Should Socks be required the SAR-CWFS must be able to be fitted with socks ranging in sizes from 7 to 14; and
- o. Should footwear be required the SAR-CWFS must be compatible with footwear that is a height of 7.5 inches to 9 inches tall.

### 3.1.3 Maintainability

- a. All components must be designed for ease of maintenance by the user and maintainer in accordance with supplier instructions;
- b. The SAR-CWFS must become serviceable for use within 24 hours of first line maintenance consisting of visual inspection and post wear cleaning;
- c. Routine operator/first line daily maintenance by RCAF SAR Techs must not require more than one half hour per day;
- d. Scheduled and unscheduled second line maintenance by RCAF maintainers on calendar or activity based inspections that require specialised equipment or facilities to ascertain suit serviceability and allow for second line cleaning and minor repairs must have a turnaround time of no more than 48 hours;
- e. Cleaning of the SAR-CWFS must be accomplished with hot or cold water with no damage to seals, valves, connections, or protective finishes on the suit components;
- f. All routine maintenance tasks must be accomplished with the minimum use of special tools or equipment, if special tools or jigs are required for maintenance they must be identified and become part of the proposal;

### 3.1.4 Reliability and Durability

- a. The SAR-CWFS ensemble must be resistant to Petroleum, Oil and Lubricants (POL) and bio-hazardous material contamination without compromising system integrity (CAN/CGSB-65.16-2005 Para 5.9)
- b. The SAR-CWFS must be durable and able to sustain daily use in training and mission scenarios. The areas of primary concern are the knees, elbows and buttocks. It must be puncture resistant to the environment that the equipment is worn in (i.e. floating wreckage and debris);
- c. The SAR-CWFS must remain serviceable for a minimum of three years under normal use and a minimum of 5 years of combined storage and normal use following OEM maintenance instructions; and
- d. The contractor must warrant the SAR-CWFS to be free from defects in material and workmanship under normal use and service for a period of 1 year from the date of delivery.

### 3.1.5 Certification

- a. The SAR-CWFS must comply with applicable federal safety standards and all hazards or warnings must be indicated with warning labels.

## 4.0 QUALITY CONTROL

### 4.1.1 Quality Assurance

- a. The contractor must establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the requirements of the ISO 9001 or an equivalent quality system model during performance of this contract;

- b. The contractor must conduct quality conformance inspections and tests during manufacture in accordance with the contractor's standard acceptance test plan. Details of the test plan and documentation of all inspections/tests are to be provided to DND upon request; and
- c. DND reserves the right to perform any verification or validation activities deemed necessary to confirm that the materials and services conform to the specification and the contract requirements.

#### 4.1.2 Configuration Control

- a. The contractor must have an established, DND verifiable, Configuration Management Program with control systems in place and must provide configuration identification, control and status accounting of all SAR-CWFS and related documentation. All SAR-CWFS delivered must have the same product baseline and support interchangeability/interoperability of parts. The established product baseline must be maintained during repair and any deviation from the baseline must be approved in advance by DND.

### 5.0 INTEGRATED LOGISTICS SUPPORT

#### 5.1 Technical Support

- 5.1.1 The contractor must be able to provide DND with ongoing technical support for the equipment. Upon requests from DND, the Contractor must make available a Technical Representative with full knowledge of the operation and maintenance of the SAR-CWFS to provide technical input and respond to queries from DND on an as required basis. Input for the technical representative will be used to support DND dispositions on engineering changes, maintenance program changes, deviations etc.

#### 5.2 Initial and Regenerative Training

- 5.2.1 The Contractor must provide DND with an initial training and a regenerative training package for both operators and technicians.
  - a. Initial training to field the CWFS system with qualified personnel must be provided by the contractor in three serials at a location and times as determined by DND, no later than 31 Mar 18. Each serial is expected to have an estimated 10 to 20 DND personnel. The training must include but may not be limited to: introduction, description, maintenance, inspection, testing, repair and overhaul, folding and packing, fitting, inspection, maintenance, cleaning, repair, operation and use of the SAR-CWFS. The initial training will include hands on technical training. .
  - b. Regenerative training package to be used by qualified personnel to train other DND/RCAF maintainers and operators. The training package must include but may not be limited to: introduction, description, maintenance, inspection, testing, repair and overhaul, folding and packing, fitting, inspection, maintenance, cleaning, repair, operation and use of the SAR-CWFS.

### **5.3 DELIVERABLES**

#### **5.3.1 Deliverable Documentation**

The contractor must provide DND with one (1) hard copy and one electronic reproducible copy of the following technical data:

- a. The complete description of the SAR-CWFS ensemble, including detailed description drawings (level 1) in accordance with D-01-400-002/SF-000, showing all components, part numbers, material identification, "exploded views", and associated specifications, cross referencing part names and part numbers. If part numbers applied to the equipment are company explicit and have a common industry standard part number associated with it, both part numbers must be displayed. (Example. NAS, MS etc.);
- b. The user operating and care instructions;
- c. The maintenance instructions, including information regarding inspection, testing, repair, overhaul, folding, packing, recommended inspection intervals, and service life; and
- d. The fitting and sizing procedures.
- e. Training package.

#### **5.3.2 Delivery Schedule**

- a. The Contractor must provide DND with seven (7) SAR-CWFS system (sizes TBD) for certification and operational test and evaluation (OT&E) testing within 45 days after contract award;
- b. The Contractor must provide DND with 180 SAR-CWFS (sizes TBD) for operational use within 120 days after contract award.
- c. The Contractor must provide DND with 180 SAR-CWFS (sizes TBD) for manon operational use within 160 days after contract award.

### **5.4 Operating and Maintenance Manual(s)**

- 5.4.1 The Contractor must prepare and submit to DND an operating and maintenance manual(s) covering the description and operation for the SAR-CWFS. The Operating and Maintenance Manual may be the same or separate document but must be in Canadian Forces Technical Order (CFTO) format in accordance with C-01-100-100/AG-006 for DND use in developing the equipment CFTO. Manual(s) must include: introduction, description, operation, maintenance, inspection and testing, repair and overhaul, folding and packing procedures, and a parts list for the SAR-CWFS and must contain drawings, photos, exploded views for clarity.
  - a. All drawings, data and literature must be submitted to DND free of IP rights that restrict DND's use which includes publishing in CFTO format, and its use for repair and overall as well as purchasing or replacement.

## **5.5 RECOMMENDED SPARE PARTS LIST AND PROVISION FOR SPARE PARTS**

### **5.5.1 Recommended Spare Parts List**

The contractor must prepare and submit to DND a Recommended Spare Parts List applicable to the parts breakdown as indicated in the operation and maintenance manual(s). The document must also provide for each component the Part Number and associated NSN if available, the replacement cost and the manufacturer and shelf life if any. Company specific part numbers that carry a common industry associated part number must have both part numbers listed.

### **5.5.2 Provision of Spare Parts**

The contractor must be able to support follow buy of the CWFS system spares and spare parts as and when requested by DND

## **5.6 Identification – Production Units**

### **5.6.1 Marking Ink**

Identification marking information for each SAR-CWFS must be permanently marked in accordance with D-02-002-001/SG-001. Unless otherwise specified, all suit markings must be made from permanent, black, non-migrating ink. The ink must have no deleterious effect on the surface marked. Characters must be not less than 1.6 mm (1/16 inch) or more than 3.2 mm (1/8 inch) high.

### **5.6.2 Identification Label**

Each SAR-CWFS must have a waterproof bilingual identification label on the inner side of the suit at the neck area. The label must be made from launderable white fabric and marked with the following information:

- a. Item Name;
- b. NATO Stock Number;
- c. Size;
- d. Contract Number;
- e. Date of Manufacture;
- f. Manufacturer's Name;
- g. Serial Number; and
- h. Name:

**APPENDIX 1 to ANNEX A**  
**PHASE I - Mandatory Technical Criteria Screening**  
**TECHNICAL EVALUATION PLAN**  
**FOR A SEARCH and RESCUE TECHNICIAN**  
**CONSTANT WEAR FLYING SUIT (SAR-CWFS)**

Date: \_\_\_\_\_  
Evaluator: \_\_\_\_\_  
Bidder: \_\_\_\_\_

Technical Review

Mandatory Requirements:	Evaluation Criteria:	Found/ Not Found:
SOW 3.1.1.a The SAR-CWFS must provide positive buoyancy for the user (CAN/CGSB-65.16-2005 Para 6.4);	Does the bidder state that the item is capable of the requirement, AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.16-2005 Para 6.4	
SOW 3.1.1.b The SAR-CWFS must provide thermal protection/insulation against outside air temperatures as low as -30°C and water temperatures as low as -2°C to reduce the occurrence of shock to the wearer upon entering cold water and retard the onset of hypothermia (CAN/CGSB-65.17-2012 Para 5.22.2.1 Appendix S)	Does the bidder state that the item is capable of the requirement, AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.17-2012 Para 5.22.2.1.	
SOW 3.1.1.c The SAR-CWFS must have calm water immersed Clo values (Calm water equivalent of CAN/CGSB-65.17-2012 Para 5.22.2.1 Appendix S).	Does the bidder state that the item is capable of the requirement, AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds (CAN/CGSB-65.17-2012 Para 5.22.2.1 Appendix S): Low 0.3, High 1.0	
SOW 3.1.1.d The SAR-CWFS must not cause heat stress to the user when wearing the ensemble at temperatures of up to +40°C (CAN/CGSB-65.16-2005 Para 5.8)	Does the bidder state that the item is capable of the requirement in their proposal o AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.16-2005 Para 5.8	
SOW 3.1.1.e The SAR-CWFS must provide for wicking and thermal ventilation (active system) to avoid overheating while working in the aircraft.	Does the bidder state that the item is capable of the requirement in their proposal and refers to paragraphs of operation /maintenance manual(s) that provide this feature/requirement.	

SOW 3.1.1.f The SAR-CWFS must be water impregnable and capable of sustaining long periods (up to 5 hours) of exposure without water ingress in fresh and salt water conditions during severe weather conditions and rough sea states up to Sea State 5 (CAN/CGSB-65.17-2012 Para 5.22).	Does the bidder state that the item is capable of the requirement in their proposal AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.17-2012 Para 5.22.	
SOW 3.1.1.g The SAR-CWFS must be functional and ready for immediate use after storage in temperatures of -20°C to +40°C and be able to be stored in temperatures of -30°C to +40°C without deterioration (CAN/CGSB-65.16-2005, Para 5.8).	Does the bidder state that the item is capable of the requirement AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.16-2005, Para 5.8.	
SOW 3.1.1.h The SAR-CWFS must be protected against deterioration and corrosion caused by atmospheric conditions, water, airborne corrosive agents, salt water, severe climatic environments including extreme summer heat, sleet, snow, fog, mist and rain.	Does the bidder state that the item is capable of the requirement in their proposal AND refers to the operations /maintenance manual on how the requirement is met or provide certification the equipment holds that meet or exceed the requirement.	
SOW 3.1.1.i The SAR-CWFS components must be resistant to rust, corrosion, fungus and mold (CAN/CGSB-65.16-2005 Para 5.9);	Does the bidder state that the item is compliant with the requirement in their proposal AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.16-2005 Para 5.9	
SOW 3.1.1.j The SAR-CWFS components must have fire retardant (FR) properties (CAN/CGSB-65.16-2005 Para 5.13).	Does the bidder state that the item is compliant with the requirement in their proposal. AND provide the test data in their proposal or the certification the equipment holds that meets or exceeds CAN/CGSB-65.16-2005 Para 5.13	
SOW 3.1.2.a The SAR-CWFS must be a highly visible international orange colour (hex code #FF4F00) and have reflective markings.	Does the bidder state that the item is compliant with the requirement in their proposal and refers to paragraphs in the operation/maintenance manual(s) that substantiate how this requirement is met.	

SOW 3.1.2.b The total weight of the SAR-CWFS must be under 7.5 lbs for a suit sized for a height of 74 inches and chest size of 44 inches	Does the bidder state that the item is compliant with the requirement in their proposal and provides substantiation.	
SOW 3.1.2.c The SAR-CWFS must provide for rapid donning and doffing during operations in FW or RW aircraft. Test wearer must be able to fully unpack, don and secure the SAR-CWFS without assistance in less than 2 minutes while not in a confined space and in less than 5 minutes within a confined space. The wearer must be able to easily and rapidly doff the SAR-CWFS without any assistance.	Does the bidder state that the item is compliant with the requirement in their proposal and refers to the operations /maintenance manual in their substantiation of how the requirement is met.	
SOW 3.1.2.d The SAR-CWFS must fit comfortably and securely regardless if the wearer is standing, sitting, kneeling, bending, reaching or twisting without causing undue strain on the user during operations.	Does the bidder state that they comply with the requirement and state how their equipment is constructed that make it comfortable for the wearer throughout the range of activity listed in the requirement.	
SOW 3.1.2.e The SAR-CWFS must be available in sizes to fit the 5th to 95th percentile SAR Tech as well as available in custom sizes.	Does the bidder state that the item is capable of the requirement in their proposal and provide documentation or proof of how the requirement is met.	
SOW 3.1.2.f The SAR-CWFS must allow for ease of movement in all lighting and environmental conditions within the SAR Tech work environment.	Does the bidder state that they comply with the requirement and state how their equipment is constructed that allows for ease of movement for the wearer in all lighting and environmental conditions within the SAR Tech work environment.	
SOW 3.1.2.g The SAR-CWFS must not interfere with normal body mechanics nor hinder any movement of the SAR Tech in all facets of the mission (MIL HDBK-516B Para 9.4.1).	Does the bidder state that they comply with the requirement and substantiates how the equipment meets or exceeds MIL HDBK-516B Para 9.4.1 for this requirement.	
SOW 3.1.2.h The SAR-CWFS must allow for easy single handed access to all components using all approved SAR Tech gloves while in extreme environmental conditions (MIL HDBK-516B Para 9.4.1).	Does the bidder state that the item is capable of the requirement in their proposal and substantiates how the equipment meets or exceeds MIL HDBK-516B Para 9.4.1 for this requirement.	

SOW 3.1.2.i The SAR-CWFS must be streamlined and low profile to add to the ease of use during operations. External components must be compact and low profile so as to not create snagging hazard.	Does the bidder state that they comply with the requirement and substantiates how their equipment is meets this requirement	
SOW 3.1.2.j The SAR-CWFS must be able to be stowed easily in an aircraft.	Does the bidder state that the item is capable of the requirement in their proposal and do they state the storage requirements and instructions in the operations/maintenance manual.	
SOW 3.1.2.k The SAR-CWFS must have external self-draining pockets that allow for storage of small equipment without compromising movement and one medium sized pocket to store a radio (SLB 1000 sized 177 x 90 x 55 mm weight including batteries 635 g). The pockets must have a method of keeping their contents secured while performing operations.	Does the bidder state that the item is capable of the requirement in their proposal and refers to the operations /maintenance substantiating how this requirement is met.	
SOW 3.1.2.l The SAR-CWFS must provide a method/mechanism for urination for both male and female SAR Techs.	Does the bidder state that the item is capable of the requirement in their proposal and refers to the operations /maintenance manual on how the requirement is met.	
SOW 3.1.2.m The SAR-CWFS must be compatible with all existing SAR Tech rescue equipment and fit comfortably without any modification to the SAR-CWFS ensemble (MIL HDBK-516B Para 9.4.1 & 9.5.3).	Does the bidder state that the item is capable of the requirement in their proposal.	
SOW 3.1.2.n The SAR-CWFS must be able to be fitted with socks ranging in sizes from 7 to 14.	Does the bidder state that the item is capable of the requirement in their proposal and refers to the operations /maintenance manual on how the requirement is met.	
SOW 3.1.2.o The SAR-CWFS must be compatible with footwear that is a height of 7.5 inches to 9 inches tall.	Does the bidder state that the item is capable of the requirement in their proposal and refers to the operations /maintenance manual on how the requirement is met.	

SOW 3.1.3.a The SAR-CWFS components must be designed for ease of maintenance by the user and maintainer in accordance with supplier instructions.	Does the bidder state that the item is capable of the requirement in their proposal and refers to the operations /maintenance manual on how the requirement is met.	
SOW 3.1.3.b The SAR-CWFS must become serviceable within 24 hours of first line maintenance consisting of visual inspection and post wear cleaning.	Does the bidder state that the item is capable of the requirement in their proposal and refer to the operations/maintenance manual on how the requirement is met.	
SOW 3.1.3.c The SAR-CWFS routine operator/first line daily maintenance by RCAF SAR Techs must not require more than one half hour per day.	Does the bidder state that the item is capable of the requirement in their proposal and refer to the operations/maintenance manual on how the requirement is met.	
SOW 3.1.3.d The SAR-CWFS scheduled and unscheduled second line maintenance by RCAF maintainers on calendar or activity based inspections that require specialised equipment or facilities to ascertain suit serviceability and allow for second line cleaning and minor repairs must have a turnaround time of no more than 48 hours.	Does the bidder state that the item is capable of the requirement in their proposal and refer to the operations/maintenance manual on how this requirement is met.	
SOW 3.1.3.e The SAR-CWFS cleaning must be accomplished with hot or cold water with no damage to seals, valves, connections, or protective finishes on the suit components.	Does the bidder state that the item is capable of the requirement in their proposal and refer to the operations/maintenance manual on how this requirement is met.	
SOW 3.1.3.f The SAR-CWFS all routine maintenance tasks must be accomplished with the minimum use of special tools or equipment.	Does the bidder state that the item is capable of the requirement in their proposal and refer to the operations/maintenance manual on how this requirement is met.	
SOW 3.1.4.a The SAR-CWFS ensemble must be resistant to Petroleum, Oil and Lubricants (POL) and bio-hazardous material contamination without compromising system integrity (CAN/CGSB-65.16-2005 Para 5.9).	Does the bidder state that the item is compliant with the requirement in their proposal or the certification the equipment holds meets or exceeds CAN/CGSB-65.16-2005 Para 5.9.	

SOW 3.1.4.b The SAR-CWFS must be durable and able to sustain daily use in training and mission scenarios. The areas of primary concern are the knees, elbows and buttocks. It must be puncture resistant to the environment that the equipment is worn in (i.e. floating wreckage and debris).	Does the bidder state that the item is capable of the requirement AND provide the test data in their proposal or the certification the equipment holds to meet this requirement.	
SOW 3.1.4.c The SAR-CWFS must remain serviceable for a minimum of three years under normal use and a minimum of 5 years of combined storage and normal use following OEM maintenance instructions.	Does the bidder state that the item is capable of the requirement AND provide the test data in their proposal or the certification the equipment holds to meet this requirement.	
SOW 3.1.4.d The SAR-CWFS must be warranted free from defects in material and workmanship under normal use and service for a period of 1 year from the date of delivery.	Does the bidder state that they warrantee the equipment free from defects in material and workmanship under normal use and service for a period of 1 year from the date of delivery.	
SOW 3.1.5.a The SAR-CWFS must comply with applicable federal safety standards and all hazards or warning s must be indicated with warning labels.	Does the bidder state that they comply with the requirement and provide documentation or proof in their proposal.	
SOW 4.1.1a The contractor must demonstrate adherence to a quality system.	Does the bidder state that they comply with the requirement and provide documentation or proof in their proposal.	
SOW 4.1.1b The contractor must demonstrate adherence to a test plan and copies must be available upon request.	Does the bidder state that they comply with the requirement and provide documentation or proof in their proposal.	
SOW 5.1.1 The contractor must be able to provide DND with ongoing technical support for the equipment. Upon requests from DND, the Contractor must make available a Technical Representative with full knowledge of the operation and maintenance of the SAR-CWFS to provide technical input and respond to queries from DND on an as required basis. Input for the technical representative will be used to support DND dispositions on engineering changes, maintenance program changes, deviations etc.	Does the bidder state that they will comply with the requirement in their proposal.	

SOW 5.2.1a. Initial training to field the CWFS system with qualified personnel must be provided by the contractor in three serials at a location and times as determined by DND, no later than 31 Mar 18. Each serial is expected to have an estimated 10 to 20 DND personnel. The training must include but may not be limited to: introduction, description, maintenance, inspection, testing, repair and overhaul, folding and packing, fitting, inspection, maintenance, cleaning, repair, operation and use of the SAR-CWFS. The initial training package will include hands on technical training.	Does the bidder state that they can comply with the requirement in their proposal.	
SOW 5.2.1b. The Contractor must provide regenerative training package to be used by qualified personnel to train other DND/RCAF maintainers and operators. The training package must be provided with the bid and include but may not be limited to: introduction, description, maintenance, inspection, testing, repair and overhaul, folding and packing, fitting, inspection, maintenance, cleaning, repair, operation and use of the SAR-CWFS.	Does the bidder state that they can comply with the requirement in their proposal and provide the training package with the bid.	
SOW 5.3.2a The Contractor must provide DND with seven (7) SAR-CWFS (sizes TBD) for operational test and evaluation (OT&E) testing within 45 days after contract award.	Does the bidder state that they can comply with the requirement in their proposal.	
SOW 5.3.2b The Contractor must provide DND with 180 SAR-CWFS (sizes TBD) for operational use within 120 days after contract award.	Does the bidder state that they can comply with the requirement in their proposal.	
SOW 5.3.2c The Contractor must provide DND with 180 SAR-CWFS (sizes TBD) for operational use within 160 days after contract award.	Does the bidder state that they can comply with the requirement in their proposal.	

<p>SOW 5.4.1 The Contractor must prepare and submit to DND an operating and maintenance manual(s) covering the description and operation for the SAR-CWFS. The Operating and Maintenance Manual may be the same or separate document but must be in Canadian Forces Technical Order (CFTO) format in accordance with C-01-100-100/AG-006 for DND use in developing the equipment CFTO. Manual(s) must include: introduction, description, operation, maintenance, inspection and testing, repair and overhaul, folding and packing procedures, and a parts list for the SAR-CWFS and must contain drawings, photos, exploded views for clarity.</p>	<p>Does the bidder state that they comply with the requirement and provide the operating and maintenance manual(s) in their proposal with required information.</p>	
<p>SOW 5.4.2 All drawings, data and literature must be submitted to DND free of IP rights that restrict DND's use which includes publishing in CFTO format, and its use for repair and overall as well as purchasing or replacement.</p>	<p>Does the bidder state that they will comply with the requirement and provide DND with all required drawings, data and literature free of IP rights that restrict DND's use, which includes publishing in CFTO format, and its use for repair and overall as well as purchasing or replacement.</p>	
<p>SOW 5.5.1 The contractor must prepare and submit to DND a Recommended Spare Parts List applicable to the parts breakdown as indicated in the OEM maintenance manual. The document must also provide for each component the Part Number and associated NSN if available, the replacement cost and the manufacturer and shelf life if any. Company specific part numbers that carry a common industry associated part number must have both part numbers listed.</p>	<p>Does the bidder state that they comply with the requirement and provide documentation proof in their proposal.</p>	

SOW 5.6.1 Identification marking information for each SAR-CWFS must be permanently marked in accordance with D-02-002-001/SG-001. Unless otherwise specified, all suit markings must be made from permanent, black, non-migrating ink. The ink must have no deleterious effect on the surface marked. Characters must be not less than 1.6 mm (1/16 inch) or more than 3.2 mm (1/8 inch) high.	Does the bidder state that they comply with the requirement in their proposal.	
SOW 5.6.2 Each SAR-CWFS must have a waterproof bilingual identification label on the inner side of the suit at the neck area. The label must be made from launderable white fabric and marked with the following information: a. Item Name; b. NATO Stock Number; c. Size; d. Contract Number; e. Date of Manufacture; f. Manufacturer's Name; and g. Serial Number. h. Name:	Does the bidder state that they comply with the requirement in their proposal.	

Outcome

Evaluator Signature

## PHASE II - OPERATIONAL TESTING

A 7-point Likert-type rating scale will be used to provide a clear and understandable quantification of the user's perceptions in a controlled manner. The following scale will be used:

Rating Scale:

Rating	Participant's Perception
1	Completely Unacceptable
2	Unacceptable
3	Reasonably Unacceptable
4	Neutral/Borderline
5	Slightly Acceptable
6	Acceptable
7	Completely Acceptable

Mandatory Requirements:	Evaluation Criteria:	Rating 1-7	Weight 06-10	Score Rating x Weight
SOW 3.1.1.a The SAR-CWFS must provide positive buoyancy for the user.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment under test provide positive buoyancy for the user.		8	
SOW 3.1.1.b The SAR-CWFS must provide thermal protection/insulation against outside air temperatures as low as - 40°C and water temperatures as low as - 2°C.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment under test provide thermal protection/insulation for the user.		10	
SOW 3.1.1.d The SAR-CWFS must not cause heat stress to the user when wearing the ensemble.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment under test cause heat stress to the user.		9	
SOW 3.1.1.e The SAR-CWFS must provide for wicking and thermal ventilation (active system) to avoid overheating while working in the aircraft.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment under test provide for wicking and thermal ventilation to prevent overheating for the user		9	

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SOW 3.1.1.f The SAR-CWFS must be water impregnable and capable of sustaining long periods (up to 5 hours) of exposure without water ingress in fresh and salt water conditions during severe weather conditions and rough sea states up to Sea State 5.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment keep the user dry.		9	
SOW 3.1.1.i The SAR-CWFS components must be resistant to rust, corrosion, fungus and mold.	After testing, cleaning and storage, the equipment will be inspected for evidence of rust, corrosion, fungus and mold. It will be scored with the least amount of visual evidence given the highest score and the more signs of damage given the lowest score.		6	
SOW 3.1.2.b The SAR-CWFS must be light weight.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Is the equipment light weight.		6	
SOW 3.1.2.c The SAR-CWFS must provide for rapid donning and doffing during operations in FW or RW aircraft. Test wearer must be able to fully unpack, don and secure the SAR-CWFS without assistance in less than 2 minutes while not in a confined space and in less than 5 minutes within a confined space. The wearer must be able to easily and rapidly doff the SAR-CWFS without any assistance.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Can the equipment be donned: - in 2 min in a non-confined space - in 5 min in a confined space 2) Can the equipment be doffed easily and rapidly. 3) Can it be done without assistance.		6	
SOW 3.1.2.d The SAR-CWFS must fit comfortably and securely regardless if the wearer is standing, sitting, kneeling, bending, reaching or twisting without causing undue strain on the user during operations.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) The equipment will be evaluated and rated on security, comfort, fit and mobility.		5	

SOW 3.1.2.f The SAR-CWFS must allow for ease of movement in all lighting and environmental conditions within the SAR Tech work environment.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) The equipment will be evaluated and rated on ease of movement in all conditions.		5	
SOW 3.1.2.g The SAR-CWFS must not interfere with normal body mechanics nor hinder any movement of the SAR Tech in all facets of the mission.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) The equipment will be evaluated and rated on body mechanics.		4	
SOW 3.1.2.h The SAR-CWFS must allow for easy single handed access to all components using all approved SAR Tech gloves while in extreme environmental conditions.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Can the user access all components single handed with approved gloves on.		4	
SOW 3.1.2.i The SAR-CWFS must be streamlined and low profile to add to the ease of use during operations. External components must be compact and low profile so as to not create snagging hazard.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Is the equipment low profile and snag resistant.		5	
SOW 3.1.2.j The SAR-CWFS must be able to be stowed easily in an aircraft.	Does the equipment under test easily stow in all DND aircraft.		3	

SOW 3.1.2.k The SAR-CWFS must have external self-draining pockets that allow for storage of small equipment without compromising movement and one medium sized pocket to store a radio (SLB 1000 sized 177 x 90 x 55 mm weight including batteries 635 g). The pockets must have a method of keeping their contents secured while performing operations.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Pockets are self-draining. 2) Pockets have a method of retaining contents. 3) Pockets do not compromise movement.		3	
SOW 3.1.2.l The SAR-CWFS must provide a method/mechanism for urination for both male and female SAR Techs	The equipment under test will be evaluated as follows: 1) Does the equipment provide a method/mechanism for both male and female users to urinate.		2	
SOW 3.1.2.m The SAR-CWFS must be compatible with all existing SAR Tech rescue equipment and fit comfortably without any modification to the SAR-CWFS ensemble.	Equipment will undergo testing in the normal SAR environment performing routine operational tasks. The equipment under test will be evaluated as follows: 1) Does the equipment function with all SAR Tech rescue equipment without need of modification. 2) Does the equipment fit comfortably with all SAR Tech rescue equipment.		2	
SOW 3.1.2.o The SAR-CWFS must be compatible with footwear that is a height of 7.5 inches to 9 inches tall.	The equipment under test will be evaluated as follows: 1) Does the equipment fit with all SAR Tech footwear .		1	
SOW 3.1.4.b The SAR-CWFS must be durable and able to sustain daily use in training and mission scenarios. The areas of primary concern are the knees, elbows and buttocks. It must be puncture resistant to the environment that the equipment is worn in (i.e. floating wreckage and debris).	Equipment will undergo testing in the normal SAR environment. After testing the equipment will be inspected for damage and scored with the least amount of visual damage given the highest score and the more signs of damage given the lowest score.		5	

Solicitation No. - N° de l'invitation

W8485-174376/A

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

W8485-174376

Amd. No. - N° de la modif.

File No. - N° du dossier

pr735. W8485-174376

Buyer ID - Id de l'acheteur

pr735

CCC No./N° CCC - FMS No./N° VME

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Outcome

Evaluator Signature

**ANNEX "B"**  
**BASIS OF PAYMENT**

1. ADDRESSES

Destination Address	Invoicing Address
25 CFSD Receipts Section CFB Montreal 6363 Notre-Dame Est Montreal, Qc H1N 3V9	Departement of National Defence NDHQ DGAEPM 101 Colonel By Drive Ottawa, Ontario K1A OK2 Att DAP 2-2-4

**2. DELIVERABLES**

**2.1 Firm Quantity**

Item	Description	Firm Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
1	Complete SAR-CWFS ensemble	367	Each	\$ _____

**2.2 "As and When Requested" Quantity**

**2.2.1 Special sizes**

Item	Description	Estimated Quantity for 3 years	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
2	Complete SAR-CWFS ensemble (special sizes)	30	EA	\$ _____

**2.2.2. Spare Parts**

**Refer to Annex C (item 3)**

## 2.3 OPTIONS

Item	Description	Estimated Quantity (for evaluation purposes only)	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
4	Complete SAR-CWFS ensemble	180	ea	Year 1 \$ _____ Year 2 \$ _____ Year 3 \$ _____

**Year 1: ordered within 12 months from contract award**

**Year 2: ordered within 13-24 months from contract award**

**Year 3: ordered within 25-36 months from contract award**

## 3. "AS AND WHEN REQUESTED" QUANTITIES - Items 2 and 3 (for item 3 Refer to spare parts in Annex C).

Under this Contract, the Contractor is required to provide items 2 and 3 to Canada on an "as and when requested" basis. Except as expressly provided in this Contract, Canada is not obliged to request any such goods under this Contract and this Contract does not represent a commitment to purchase such goods exclusively from the Contractor.

DND may issue orders for "as and when requested" quantities directly to the Contractor detailing the exact quantities of goods being ordered and the delivery date during the effective period and in accordance with the predetermined conditions.

Order for "as and when requested" quantities will be made on PWGSC-TPSGC Form 942.

The period for placing "as and when requested" orders will be 36 months from contract award

DND is requesting that delivery of the "as and when requested" quantity be made within 60 **calendar days** after receipt of order document

Deliveries made against orders of the "as and when requested" quantities will be inspected by the Consignee at destination.

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**Financial Limitation**

The total cost to Canada resulting from orders of "as and when requested" quantities must not exceed the sum of \$ \_\_\_\_\_ (to be established at contract), applicable taxes extra, unless otherwise authorized in writing by the Contracting Authority. The Contractor must not be obligated to perform any work or services or supply any articles in response to orders which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

**4. OPTION QUANTITIES - Identified as item 4**

The Contractor grants to Canada the irrevocable option to acquire the goods described under item 4 under the same terms and conditions and at the prices stated in the Contract.

The option may only be exercised by the Contracting Authority. The maximum quantity is 180 (for all amendments in total) and distributed amongst sizes and will be evidenced through a contract amendment

Multiple amendments may result

**ANNEX "C"**  
**SPARE PARTS LIST "AS AND WHEN REQUESTED"**

**ITEM 3**

DESCRIPTION	PART NUMBERS AND NSN (IF AVAILABLE)	SHELF LIFE (IF ANY)	PRICE YEAR 1	PRICE YEAR 2	PRICE YEAR 3

**NOTE:** Company specific part numbers that carry a common industry associated part number must have both part numbers listed

**Year 1: ordered within 12 months from contract award date**

**Year 2: ordered within 13-24 months from contract award date**

**Year 3: ordered within 25-36 months from contract award date**

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**ANNEX "D"**  
**to PART 3 OF THE BID SOLICITATION**

**ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ ( ) VISA Acquisition Card;
- ☐ ( ) MasterCard Acquisition Card;
- ☐ ( ) Direct Deposit (Domestic and International);
- ☐ ( ) Electronic Data Interchange (EDI);
- ☐ ( ) Wire Transfer (International Only);
- ☐ ( ) Large Value Transfer System (LVTS) (Over \$25M)

**ANNEX "E"**  
**to PART 5 OF THE BID SOLICITATION**  
**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 permanent full-time and/or permanent part-time employees.

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)