



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

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**

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

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

National Individual Standing Offer (NISO)  
Offre à commandes individuelle nationale (OCIN)

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

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

**Comments - Commentaires**

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

**Issuing Office - Bureau de distribution**  
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> CCG Helicopter Immersion Suit	
<b>Solicitation No. - N° de l'invitation</b> F7054-180001/A	<b>Date</b> 2017-11-06
<b>Client Reference No. - N° de référence du client</b> F7054-180001	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$PR-761-73691
<b>File No. - N° de dossier</b> pr761.F7054-180001	<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 2017-12-19</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST	
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Beaumier, Julie	<b>Buyer Id - Id de l'acheteur</b> pr761
<b>Telephone No. - N° de téléphone</b> (613)851-9981 ( )	<b>FAX No. - N° de FAX</b> (819)956-3814
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF FISHERIES AND OCEANS OPERATION PERSONNEL-FLEET 200 KENT ST OTTAWA Ontario K1A0E6 Canada	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

## TABLE OF CONTENTS

### **PART 1 - GENERAL INFORMATION**

- 1.1 INTRODUCTION
- 1.2 SUMMARY
- 1.3 DEBRIEFINGS

### **PART 2 - OFFEROR INSTRUCTIONS**

- 2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS
- 2.2 SUBMISSION OF OFFERS
- 2.3 ENQUIRIES - REQUEST FOR STANDING OFFERS
- 2.4 APPLICABLE LAWS
- 2.5 SPECIFICATIONS AND STANDARDS

### **PART 3 - OFFER PREPARATION INSTRUCTIONS**

- 3.1 OFFER PREPARATION INSTRUCTIONS

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

- 4.1 EVALUATION PROCEDURES
- 4.2 BASIS OF SELECTION

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

- 5.1 CERTIFICATIONS REQUIRED WITH THE OFFER
- 5.2 CERTIFICATIONS PRECEDENT TO THE ISSUANCE OF A STANDING OFFER AND ADDITIONAL INFORMATION

### **PART 6 – FINANCIAL REQUIREMENTS**

- 6.1 FINANCIAL CAPABILITY

### **PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**

#### **A. STANDING OFFER**

- 7.1 OFFER
- 7.2 SECURITY REQUIREMENT
- 7.3 STANDARD CLAUSES AND CONDITIONS
- 7.4 TERM OF STANDING OFFER
- 7.5 AUTHORITIES
- 7.6 IDENTIFIED USERS
- 7.7 CALL-UP INSTRUMENT
- 7.8 LIMITATION OF CALL-UPS
- 7.9 FINANCIAL LIMITATION
- 7.10 PRIORITY OF DOCUMENTS
- 7.11 CERTIFICATIONS AND ADDITIONAL INFORMATION
- 7.12 APPLICABLE LAWS
- 7.13 PLANT CLOSING
- 7.14 PLANT LOCATION

- 7.15 ORIGIN OF WORK - DISCLOSURE OF INFORMATION
- 7.16 SPECIFICATIONS AND STANDARDS

## **B. RESULTING CONTRACT CLAUSES**

- 7.1 REQUIREMENT
- 7.2 STANDARD CLAUSES AND CONDITIONS
- 7.3 TERM OF CONTRACT
- 7.4 PAYMENT
- 7.5 INVOICING INSTRUCTIONS
- 7.6 INSURANCE
- 7.7 SUBCONTRACTORS
- 7.8 OVERSHIPMENT
- 7.9 MATERIALS : CONTRACTOR TOTAL SUPPLY
- 7.10 DELIVERY
- 7.11 PRE-PRODUCTION SAMPLE

### **LIST OF ANNEXES:**

#### **ANNEX "A" - REQUIREMENT**

1. TECHNICAL REQUIREMENT
2. ADDRESSES
3. DELIVERABLES

#### **ANNEX "B"**

QUARTERLY REPORT TEMPLATE

#### **ANNEX "C " to PART 3 OF THE REQUEST FOR STANDING OFFERS**

ELECTRONIC PAYMENT INSTRUMENTS

#### **ANNEX "D" STATEMENT OF OPERATIONAL REQUIREMENTS (SOR)**

PASSENGER IMMERSION SUIT SYSTEM

## PART 1 - GENERAL INFORMATION

### 1.1 Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3 Offer Preparation Instructions: provides Offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by Offerors; and
- Part 7 7A, Standing Offer, and 7B, Resulting Contract Clauses:
  - 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
  - 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Requirement, the Statement of Requirement and any other annexes

### 1.2 Summary

The requirement is for a reliable and functional Constant Wear, Dry-type, Immersion Suit System for the Department of Fisheries and Oceans, more specifically, Canadian Coast Guard (CCG) personnel across Canada.

The period of the standing offer is for 3 years with a possibility of two (2) one year extension.

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

### 1.3 Debriefings

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

## **PART 2 - OFFEROR INSTRUCTIONS**

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

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

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

The 2006 (2016/04/04) - Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of [2006](#), Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

### **2.2 Submission of Offers**

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

### **2.3 Enquiries - Request for Standing Offers**

All enquiries must be submitted in writing to the Standing Offer Authority no later than seven (7) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

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

### **2.4 Applicable Laws**

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

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

### **2.5 Specifications and Standards**

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

The Offeror 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

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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 offer 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>

## **PART 3 - OFFER PREPARATION INSTRUCTIONS.**

### **3.1. Offer Preparation Instructions**

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

Section I: Technical Offer (3 hard copies)  
Section II: Financial Offer (1 hard copy)  
Section III: Certifications (1 hard copy)  
Section IV: Additional Information (1 hard copy)  
Prices must appear in the financial offer only. No prices must be indicated in any other section of the offer.

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

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

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

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

In their technical offer, Offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work (reference Part 4, Evaluation Procedures).

### **Section II: Financial Offer**

Offerors must submit their financial offer in accordance with Annex A - Basis of Payment.

#### **3.1.1 Electronic Payment of Invoices - Offer**

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

If Annex "C" 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**

Offerors 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, offerors 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 Offeror 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:

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

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

### **4.1 Evaluation Procedures**

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

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1 Supporting Documentation**

As part of the technical evaluation, to confirm a Offeror's capability of meeting the technical requirements, the following items must be included with the bid:

Document	Annex D reference
Knowledge Transfer	8.14.6
Certifications, technical capabilities and test reports	8.14.7
Corporate Profile and Experience	8.14.8
Project Management	8.14.9
Project Plan	8.14.10

If supporting documentation is not submitted with the bid, the Contracting Authority will inform the Offeror in writing and provide the Offeror with two (2) working days from the request to submit the supporting documentation. Failure to comply with the request within the specified timeframe will result in the bid being declared non-responsive.

#### 4.1.2 Financial Evaluation

##### 4.1.2.1 Mandatory Financial Criteria

- a. The Offeror must submit firm unit prices in Canadian dollars, applicable taxes excluded, DDP (call up destination) Incoterms 2000, transportation costs extra, all applicable Customs Duties and Excise taxes included.
- b. The Offeror must submit firm unit pricing for all items.

#### 4.2 Basis of Selection

An offer must comply with all requirements of the RFSO and meet all mandatory technical and financial evaluation criteria to be declared responsive.

The responsive offer with the lowest responsive aggregate price will be recommended for the issuance of a standing offer (1 standing offer only). Ranking will be established using the estimated quantities for all items including extensions.

### PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Offerors to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

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

#### 5.1 Certifications Required with the Offer

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

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

In accordance with the Integrity Provisions of the Standard Instructions, all offerors must provide with their offer, **if applicable**, the declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

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

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

### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Offeror 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 - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list ) available at the bottom of the page of the Employment and Social Development Canada-Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>).

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

## PART 6 - FINANCIAL REQUIREMENTS

### 6.1 Financial Capability

SACC Manual clause [M9033T](#) (2011/05/16) Financial Capability

## PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

### A. STANDING OFFER

#### 7.1 Offer

7.1.1 The Offeror offers to fulfill the requirement in accordance with the Requirement at Annex "A".

#### 7.2 Security Requirements

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

#### 7.3 Standard Clauses and Conditions

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

### **7.3.1 General Conditions**

2005 (2016/04/04) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

### **7.3.2 Standing Offers Reporting**

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases ordered, including purchases paid for by a Government of Canada Acquisition Card.

The Offeror must provide an electronic version of this data in accordance with the reporting requirements detailed in Annex "B". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

1st quarter: April 1, to June 30;  
2nd quarter: July 1 to September 30;  
3rd quarter: October 1 to December 31;  
4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than 15 calendar days after the end of the reporting period.

## **7.4 Term of Standing Offer**

### **7.4.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer begins the date of offer issuance and ends 36 months later.

### **7.4.2 Extension of Standing Offer**

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for two (2) additional one year periods, under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority 60 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

## **7.5 Authorities**

### **7.5.1 Standing Offer Authority**

The Standing Offer Authority is:

Julie Beaumier  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial and Consumer Products Directorate (CCPD)  
Clothing & Textiles Division  
Place du Portage, Phase III, 6A2  
11 Laurier Street

Solicitation No. - N° de l'invitation  
F7054-180001/A  
Client Ref. No. - N° de réf. du client  
F7054-180001

Amd. No. - N° de la modif.  
File No. - N° du dossier  
pr761.F7054-180001

Buyer ID - Id de l'acheteur  
pr761  
CCC No./N° CCC - FMS No./N° VME

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Gatineau, Quebec K1A 0S5

Telephone : 613-851-9981 Facsimile: 819-956-5454  
E-mail address: Julie.Beaumier@tpsgc-pwgsc.gc.ca

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

### 7.5.2 Project Authority

The Project Authority for the Standing Offer is:

**(to be advised at contract)**

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

### 7.5.3 Technical Authority

The Technical Authority for the Standing Offer is:

(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 Standing Offer and is responsible for all matters concerning the technical content of the Work under the Standing Offer. 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 Standing Offer Revision issued by the Standing Offer Authority.

### 7.5.4 Offeror's Representative

The person responsible for:

#### General enquiries

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

#### Delivery follow-up

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

### 7.6 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is:

#### Atlantic Region

Lucille Pumphrey (St. John's)  
(709) 772-4403

Chris A. Corkum (Dartmouth)  
(902) 426-0714

**Central and Arctic Region**

Patrick Larouche (Québec)  
(418) 648-4671  
Jane Katter (Sarnia)  
(519) 464-5041

**Western Region**

Randy Lyons (Secondary)  
(250) 480-2632  
Rob Bola (Primary)  
(250) 480-2752

**7.7 Call-up Instrument**

The Work will be authorized or confirmed by Identified User(s) using the duly completed forms or their equivalents as identified in paragraphs 1 and 2 below, or by using Canada acquisition cards (Visa or MasterCard) for low dollar value requirements..

1. Call-ups must be made by Identified Users' authorized representatives under the Standing Offer and must be for goods or services or combination of goods and services included in the Standing Offer at the prices and in accordance with the terms and conditions specified in the Standing Offer.
2. Any of the following forms could be used which are available through [PWGSC Forms Catalogue](#) website:
  - PWGSC-TPSGC 942 Call-up Against a Standing Offer
  - PWGSC-TPGSC 942-2 Call-up Against a Standing Offer - Multiple Delivery
  - PWGSC-TPSGC 944 Call-up Against Multiple Standing Offers (English version)
  - PWGSC-TPSGC 945 Commande subséquente à plusieurs offres à commandes (French version)

OR

3. An equivalent form or electronic call-up document which contains at a minimum the following information:
  - standing offer number;
  - statement that incorporates the terms and conditions of the Standing Offer;
  - description and unit price for each line item;
  - total value of the call-up;
  - point of delivery;
  - confirmation that funds are available under section 32 of the Financial Administration Act;
  - confirmation that the user is an Identified User under the Standing Offer with authority to enter into a contract.

**7.8 Limitation of Call-ups**

Individual call-ups against the Standing Offer must not exceed \$100,000.00 (Applicable Taxes included).

## 7.9 Financial Limitation

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

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

## 7.10 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 call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2016/04/04), General Conditions - Standing Offers - Goods or Services;
- d) the general conditions 2030 (2016/04/04), General Conditions – Higher Complexity - Goods
- e) Annex “A” - Requirement;
- f) Annex “D” – Statement of Operational Requirements
- g) the Offeror’s offer dated \_\_\_\_\_.

## 7.11 Certifications and Additional Information

### 7.11.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Offeror with its offer or precedent to issuance of the Standing Offer (SO), and the ongoing cooperation in providing additional information are conditions of issuance of the SO and failure to comply will constitute the Offeror in default. Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO.

## 7.12 Applicable Laws

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

## 7.13 Plant Closing

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

FY18/19

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

FY19/20

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

FY20/21

Summer Holiday	FROM _____	TO _____
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Solicitation No. - N° de l'invitation  
F7054-180001/A  
Client Ref. No. - N° de réf. du client  
F7054-180001

Amd. No. - N° de la modif.  
File No. - N° du dossier  
pr761.F7054-180001

Buyer ID - Id de l'acheteur  
pr761  
CCC No./N° CCC - FMS No./N° VME

Christmas Holiday FROM \_\_\_\_\_ TO \_\_\_\_\_

FY21/22

Summer Holiday FROM \_\_\_\_\_ TO \_\_\_\_\_  
Christmas Holiday FROM \_\_\_\_\_ TO \_\_\_\_\_

FY22/23

Summer Holiday FROM \_\_\_\_\_ TO \_\_\_\_\_  
Christmas Holiday FROM \_\_\_\_\_ TO \_\_\_\_\_

#### 7.14 Plant Location

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

#### 7.15 Origin of Work - Disclosure of Information

1. For each line item, the Offeror 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 Offeror or one of its subcontractor(s).

2. The Offeror agrees that Canada may publicly disclose the information provided with respect the countries of origin.

3. The Offeror must immediately inform Canada in writing of any and all changes affecting the information provided under this clause during the entire contract period.

#### 7.16 Specifications and Standards

##### 7.16.1 United States Military Specifications and Standards

The Offeror 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)

##### 7.16.2 Canadian General Standards Board (CGSB) - Standards

A copy of the CGSB Standards referred to in the Standing Offer 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>

#### B. RESULTING CONTRACT CLAUSES

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

##### 7.1 Requirement

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

##### 7.2 Standard Clauses and Conditions

## 7.2.1 General Conditions

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

## 7.3 Term of Contract

### 7.3.1 Delivery Date

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

## 7.4 Payment

### 7.4.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price, as specified in the line item detail in Annex A 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 Standing Offer Authority before their incorporation into the Work.

### 7.4.2 SACC Manual Clauses

H1001C	2008-05-12	Multiple Payments
C2000C	2007-11-30	Taxes - Foreign-based Contractor
C5201C	2008-05-12	Prepaid Transportation Costs

### 7.4.3 Electronic Payment of Invoices – Call-up

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

## 7.5 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

2. Invoices must be distributed as follows:

(a) One (1) copy must be forwarded to the following address:

Fisheries and Oceans  
Director, Operational Support Fleet  
200 Kent Street  
Ottawa, Ontario  
K1A 0E6  
Attn: Grant Ivey

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

## 7.6 Insurance

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

## 7.7 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.

## 7.8 Overshipment

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

## 7.9 Materials: Contractor 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

## 7.10 Delivery

### 7.10.1 Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the call-up document and delivered:

(a) DDP Delivered Duty Paid (DDP) (call up destination) Incoterms 2000 for shipments from a commercial contractor delivery date specified in the Contract, whichever is later.

### 7.10.2 Packaging

Packing must be in accordance with standard commercial practice to ensure safe delivery at destination.

## 7.11 Pre-Production Sample

1. The Contractor must provide a pre-production sample of the item to the Technical Authority for acceptance within \_\_\_ calendar days from date of contract award.

2. If the pre-production sample is rejected, the Contractor must submit a second pre-production sample within \_\_\_\_\_ calendar days of notification of rejection from the Technical Authority.

3. If the pre-production sample is accepted by either full acceptance or conditional acceptance, the Contractor must proceed with production as per the Contract requirements.

4. Rejection by the Technical Authority of the second pre-production sample submitted by the Contractor for failing to meet the contract requirements will be grounds for termination of the Contract for default.

5. The Contractor must carry out all required inspection and tests to verify conformance to the technical requirements of the Contract.

6. In addition to providing the pre-production sample, the Contractor must provide a copy of the inspection reports and Certificates of compliance, as applicable, to the Contracting Authority and Technical Authority, transportation charges prepaid, and without charge to Canada.

7. The pre-production sample submitted by the Contractor will remain the property of Canada.
8. The Technical Authority will notify the Contractor, in writing, of the full acceptance, conditional acceptance, or rejection of the pre-production sample. A copy of this notification will also be provided by the Technical Authority to the Contracting Authority. The notice of the full acceptance or conditional acceptance does not relieve the Contractor from complying with all requirements and conditions of the Contract.
9. The Contractor must not commence or continue with production of the items and must not make any deliveries until the Contractor has received a written notification from the Technical Authority that the pre-production sample is fully acceptable or conditionally acceptable. Any production of items before pre-production sample acceptance will be at the sole risk of the Contractor.
10. The pre-production sample may not be required if the Contractor is currently in production. The request for waiver of pre-production sample must be made by the Contractor in writing to the Contracting Authority. The waiving of this requirement will be at the sole discretion of the Technical Authority and will be evidenced through a contract amendment.

**ANNEX "A"  
 REQUIREMENT**

**1. TECHNICAL REQUIREMENT**

The Offeror is required to provide Canada for the Department of Fisheries and Oceans with Immersion Suits in accordance with Annex D Statement of Operational Requirements (SOR) for Passenger Immersion Suit System dated January 29, 2016.

**2. ADDRESSES**

Destination Address	Invoicing Address
To be specified in call up	To be specified in call up

**3. DELIVERABLES**

Item	Description	Estimated Quantity per year	Unit of Issue	Firm Unit Price, DDP, Transportation costs and Applicable Taxes extra		
				Year 1	Year 2	Year 3
1	<u>Immersion Suit System</u>	50	Each	\$ _____	\$ _____	\$ _____

**EXTENSION YEAR ONE**

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs and, Applicable Taxes extra
2	Immersion Suit System	50	Each	\$ _____

**EXTENSION YEAR TWO**

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs and Applicable Taxes extra
3	Immersion Suit System	50	Each	\$ _____



Solicitation No. - N° de l'invitation  
F7054-180001/A  
Client Ref. No. - N° de réf. du client  
F7054-180001

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pr761.F7054-180001

Buyer ID - Id de l'acheteur  
pr761  
CCC No./N° CCC - FMS No./N° VME

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## **ANNEX "C" to PART 3 OF THE REQUEST FOR STANDING OFFERS**

### **ELECTRONIC PAYMENT INSTRUMENTS**

The Offeror accepts to be paid by 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)

**Statement of Operational Requirements (SOR)**  
Passenger Immersion Suit System**1.0 INTRODUCTION****1.1 Aim**

The aim of this document is to identify the requirements for the procurement of a safe, reliable and functional Constant Wear, Dry-type<sup>1</sup>, Immersion Suit System for use by all personnel and passengers aboard Canadian Coast Guard (CCG) helicopters and all CCG personnel aboard non-CCG helicopters chartered for CCG operations.

**1.2 Objective**

The objective of this document is to provide CCG personnel and passengers with a Constant Wear Immersion Suit System (CWISS) to enhance safety in the unlikely event of a helicopter ditching scenario.

**2.0 BACKGROUND****2.1 General**

The CCG owns and operates vessels and aircraft which provide key maritime services to Canadians.

As a special operating agency of the Department of Fisheries and Oceans Canada (DFO), the CCG helps DFO meet its responsibility to ensure safe and accessible waterways for Canadians.

The CCG must provide its own and other personnel travelling as passengers aboard CCG helicopters and CCG personnel aboard non-CCG helicopters chartered for CCG operations with protection against hypothermia in the event of immersion in a cold water environment as a result of an emergency ditching on the water. A new policy, CCG Operations – Helicopter Immersion Suit Policy, was promulgated in May of 2015 (Operations Circular (OC) 07-2015) (Annex A) identifying new requirements for personal protective equipment (PPE) which need to be addressed in an official Statement of Operational Requirements (SOR). The CCG is committed to providing protective equipment solutions for its

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<sup>1</sup> Dry-type immersion suit refers to one that provides a barrier between the wearer and the water and is suitable for helicopter operations

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System  
personnel and passengers that can be exposed to hazardous environments. The acquisition of the CWISS will enhance safety and protection.

## **2.2 Canadian Coast Guard Helicopter Operations**

Helicopters support a number of CCG programs such as Aids to Navigation, Icebreaking services, Marine Communication Traffic Services, Search and Rescue and Environmental Response, as well as the programs of DFO and other government departments such as the Royal Canadian Mounted Police, Canada Border Services Agency, Environment Canada and the Department of National Defence. CCG helicopters perform activities such as ice reconnaissance, maintenance and construction of aids to navigation and telecommunications equipment, personnel and cargo transfer between ship and shore, and support to science and fisheries enforcement.

## **3.0 RESPONSIBILITIES**

### **3.1 Contractor Responsibilities**

The Contractor will:

- a. for evaluation criteria purposes provide the CCG with a final design example of the CWISS equivalent to the specifications outlined in the Requirements Table in section 8.15;
- b. provide CCG with support and training in the proper use and handling of the CWISS, including maintenance and made to measure alterations;
- c. provide documentation and procedures to support the proper donning and doffing of the CWISS, maintenance, made to measure alterations and proper handling and storage methods;
- d. provide documentation to support the Life Cycle Maintenance Requirements<sup>2</sup>; and
- e. deliver the CWISS within the timelines specified in this document

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<sup>2</sup> Life Cycle Maintenance is an industry term used to maintain a product throughout its life and having the technical capability (tools and test procedures) in place to keep the product serviceable as required

Canadian Coast Guard, Operations Directorate

Statement of Operational Requirements (SOR), Passenger Immersion Suit System

The Contractor must assign a Single-Point-of-Contact who will work in conjunction with the CCG Project Authority (PA) and assume responsibility for the CCG/Contractor interaction. During the contract period, the Contractor will:

- f. work with the PA to establish and implement tools, techniques, and processes designed to effectively manage the contract;
- g. monitor all resources and sub-contractors providing services/deliverables in accordance with project requirements;
- h. liaise with the PA and/or the PA's designate on all matters concerning technical aspects of the work and the performance of Contractor resources; and
- i. immediately advise the PA of any prospective delays in reaching milestone deliverables.

### **3.2 CCG Responsibilities**

The CCG will:

- a. appoint a PA who will maintain the Client/Contract Authority (CA) relationship on behalf of the CCG;
- b. provide any information deemed necessary to support the project; and
- c. facilitate contact and participation with CCG stakeholders.

### **3.3 Public Works and Government Services Canada (PWGSC) Responsibilities**

PWGSC will:

- a. appoint a CA who will maintain the Client (CCG)/Contractor relationship;
- b. work with the PA and Contractor to establish and implement tools, techniques, and processes designed to effectively manage the contract;
- c. monitor all Contractor resources providing services/deliverables in accordance with project requirements;

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

- d. liaise with the PA and/or the PA's designate on all matters concerning technical aspects of the work and the performance of Contractor resources;
- e. facilitate contact and participation with the Contractor; and
- f. immediately advise the PA of any prospective delays in reaching milestone deliverables.

## **4.0 ENVIRONMENT**

### **4.1 General**

CCG Personnel and passengers aboard CCG helicopters and all CCG personnel aboard non-CCG helicopters chartered for CCG operations conduct operations throughout broad and complex physical and meteorological environments. The CWISS needs to be capable of providing immersion protection to CCG personnel and passengers without an undue increase in the discomfort to the wearer throughout the entire continuum of operations.

### **4.2 Physical Environment**

Areas of operations for personnel and passengers includes the maritime regions in the Arctic and on Canada's east and west coasts and the Great Lakes. Helicopter personnel and passengers shall fulfill operations from harsh and unprepared locations and under conditions of blowing snow, fresh water, salt water and debris.

### **4.3 Meteorological Environment**

The climates in which personnel and passengers operate range from the snow and intense cold of the Arctic to the rain and fog of the littoral environment. Flight operations will routinely be conducted at the minimum operational weather limits as specified in Annex A. Personnel and passengers will be required to conduct flight operations in a temperature spectrum of -40°C to 30°C, over seawater that could be as cold as -2°C, with humidity ranging from 0 to 100%.

## **5.0 CONCEPT OF USE**

### **5.1 General**

Canadian Coast Guard, Operations Directorate

Statement of Operational Requirements (SOR), Passenger Immersion Suit System

The CWISS will be a basic item available when requirements demand it for all CCG personnel aboard CCG helicopters and non-CCG helicopter chartered for CCG operations. It will be utilized for all over water helicopter operations in accordance with the CCG's Operations Circular (OC) 07-2015. It will be utilized for limited pre-deployment training, such as Helicopter Underwater Egress Training (HUET).

Personnel and passengers must have confidence that the CWISS will provide cold water immersion protection in accordance with the required system effectiveness specified in section 8.0.

## **6.0 USER CHARACTERISTICS**

### **6.1 Physical**

The CWISS must be provided in a range of sizes that accommodates the complete CCG personnel anthropometric spectrum.

### **6.2 Morale**

All personnel and passengers must have confidence in their personal protective equipment (PPE), including such items as the CWISS. To that end, the CWISS must instill confidence in the personnel and passengers that:

- a. it will not degrade their ability to perform any assigned helicopter tasks;
- b. it will sustain their life in the event of an accident to the extent for which it is designed;
- c. it will not hinder an underwater egress from a helicopter, nor negatively affect the buoyancy provided by the life preserver; and
- d. the encumbrance of additional weight of the CWISS and/or the moderate discomfort associated with its wear, particularly when ambient air temperatures are high, merits the added protection that it provides.

## **7.0 DESIGN & CONCEPT GUIDANCE**

### **7.1 General**

The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System  
operational and environmental conditions. It is envisioned that the  
CWISS will incorporate the following components:

- a. Constant Wear Immersion Suit (CWIS);
- b. Immersion Suit Liner (ISL);
- c. immersion suit socks;
- d. immersion survival hood; and
- e. immersion mitts or gloves.

## **7.2 Donning & Doffing**

Personnel and passengers must be able to don and doff the CWISS without assistance. Training staff from regional SAR Operational Support and Training sections will be required for the initial fittings and new equipment training. Routine training support will be required for annual training, as well as periodic inspections and repairs.

## **7.3 Performance Criteria**

In specifying the different performance requirements, two levels of measurement will be used. They are defined as follows:

### **7.3.1 Essential**

An essential requirement is a criterion that must be met. Performance thus designated is deemed to be so important that even if a contender's CWISS meets all other essential criteria and all desirable criteria, but fails to meet one essential criterion, that CWISS will be rejected. The words "shall" or "must" are to be considered synonymous with essential; and

### **7.3.2 Desirable**

Desirable criteria are used to promote more sensitive evaluation of contending items that meet all essential requirements. A desirable criterion describes a performance requirement where performance better than the stated essential level is deemed to have significant operational value. The word "should" is to be considered synonymous with desirable.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

#### **7.4 Clothing/PPE Compatibility**

The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with:

- a. approved air personnel and passenger undergarments;
- b. air personnel and passenger boots;
- c. applicable Personal Floatation Device (PFD);
- d. passenger crew restraint Harness/Tether;
- e. passenger crew torso harness; and
- f. helmets and associated hardware as applicable to the aircraft concerned.

#### **7.5 Design**

The CWISS must be a commercial off the shelf product currently in commercial use or suitable for use in the helicopter offshore industry.

##### **7.5.1 Fit**

The CWISS shall be designed to minimize bulk and maximize personnel and passenger mobility, particularly when used in conjunction with PPE, specifically the Torso Harness, as well as during normal operations or a ditched helicopter scenario. The CWIS and ISL must be compatible and sized appropriately to reduce excess bulk while ensuring that sleeves/legs provide sufficient protection. The suit shall be designed for individual use and provide a proper fit.

##### **7.5.2 Size**

The CWISS must be available in a sufficient range of sizes in suitable increments.

The CWISS must be available for custom fit(s) to accommodate personnel who fall outside range of sizes.

##### **7.5.3 Weight**

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

The CWISS must not cause undue aircraft fatigue during a standard operation.

#### **7.5.4 Comfort**

The CWISS must allow for ease of movements that is harmonized with passenger workstation ergonomics and provides no unacceptable restriction to movement (limb, torso, and head) for air passengers in the performance of their duties. The CWISS (in combination with any approved PPE) shall not restrict the wearer from safely and easily ascending or descending a ladder where the rungs are space 18 inches apart. The CWISS must be built of free of any ingredient likely to cause irritation of the skin or offensive odour, or any other objectionable properties.

#### **7.5.5 Colour**

The Constant Wear Immersion Suit (CWIS) must be a high visibility colour, specifically International orange.

#### **7.5.6 Enhanced Visibility**

The CWIS shall include enhanced visibility devices (e.g. retro-reflective bands or patches) to enhance visual detection during day or night.

#### **7.5.7 Heat Loading**

The CWISS must not cause heat stress to air passengers when wearing all components of the system and approved PPE at temperatures of up to 25°C with a relative humidity of 90%.

#### **7.5.8 Identification**

Each component of the CWISS must include a method/label to allow the user to record their last name. Each immersion suit will be identified by a serial number.

#### **7.5.9 Storage**

CCG personnel and passengers must be able to store the CWISS for an extended period without the requirement for special/extraordinary precautions.

#### **7.5.10 Constant Wear Immersion Suit (CWIS)**

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

**7.5.10.1 General**

The CWIS when combined with the other components of the CWISS will provide the required level of cold water immersion protection as defined in section 8.0.

The CWIS shall not have any pointed or sharp edges that could damage the life preserver, a survival raft or any other PPE.

The CWIS must not present any snag hazards or protuberances that could compromise safe egress or any other activity.

**7.5.10.2 Breathability**

The CWIS must be made of waterproof, breathable materials consisting of a:

- a. expanded polytetrafluoroethylene membrane;
- b. 3 layer construction where above membrane is bonded to the outer fabric and inner lining providing less wear and tear and enhanced durability; and
- c. durable water repellent (DWR) coating

**7.5.10.3 Waterproof Zippers**

The CWIS shall have waterproof zippers wherever used for user donning access.

**7.5.10.4 Neck Seal**

The neck seal must be constructed of neoprene, adjustable and, to the maximum extent possible, should be one size fits all.

**7.5.10.5 Wrist Seals**

The wrist seals must be made from neoprene or similar material and cut to fit.

**7.5.10.6 Ankle/Wrist Over-Cuffs**

The CWIS must have ankle and wrist over cuffs with adjustable closures.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

**7.5.10.7 Pockets**

The CWIS shall have pockets for the storage of the immersion survival hood and immersion mitts or gloves.

Any/all pockets must have grommets to prevent water retention.

**7.5.10.8 Storm/Protective Collar**

The CWIS must have a multi-position lined storm/protective collar.

**7.5.10.9 Self-Purging Valve**

The CWIS must have a self-purging valve (“burping” ability) to allow the release of excess air trapped within the suit.

**7.5.10.10 Integrated Internal Suspenders**

The CWIS should have adjustable internal suspenders.

**7.5.11 Immersion Suit Liner (ISL)**

**7.5.11.1 General**

The ISL must be designed to work effectively and fit comfortably within the CWIS and immersion suit socks.

**7.5.11.2 Moisture Wicking**

The ISL must have a moisture wicking capability.

**7.5.11.3 Breathability**

The ISL must be made of breathable materials.

**7.5.11.4 Thermal Protection**

The ISL must provide adequate thermal protection during cold weather operations and/or open door operations. If necessary, two different weights of liner should be considered or the CWISS shall provide the option of donning additional layers of underwear under the ISL to provide additional protection

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System  
during cold weather operations. Additional layers shall not  
affect the buoyancy of the CWISS.

#### **7.5.12 Immersion Suit Socks**

The immersion suit socks must be integrated with the CWIS and designed to work effectively with the ISL.

The socks will have materials made of:

- a. expanded polytetrafluoroethylene membrane;
- b. 3 layer construction where above membrane is bonded to the outer fabric and inner lining providing less wear and tear and enhanced durability; and
- c. DWR coating.

The CWIS must have immersion socks that fit inside CCG personnel and passenger boots without resorting to an oversized boot.

The CWIS immersion socks shall be form fitting with every size on the scale or be a "J type" sock (3 sizes cover the standard scale). Universal tube socks should be available for use with spare CWISSs.

#### **7.5.13 Immersion Suit Survival Hood**

The CWISS will be provided with a survival hood made of neoprene that can be easily donned as required wither before or after aircraft egress and cold water immersion.

#### **7.5.14 Immersion Suit Mitts or Gloves**

The CWISS will be provided with immersion mitts or gloves that can be easily donned as required wither before or after aircraft egress and cold water immersion.

### **8.0 SYSTEM EFFECTIVENESS REQUIREMENTS**

#### **8.1 General**

The CWISS must provide CCG personnel and passengers with protection against hypothermia if immersed in a cold water environment without limiting their ability to perform normal routine in-flight duties pertaining to the specific occupation concerned.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

## **8.2 Standard Requirements**

Life cycle management capabilities must be provided, including the capability to perform leak testing on the CWIS outer shell, as well as proof of successful completion, in accordance with W.L. Gore standards for testing seams integrity with 3 pounds per square inch (PSI) of water in a constrained cage for 2 minutes and a 0.6 PSI of water inflation for full garment testing.

Life cycle maintenance must be completed in a maximum of 3 business days not including shipping and a schedule mutually agreed upon between the Contractor and the CCG.

## **8.3 Human Factors**

PPE orientation and training will be required for the initial fittings and new equipment training.

The CWISS shall not impede the donning or doffing of other required PPE.

The CWISS must not cause heat stress to CCG personnel and/or helicopter passengers when wearing all components of the system and approved PPE at temperatures of up to 25°C with a relative humidity of 90%.

The CWISS must have urination slide fastener. The slide fastener must be compatible with the Torso Harness and must allow access to the relief system for long duration missions, for both male and female CCG personnel and passengers.

## **8.4 Underwater Helicopter Egress**

The CWISS shall have neutral buoyancy.

The CWISS in combination with the PFD shall not adversely affect the self-righting characteristics of PPE used for flotation and must keep an unconscious person face up out of the water to prevent drowning.

## **8.5 Cold Water Immersion Protection**

The CWISS must have a minimum immersed Clo value of 0.75 when worn with the ISL.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

## **8.6 Durability**

The CWISS must be durable and resistant to damage during routine wear, donning and doffing.

The CWISS must withstand the daily high activity and high impact tasks of personnel whose activities cover a broad range of kneeling, lifting, and carrying tasks in an environment that has the potential for the suit material to become snagged, torn and worn. Reinforcement of areas prone to high wear such as the elbows, seat and knees is desirable.

The CWISS must withstand the exposure of being immersed in salt water, as well as exposure to (being splashed with) small quantities (10-20 ml) of substances such as: jet fuel, hydraulic fluids and/or turbine oil.

The CWISS must withstand the exposure to small quantities of bio hazards (e.g. blood) and be capable of being cleaned and decontaminated.

## **8.7 Self-Repair**

The CWISS must have “self-repair” capabilities which would allow the user to effect immediate, temporary repairs to any minor damage which would allow water ingress into the suit, until the user had completed the voyage and submitted the suit for authorized servicing and repair.

## **8.8 Shelf Life**

All components of the CWISS must have a minimum shelf life of 10 years.

## **8.9 Warranty**

The CWIS & ISL must have a minimum 1 year manufacturer’s warranty.

## **8.10 Service Life Expectancy**

The CWIS is expected to remain in service to the year 2030 and beyond.

## **8.11 Maintainability**

### **8.11.1 User Maintenance (1<sup>st</sup> line)**

User maintenance will be limited to configuration changes. All users must have access to Original Equipment Manufacturer (OEM)-

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System  
furnished operating instructions. Training plans, once established,  
must provide guidance on first line maintenance.

#### **8.11.2 Unit Maintenance (2<sup>nd</sup> line)**

Station PPE shops will be responsible for all second line maintenance requirements, including routine repairs, periodic inspections, and initial fitting of the CWISS. PPE shops will require adequate personnel to carry out their responsibilities. Training plans, once established, must provide guidance on second line maintenance.

#### **8.11.3 Contractor Maintenance (3<sup>rd</sup> line)**

All major repair and overhaul of the CWISS, if required, will be accomplished via contracts, as established in the procurement plan.

### **8.12 Environmental Sustainability**

#### **8.12.1 Climatic Conditions**

The CWISS must be functional in mist, fog, rain, sleet and snow.

The CWISS must be suitable for wear within the temperature range of -40°C to 30°C.

#### **8.12.2 Protection Against Water Penetration**

The CWIS material shall be impervious to water penetration.

If all seals are correctly fitted and closed, the CWISS shall not allow more than minimal amounts of water to enter the suit, less than 0.5 litre.

### **8.13 HEALTH & SAFETY**

#### **8.13.1 Flame Resistance**

Materials used in the fabrication of the CWISS should be fire resistant. The CWISS should provide fire and heat protection for CCG personnel over the entire suit in the event of a helicopter flash fire. The CWISS should meet ASTM F1930 for fire protection.

The wrist and neck seals should be fire retardant or lined with fire retardant materials to prevent injury. They should also meet ASTM F1930.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

**8.13.2 Static Electricity**

The CWISS must be anti-static.

**8.13.3 Contamination**

If contaminated by Petroleum Oil Lubricants (POL) and/or bio hazards, simple washing with standard household cleansers must remove a significant amount of the POL so as to render its presence non-hazardous to combustion.

**8.14 DELIVERY REQUIREMENTS**

**8.14.1 Deliverables**

Unless otherwise specified, all contract deliverables identified in this document must be received prior to July 31, 2016.

**8.14.2 Total Quantity Requirement**

A total of 203 CWISS will be procured for issue to Stations and Vessels operating the affected helicopters. This total comprises:

- a. National Headquarters 1;
- b. Atlantic 86;
- c. Central & Arctic 56; and
- d. Western 60

**8.14.3 Location**

The CWISS will be held at all affected Stations and deployed Vessel detachments. Operational spares will be managed by the Life Cycle Materiel Managers.

**8.14.4 Distribution**

Each CCG personnel employed within affected Stations and deployed Vessel detachments will be permanently issues a CWISS.

**8.14.5 Quality Assurance (QA)**

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

The CWISS is a critical item to helicopter passenger survival. Appropriate QA monitoring must be set up to ensure that the components received from the manufacturer are being made to specifications. These procedures must be in place on every procurement contact for the CWISS.

#### **8.14.6 Knowledge Transfer**

The Contractor must transfer knowledge to the CCG to ensure personnel and passengers are capable of, and ready to wear, store and maintain the CWISS. To this end, the Contractor's knowledge transfer must include the following:

- a. Orientation;
- b. Training; and
- c. Documentation

##### **8.14.6.1 Orientation**

Following contract award the Contractor must conduct an orientation briefings at mutually agreed upon locations, on the Contractor's proposed CWISS for CCG personnel who will be involved in the project. The intent of this product orientation is to provide the project team with an overview of the CWISS and functionality in terms of how these meet the operational requirements of the CCG.

##### **8.14.6.2 Training**

PPE technicians will provide initial training upon issuance of the CWISS. Annual training will be conducted in accordance with CCG PPE policy. Further, each CWISS must come with a bilingual training aid that explains the use, wear (donning and doffing), care, handling and maintenance requirements.

All CCG personnel and CCG helicopter passengers are required to review and adopt the principles and directions outlined in the training aid.

##### **8.14.6.3 Documentation**

To effectively support the knowledge transfer to the CCG, the Contractor must provide one (1) hard copy and one (1) soft copy in MS Word or accessible HTML of the following CWISS documentation:

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

- a. end-user documentation to assist CCG personnel in the use and wear of the CWISS; and
- b. comprehensive handling, storage and maintenance documentation. Additionally, the documentation must cover the Life Cycle Maintenance requirements including re-certification intervals

In addition, the Contractor must supply any documentation provided by third-party suppliers.

#### **8.14.7 Certifications**

The following certifications and information must be supplied by the Bidder:

- a. copy of Transport Canada Approved Maintenance Organization (AMO) Certificate verifying ability to perform services on Airworthy Products;
- b. copy of Technical Capabilities List; and
- c. Independent Verified Test report for the Clo values of the CWISS

The CWISS dry Clo value must be determined according to CAN/CGSB-65.17-2012, section 5.22.2 Human Subjects and Thermal Manikin methods

The CWISS immersed Clo value must be determined according to CAN/CGSB-65.17-2012, sections:

- d. 5.21.1 Underwater Helicopter Egress test method; and
- e. 5.22.1 Thermal Performance in Water, Water Ingress test method.

#### **8.14.8 Corporate Profile and Experience**

The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services.

That similarity is described as having:

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

- a. provided the same or similar product proposed for this requirement;
- b. included design and testing capabilities as described in Section CAN/CGSB-65.17-2012, sections 5.21.1, 5.22.1 and 5.22.2;
- c. delivered to clients with a similar business profile to ASD, reflecting:
  - i. life cycle maintenance capabilities including turn around times;
  - ii. a national scope, with Regional delivery requirements; and
  - iii. servicing and repair capabilities including turn-around times
- d. provided a training DVD that includes:
  - i. orientation on suit specifications; and
  - ii. user training for proper donning and doffing of suit;
- e. provided documentation including:
  - i. test results; and
  - ii. technical specifications documentation

#### **8.14.9 Project Management**

The Bidder must provide details of the Project Organization being proposed, including, at a minimum the:

- a. roles, responsibilities and proposed location of the Single-Point-of-Contact and other key staff;
- b. proposed approach for integrating the Bidder's project team, the CCG project team and PWGSC CA to form an integrated project team under the CCG Project Authority;

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

- c. process for handling any change in key Bidder project personnel during the course of the project;
- d. functions of the key personnel proposed; and
- e. level of commitment of key personnel proposed (i.e. the percentage of their available working time and effort which will be assigned to this project).

#### 8.14.10 Project Plan

The Bidder must include in its proposal a high-level Project Plan for the Design and Delivery of the solution, identifying, at a minimum:

- a. key activities proposed including Project Schedule; and
- b. specific methods and criteria used to track and measure successful work task progress and completion.

#### 8.15 REQUIREMENTS TABLE

Serial	Section Ref.	Description	Bid Evaluation Criteria <sup>3</sup> (Y/N)
1	3.1.a	The Contractor will for evaluation criteria purposes provide the CCG with a final design example of the CWISS equivalent to the specifications outlined in the Requirements Table in section 8.15	Y
2	3.1.b	The Contractor will provide CCG with support and training in the proper use and handling of the CWISS, including maintenance and made to measure alterations	N
3	3.1.c	The Contractor will provide documentation and procedures to support the proper donning and doffing of the CWISS, maintenance, made to measure alterations and proper handling and storage methods	Y

<sup>3</sup> Each bid evaluation criteria factor weighs the same. All bid evaluation criteria considered to be essential requirements must be met.

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

4	3.1.d	The Contractor will provide documentation to support the Life Cycle Maintenance Requirements	Y
5	3.1.e	The Contractor will deliver the CWISS within the timelines specified in this document	Y
6	3.1.f	The Contractor must assign a Single-Point-of-Contact who will work in conjunction with the CCG Project Authority (PA) and assume responsibility for the CCG/Contractor interaction. During the contract period, the Contractor will work with the PA to establish and implement tools, techniques, and processes designed to effectively manage the contract	N
7	3.1.g	The Contractor must assign a Single-Point-of-Contact who will work in conjunction with the CCG Project Authority (PA) and assume responsibility for the CCG/Contractor interaction. During the contract period, the Contractor will monitor all resources and sub-contractors providing services/deliverables in accordance with project requirements	N
8	3.1.h	The Contractor must assign a Single-Point-of-Contact who will work in conjunction with the CCG Project Authority (PA) and assume responsibility for the CCG/Contractor interaction. During the contract period, the Contractor will liaise with the PA and/or the PA's designate on all matters concerning technical aspects of the work and the performance of Contractor resources	N
9	3.1.i	The Contractor must assign a Single-Point-of-Contact who will work in conjunction with the CCG Project Authority (PA) and assume responsibility for the CCG/Contractor interaction. During the contract period, the Contractor will immediately advise the PA	N

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		of any prospective delays in reaching milestone deliverables	
10	3.2.a	The CCG will appoint a PA who will maintain the Client/Contract Authority (CA) relationship on behalf of the CCG	N
11	3.2.b	The CCG will provide any information deemed necessary to support the project	N
12	3.2.c	The CCG will facilitate contact and participation with CCG stakeholders	N
13	3.3.a	PWGSC will appoint a CA who will maintain the Client (CCG)/Contractor relationship	N
14	3.3.b	PWGSC will work with the PA and Contractor to establish and implement tools, techniques, and processes designed to effectively manage the contract	N
15	3.3.c	PWGSC will monitor all Contractor resources providing services/deliverables in accordance with project requirements	N
16	3.3.d	PWGSC will liaise with the PA and/or the PA's designate on all matters concerning technical aspects of the work and the performance of Contractor resources	N
17	3.3.e	PWGSC will facilitate contact and participation with the Contractor	N
18	3.3.f	PWGSC will immediately advise the PA of any prospective delays in reaching milestone deliverables	N
19	4.1	The CWISS needs to be capable of providing immersion protection to CCG personnel and passengers without an undue increase in the discomfort to the wearer throughout the entire continuum of operations	Y
20	5.1	Personnel and passengers must have confidence that the CWISS will provide cold water immersion protection in accordance with the required system effectiveness specified in section 8.0	Y
21	6.1	The CWISS must be provided in a range of sizes that accommodates the complete CCG personnel anthropometric spectrum	Y
22	6.2.a	All personnel and passengers must have confidence in their personal protective equipment (PPE), including such items as	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		the CWISS. To that end, the CWISS must instill confidence in the personnel and passengers that it will not degrade their ability to perform any assigned helicopter tasks	
23	6.2.b	All personnel and passengers must have confidence in their personal protective equipment (PPE), including such items as the CWISS. To that end, the CWISS must instill confidence in the personnel and passengers that it will sustain their life in the event of an accident to the extent for which it is designed	Y
24	6.2.c	All personnel and passengers must have confidence in their personal protective equipment (PPE), including such items as the CWISS. To that end, the CWISS must instill confidence in the personnel and passengers that it will not hinder an underwater egress from a helicopter, nor negatively affect the buoyancy provided by the life preserver	Y
25	6.2.d	All personnel and passengers must have confidence in their personal protective equipment (PPE), including such items as the CWISS. To that end, the CWISS must instill confidence in the personnel and passengers that the encumbrance of additional weight of the CWISS and/or the moderate discomfort associated with its wear, particularly when ambient air temperatures are high, merits the added protection that it provides	Y
26	7.1.a	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both operational and environmental conditions. It is envisioned that the CWISS will incorporate a Constant Wear Immersion Suit (CWIS)	Y
27	7.1.b	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both operational and environmental conditions. It is envisioned	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		that the CWISS will incorporate an Immersion Suit Liner (ISL)	
28	7.1.c	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both operational and environmental conditions. It is envisioned that the CWISS will incorporate immersion suit socks	Y
29	7.1.d	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both operational and environmental conditions. It is envisioned that the CWISS will incorporate an immersion survival hood	Y
30	7.1.e	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the entire spectrum of both operational and environmental conditions. It is envisioned that the CWISS will incorporate immersion mitts or gloves	Y
31	7.2	Personnel and passengers must be able to don and doff the CWISS without assistance	Y
32	7.2	Training staff from regional SAR Operational Support and Training sections will be required for the initial fittings and new equipment training	N
33	7.2	Routine training support will be required for annual training, as well as periodic inspections and repairs	N
34	7.4.a	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with approved air personnel and passenger undergarments	Y
35	7.4.b	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with air personnel and passenger boots	Y
36	7.4.c	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		with applicable Personal Floatation Device (PFD)	
37	7.4.d	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with passenger crew restraint Harness/Tether	Y
38	7.4.e	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with passenger crew torso harness	Y
39	7.4.f	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible with helmets and associated hardware as applicable to the aircraft concerned	Y
40	7.5	The CWISS must be a commercial off the shelf product currently in commercial use or suitable for use in the helicopter offshore industry	Y
41	7.5.1	The CWISS shall be designed to minimize bulk and maximize personnel and passenger mobility, particularly when used in conjunction with PPE, specifically the Torso Harness, as well as during normal operations or a ditched helicopter scenario	Y
42	7.5.1	The CWIS and ISL must be compatible and sized appropriately to reduce excess bulk while ensuring that sleeves/legs provide sufficient protection	Y
43	7.5.1	The suit shall be designed for individual use and provide a proper fit	Y
44	7.5.2	The CWISS must be available in a sufficient range of sizes in suitable increments	Y
45	7.5.2	The CWISS must be available for custom fit(s) to accommodate personnel who fall outside range of sizes	Y
46	7.5.3	The CWISS must not cause undue aircraft fatigue during a standard operation	Y
47	7.5.4	The CWISS must allow for ease of movements that is harmonized with passenger workstation ergonomics and provides no unacceptable restriction to	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		movement (limb, torso, and head) for air passengers in the performance of their duties	
48	7.5.4	The CWISS (in combination with any approved PPE) shall not restrict the wearer from safely and easily ascending or descending a ladder where the rungs are space 18 inches apart	Y
49	7.5.4	The CWISS must be built of free of any ingredient likely to cause irritation of the skin or offensive odour, or any other objectionable properties	Y
50	7.5.5	The CWISS must be a high visibility colour, specifically International orange	Y
51	7.5.6	The CWISS shall include enhanced visibility devices (e.g. retro-reflective bands or patches) to enhance visual detection during day or night	Y
52	7.5.7	The CWISS must not cause heat stress to air passengers when wearing all components of the system and approved PPE at temperatures of up to 25°C with a relative humidity of 90%	Y
53	7.5.8	Each component of the CWISS must include a method/label to allow the user to record their last name	Y
54	7.5.8	Each immersion suit will be identified by a serial number	Y
55	7.5.9	CCG personnel and passengers must be able to store the CWISS for an extended period without the requirement for special/extraordinary precautions	Y
56	7.5.10.1	The CWIS when combined with the other components of the CWISS will provide the required level of cold water immersion protection as defined in section 8.0	Y
57	7.5.10.1	The CWIS shall not have any pointed or sharp edges that could damage the life preserver, a survival raft or any other PPE	Y
58	7.5.10.1	The CWIS must not present any snag hazards or protuberances that could compromise safe egress or any other activity	Y
59	7.5.10.2.a	The CWIS must be made of waterproof, breathable materials consisting of	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		expanded polytetrafluoroethylene membrane (layer 2)	
60	7.5.10.2.b	The CWIS must be made of waterproof, breathable materials consisting of 3 layer construction where above membrane is bonded to the outer fabric (layer 1) and inner lining (layer 3) providing less wear and tear and enhanced durability	Y
61	7.5.10.2.c	The CWIS must be made of waterproof, breathable materials consisting of durable water repellent (DWR) coating	Y
62	7.5.10.3	The CWIS shall have waterproof zippers wherever used for user donning access	Y
63	7.5.10.4	The neck seal must be constructed of neoprene, adjustable and, to the maximum extent possible, should be one size fits all	Y
64	7.5.10.5	The wrist seals must be made from neoprene or similar material and cut to fit	Y
65	7.5.10.6	The CWIS must have ankle and wrist over cuffs with adjustable closures	Y
66	7.5.10.7	The CWIS shall have pockets for the storage of the immersion survival hood and immersion mitts or gloves.	Y
67	7.5.10.7	Any/all pockets must have grommets to prevent water retention	Y
68	7.5.10.8	The CWIS must have a multi-position lined storm/protective collar	Y
69	7.5.10.9	The CWIS must have a self-purging valve ("burping" ability) to allow the release of excess air trapped within the suit	Y
70	7.5.10.10	The CWIS should have adjustable internal suspenders	Y
71	7.5.11.1	The ISL must be designed to work effectively and fit comfortably within the CWIS and immersion suit socks	Y
72	7.5.11.2	The ISL must have a moisture wicking capability	Y
73	7.5.11.3	The ISL must be made of breathable materials	Y
74	7.5.11.4	The ISL must provide adequate thermal protection during cold weather operations and/or open door operations. If necessary, two different weights of liner should be considered or the CWISS shall	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		provide the option of donning additional layers of underwear under the ISL to provide additional protection during cold weather operations	
75	7.5.11.4	Additional layers shall not affect the buoyancy of the CWISS	Y
76	7.5.12	The immersion suit socks must be integrated with the CWIS and designed to work effectively with the ISL	Y
77	7.5.12.a	The socks will have materials made of expanded polytetrafluoroethylene membrane (layer 2)	Y
78	7.5.12.b	The socks will have materials made of 3 layer construction where above membrane is bonded to the outer fabric (layer 1) and inner lining (layer 3) providing less wear and tear and enhanced durability	Y
79	7.5.12.c	The socks will have materials made of durable water repellent (DWR) coating	Y
80	7.5.12	The CWIS must have immersion socks that fit inside CCG personnel and passenger boots without resorting to an oversized boot	Y
81	7.5.12	The CWIS immersion socks shall be form fitting with every size on the scale or be a "J type" sock (3 sizes cover the standard scale)	Y
82	7.5.12	Universal tube socks should be available for use with spare CWISSs.	Y
83	7.5.13	The CWISS will be provided with a survival hood made of neoprene that can be easily donned as required wither before or after aircraft egress and cold water immersion	Y
84	7.5.14	The CWISS will be provided with immersion mitts or gloves that can be easily donned as required wither before or after aircraft egress and cold water immersion	Y
85	8.1	The CWISS must provide CCG personnel and passengers with protection against hypothermia if immersed in a cold water environment without limiting their ability to perform normal routine in-flight duties	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		pertaining to the specific occupation concerned	
86	8.2	Life cycle management capabilities must be provided, including the capability to perform leak testing on the CWIS outer shell, as well as proof of successful completion, in accordance with W.L. Gore standards for testing seams integrity with 3 pounds per square inch (PSI) of water in a constrained cage for 2 minutes and a 0.6 PSI of water inflation for full garment testing.	Y
87	8.2	Life cycle maintenance must be completed in a maximum of 3 business days not including shipping and a schedule mutually agreed upon between the Contractor and the CCG	Y
88	8.3	PPE orientation and training will be required for the initial fittings and new equipment training	Y
89	8.3	The CWISS shall not impede the donning or doffing of other required PPE	Y
90	8.3	The CWISS must not cause heat stress to CCG personnel and/or helicopter passengers when wearing all components of the system and approved PPE at temperatures of up to 25°C with a relative humidity of 90%	Y
91	8.3	The CWISS must have urination slide fastener	Y
92	8.3	The slide fastener must be compatible with the Torso Harness and must allow access to the relief system for long duration missions, for both male and female CCG personnel and passengers	Y
93	8.4	The CWISS shall have neutral buoyancy	Y
94	8.4	The CWISS in combination with the PFD shall not adversely affect the self-righting characteristics of PPE used for flotation and must keep an unconscious person face up out of the water to prevent drowning	Y
95	8.5	The CWISS must have a minimum immersed Clo value of 0.75 when worn with the ISL	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

96	8.6	The CWISS must be durable and resistant to damage during routine wear, donning and doffing	Y
97	8.6	The CWISS must withstand the daily high activity and high impact tasks of personnel whose activities cover a broad range of kneeling, lifting, and carrying tasks in an environment that has the potential for the suit material to become snagged, torn and worn	Y
98	8.6	Reinforcement of areas prone to high wear such as the elbows, seat and knees is desirable	Y
99	8.6	The CWISS must withstand the exposure of being immersed in salt water, as well as exposure to (being splashed with) small quantities (10-20 ml) of substances such as: jet fuel, hydraulic fluids and/or turbine oil	Y
100	8.6	The CWISS must withstand the exposure to small quantities of bio hazards (e.g. blood) and be capable of being cleaned and decontaminated	Y
101	8.7	The CWISS must have "self-repair" capabilities which would allow the user to effect immediate, temporary repairs to any minor damage which would allow water ingress into the suit, until the user had completed the voyage and submitted the suit for authorized servicing and repair	Y
102	8.8	All components of the CWISS must have a minimum shelf life of 10 years	Y
103	8.9	The CWIS & ISL must have a minimum 1 year manufacturer's warranty	Y
104	8.10	The CWIS is expected to remain in service to the year 2030 and beyond	Y
105	8.11.1	All users must have access to Original Equipment Manufacturer (OEM)-furnished operating instructions	Y
106	8.11.1	Training plans, once established, must provide guidance on first line maintenance	Y
107	8.11.2	Station PPE shops will be responsible for all second line maintenance	N

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		requirements, including routine repairs, periodic inspections, and initial fitting of the CWISS	
108	8.11.2	PPE shops will require adequate personnel to carry out their responsibilities	N
109	8.11.2	Training plans, once established, must provide guidance on second line maintenance	N
110	8.11.3	All major repair and overhaul of the CWISS, if required, will be accomplished via contracts, as established in the procurement plan	N
111	8.12.1	The CWISS must be functional in mist, fog, rain, sleet and snow	Y
112	8.12.1	The CWISS must be suitable for wear within the temperature range of -40°C to 30°C	Y
113	8.12.2	The CWIS material shall be impervious to water penetration	Y
114	8.12.2	If all seals are correctly fitted and closed, the CWISS shall not allow more than minimal amounts of water to enter the suit, less than 0.5 litre	Y
115	8.13.1	Materials used in the fabrication of the CWISS should be fire resistant	Y
116	8.13.1	The CWISS should provide fire and heat protection for CCG personnel over the entire suit in the event of a helicopter flash fire	Y
117	8.13.1	The CWISS should meet ASTM 1930 for fire protection	Y
118	8.13.1	The wrist and neck seals should be fire retardant or lined with fire retardant materials to prevent injury. They should also meet ASTM 1930	Y
119	8.13.2	The CWISS must be anti-static	Y
120	8.13.3	If contaminated by Petroleum Oil Lubricants (POL) and/or bio hazards, simple washing with standard household cleansers must remove a significant amount of the POL so as to render its presence non-hazardous to combustion	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

121	8.14.1	Unless otherwise specified, all contract deliverables identified in this document must be received prior to July 31, 2016	Y
122	8.14.2.a	A total of 203 CWISS will be procured for issue to Stations and Vessels operating the affected helicopters. This total comprises National Headquarters 1	
123	8.14.2.b	A total of 203 CWISS will be procured for issue to Stations and Vessels operating the affected helicopters. This total comprises Atlantic 86	Y
124	8.14.2.c	A total of 203 CWISS will be procured for issue to Stations and Vessels operating the affected helicopters. This total comprises Central & Arctic 56	Y
125	8.14.2.d	A total of 203 CWISS will be procured for issue to Stations and Vessels operating the affected helicopters. This total comprises Western 60	Y
126	8.14.3	The CWISS will be held at all affected Stations and deployed Vessel detachments.	N
127	8.14.3	Operational spares will be managed by the Life Cycle Materiel Managers	N
128	8.14.4	Each CCG personnel employed within affected Stations and deployed Vessel detachments will be permanently issues a CWISS	N
129	8.14.5	The CWISS is a critical item to helicopter passenger survival. Appropriate QA monitoring must be set up to ensure that the components received from the manufacturer are being made to specifications. These procedures must be in place on every procurement contact for the CWISS	N
130	8.14.6.a	The Contractor must transfer knowledge to the CCG to ensure personnel and passengers are capable of, and ready to wear, store and maintain the CWISS. To this end, the Contractor's knowledge transfer must include orientation	Y
131	8.14.6.b	The Contractor must transfer knowledge to the CCG to ensure personnel and passengers are capable of, and ready to	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		wear, store and maintain the CWISS. To this end, the Contractor's knowledge transfer must include training	
132	8.14.6.c	The Contractor must transfer knowledge to the CCG to ensure personnel and passengers are capable of, and ready to wear, store and maintain the CWISS. To this end, the Contractor's knowledge transfer must include documentation	Y
133	8.14.6.1	Following contract award the Contractor must conduct an orientation briefings at mutually agreed upon locations, on the Contractor's proposed CWISS for CCG personnel who will be involved in the project. The intent of this product orientation is to provide the project team with an overview of the CWISS and functionality in terms of how these meet the operational requirements of the CCG	Y
134	8.14.6.2	PPE technicians will provide initial training upon issuance of the CWISS.	N
135	8.14.6.2	Annual training will be conducted in accordance with CCG PPE policy	N
136	8.14.6.2	Further, each CWISS must come with a bilingual training aid that explains the use, wear (donning and doffing), care, handling and maintenance requirements	Y
137	8.14.6.2	All CCG personnel and CCG helicopter passengers are required to review and adopt the principles and directions outlined in the training aid	N
138	8.14.6.3.a	To effectively support the knowledge transfer to the CCG, the Contractor must provide one (1) hard copy and one (1) soft copy in MS Word or accessible HTML of the following CWISS documentation: end-user documentation to assist CCG personnel in the use and wear of the CWISS	Y
139	8.14.6.3.b	To effectively support the knowledge transfer to the CCG, the Contractor must provide one (1) hard copy and one (1) soft copy in MS Word or accessible HTML of the following CWISS documentation:	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		comprehensive handling, storage and maintenance documentation	
140	8.14.6.3	Additionally, the documentation must cover the Life Cycle Maintenance requirements including re-certification intervals	Y
141	8.14.6.3	In addition, the Contractor must supply any documentation provided by third-party suppliers	Y
142	8.14.7.a	The following certifications and information must be supplied by the Bidder: copy of Transport Canada Approved Maintenance Organization (AMO) Certificate verifying ability to perform services on Airworthy Products	Y
143	8.14.7.b	The following certifications and information must be supplied by the Bidder: copy of Technical Capabilities List	Y
144	8.14.7.c	The following certifications and information must be supplied by the Bidder: Independent Verified Test report for the Clo values of the CWISS	Y
145	8.14.7	The CWISS dry Clo value must be determined according to CAN/CGSB-65.17-2012, section 5.22.2 Human Subjects and Thermal Manikin methods	Y
146	8.14.7.d	The CWISS immersed Clo value must be determined according to CAN/CGSB-65.17-2012, sections: 5.21.1 Underwater Helicopter Egress test method	Y
147	8.14.7.e	The CWISS immersed Clo value must be determined according to CAN/CGSB-65.17-2012, sections: 5.22.1 Thermal Performance in Water, Water Ingress test method	Y
148	8.14.8.a	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having provided the same or similar product proposed for this requirement	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

149	8.14.8.b	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having included design and testing capabilities as described in Section CAN/CGSB-65.17-2012, sections 5.21.1, 5.22.1 and 5.22.2	Y
150	8.14.8.c.i	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having delivered to clients with a similar business profile to ASD, reflecting life cycle maintenance capabilities including turn around times	Y
151	8.14.8.c.ii	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having delivered to clients with a similar business profile to ASD, reflecting a national scope, with Regional delivery requirements	Y
152	8.14.8.c.iii	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having delivered to clients with a similar business profile to ASD, reflecting servicing and repair capabilities including turn-around times	Y
153	8.14.8.d.i	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services.	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

		That similarity is described as having provided a training DVD that includes orientation on suit specifications	
154	8.14.8.d.ii	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having provided a training DVD that includes user training for proper donning and doffing of suit	Y
155	8.14.8.e.i	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having provided documentation including test results	Y
156	8.14.8.e.ii	The Bidder must describe its capacity and experience in this area, including listing two (2) successfully completed projects similar to this requirement to which the Bidder has provided products/services. That similarity is described as having provided documentation including technical specifications documentation	Y
157	8.14.9.a	The Bidder must provide details of the Project Organization being proposed, including, at a minimum the roles, responsibilities and proposed location of the Single-Point-of-Contact and other key staff	Y
158	8.14.9.b	The Bidder must provide details of the Project Organization being proposed, including, at a minimum the proposed approach for integrating the Bidder's project team, the CCG project team and PWGSC CA to form an integrated project team under the CCG Project Authority	Y
159	8.14.9.c	The Bidder must provide details of the Project Organization being proposed, including, at a minimum the process for handling any change in key Bidder project personnel during the course of the project	Y

Canadian Coast Guard, Operations Directorate  
Statement of Operational Requirements (SOR), Passenger Immersion Suit System

160	8.14.9.d	The Bidder must provide details of the Project Organization being proposed, including, at a minimum the functions of the key personnel proposed	Y
161	8.14.9.e	The Bidder must provide details of the Project Organization being proposed, including, at a minimum the level of commitment of key personnel proposed (i.e. the percentage of their available working time and effort which will be assigned to this project)	Y
162	8.14.10.a	The Bidder must include in its proposal a high-level Project Plan for the Design and Delivery of the solution, identifying, at a minimum key activities proposed including Project Schedule	Y
163	8.14.10.b	The Bidder must include in its proposal a high-level Project Plan for the Design and Delivery of the solution, identifying, at a minimum specific methods and criteria used to track and measure successful work task progress and completion	Y