



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

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

Title - Sujet PASSENGER IMMERSION SUIT SYSTEM	
Solicitation No. - N° de l'invitation F7054-170018/A	Date 2016-06-02
Client Reference No. - N° de référence du client F7054-170018	
GETS Reference No. - N° de référence de SEAG PW-\$\$PR-705-71038	
File No. - N° de dossier pr705.F7054-170018	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-07-13	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Williams, Laura	Buyer Id - Id de l'acheteur pr705
Telephone No. - N° de téléphone (873) 469-3174 ()	FAX No. - N° de FAX (819) 956-5454
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF FISHERIES AND OCEANS DIR, OPERATIONAL PERSONNEL FLEET 200 KENT ST STN 6E217 OTTAWA Ontario K1A0E6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirement

There is no security requirement associated with this bid solicitation.

1.2 Requirement

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

1.3 Debriefings

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

1.4 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2015/07/03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 days

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

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

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

eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

2.5 Specifications and Standards

2.5.1 United States Military Specifications and Standards

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

2.5.2 Canadian General Standards Board (CGSB) - Standards

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (3 hard copies)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)
Section IV: Additional Information (1 hard copy)

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

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

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

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

1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and

2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

3) Green Initiatives (for PWGSC information only)

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

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

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work (reference pre-award sample, Part 4, Evaluation Procedures).

Section II: Financial Bid

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

Section III: Certifications

Bidders must submit the certifications required under Part 5.

Section IV: Additional Information

3.1.1 Origin of Work

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

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

Line Item number _____

Country: _____

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

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Supporting Documentation

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

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

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

- a. The Bidder must submit firm unit prices in Canadian dollars, applicable taxes are excluded, DDP (see Annex A) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.
- b. The Bidder must submit firm unit pricing for all items and all destinations including the option and "as and when requested" quantities.

4.1.2.2 SACC MANUAL CLAUSE

A9033T 2012/07/16 Financial Capability

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive.

The responsive bid with the lowest evaluated aggregate price will be recommended for award of a contract (1 contract only). Evaluation will be established using the firm quantities for all items, including all destinations, 100% of the option quantities and 100% of the "as and when requested" quantities.

4.3 Contract Financial Security

1. If this bid is accepted, the Bidder may be required to provide contract financial security, after the bid closing date and within 10 calendar days from receipt of a written request from the Contracting Authority.
 - (a) a security deposit as defined in clause "Security Deposit Definition" in the amount of up to ten percent (10%) of the contract price.
2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unmaturing, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to

be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.

3. If Canada does not receive the required financial security within the specified period, Canada may, as its discretion, accept another offer, issue a new bid solicitation, award a contract or reject all the bids.

4.4 Security Deposit Definition

1. "security deposit" means
 - (a) a bill of exchange that is payable to the Receiver General for Canada, and certified by an approved financial institution or drawn by an approved financial institution on itself; or
 - (b) a Government guaranteed bond; or
 - (c) an irrevocable standby letter of credit, or
 - (d) such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board;
2. "approved financial institution" means
 - (a) any corporation or institution that is a member of the Canadian Payments Association;
 - (b) a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the "Régie de l'assurance-dépôts du Québec" to the maximum permitted by law;
 - (c) a credit union as defined in paragraph 137(6) the *Income Tax Act*;
 - (d) a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by Canadian province or territory; or
 - (e) the Canada Post Corporation.
3. "government guaranteed bond" means a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:
 - (a) payable to bearer;
 - (b) accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the *Domestic Bonds of Canada Regulations*;
 - (c) registered in the name of the Receiver General for Canada.
4. "irrevocable standby letter of credit"
 - (a) means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
 - (i) will make a payment to or to the order of Canada, as the beneficiary;
 - (ii) will accept and pay bills of exchange drawn by Canada;
 - (iii) authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
 - (iv) authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.
 - (b) must state the face amount which may be drawn against it;
 - (c) must state its expiry date;
 - (d) must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;
 - (e) must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
 - (f) must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice (UCP) for Documentary Credits, 2007 Revision, ICC Publication No. 600. Pursuant to the ICC UCP, a credit is irrevocable even if there is no indication to that effect; and

- (g) must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

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.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex A.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

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

6.4 Term of Contract

6.4.1 Delivery Date

Delivery Required (Desirable) - Firm Quantity

All firm deliverables are requested complete by August 31, 2016.

Delivery - Firm Quantity - Phased

The first delivery must be made within 30 calendar days from the effective date of the Contract. The quantity delivered must be _____ units. The balance must be delivered at the rate of _____ units weekly after the first delivery until completion of the Contract.

Delivery - Option Quantity

Delivery of the option quantity must be negotiated if and when the option is exercised and must be complete no later than 6 months after the option is exercised.

6.4.1.1 Shipping Instructions - Delivery at Destination

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

Delivered Duty Paid (DDP) (various locations) Incoterms 2000 for shipments from commercial contractor.

6.4.1.2 Packaging - Commercial

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

6.4.1.3 Rejected Goods

If any goods are rejected and are sold to any resale, all markings and insignia must be removed before being turned over to the purchaser.

6.4.1.4 SACC Manual Clauses

C5201C 2008/05/12 Prepaid Transportation Charges

6.5 Authorities**6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Laura Williams
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
Gatineau, Quebec K1A 0S5
Telephone : 873-469-3174 Facsimile: 819-956-5454
E-mail address: laura.williams@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is:

(to be advised at contract)

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

6.5.3 Technical Authority

The Technical Authority for this Contract 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 Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.4 Contractor's Representative

The person responsible for :

General enquiries

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

Delivery follow-up

Name: _____

Telephone No.: _____

Facsimile No.: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment – Firm Unit Prices

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

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

6.6.2 SACC Manual Clauses

H1001C 2008/05/12 Multiple Payments

C2000C 2007/11/30 Taxes - Foreign-based Contractor

6.7 Invoicing Instructions

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

Fisheries and Oceans
Director, Operational Support Fleet
200 Kent Street
Ottawa, Ontario
K1A 0E6
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
 - (c) One (1) copy must be forwarded to the consignee.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for

default.

6.9 Applicable Laws

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

6.10 Priority of Documents

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

- a) the Articles of Agreement;
- b) the general conditions 2030 (2015/09/03), General Conditions - Goods (Higher Complexity);
- c) Annex A, Requirement;
- d) Annex B, Statement of Operational Requirements;
- e) the Contractor's bid dated _____.

6.11 Materials: Contractor Total Supply

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

6.12 Plant Closing

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

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

6.13 Plant Location

Items will be manufactured at: _____

6.14 Subcontractor(s)

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

Name of Company: _____

Location: _____

Value of subcontract: \$ _____

Nature of subcontracting work performed: _____

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

6.15 Origin of Work - Disclosure of Information

1. For each line item, the Contractor must specify the name(s) of all countries where the apparel goods are cut (or knit to shape) or sewn, regardless of whether the work is to be performed by the Contractor or one of its subcontractor(s).

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

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

6.16 Overshipment

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

6.17 Pre-Production Samples

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 10 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.

6.18 Specifications and Standards

6.18.1 United States Military Specifications and Standards

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

6.18.2 Canadian General Standards Board (CGSB) - Standards

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

Canadian General Standards Board

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

6.19 Financial Security

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

ANNEX «A» REQUIREMENT

1. TECHNICAL REQUIREMENT

The Contractor is required to provide Canada for the Department of Fisheries and Oceans with Immersion Suits in accordance with Annex B dated January 29, 2016.

2. ADDRESSES

Destination Address	Destination Address
Department of Fisheries and Oceans (Western) 25 Huron Street Victoria, BC V8V 4V9 Attn: Darcene Thirkell	Department of Fisheries and Oceans (Central & Arctic) 105 McGill Street Montreal, QC H2Y 2E7 Attn: Sandra Cunningham
Department of Fisheries and Oceans (Atlantic) 50 Discovery Lane, PO Box 1000 Dartmouth, NS B2Y 3Z8 Attn: Cyndi Byatt	Department of Fisheries and Oceans (Headquarters) 200 Kent Street Ottawa, ON K1A 0E6 Attn: Marc Mes

3. DELIVERABLES

CONTRACT QUANTITY

Firm Quantity

Item	Description	Unit of Issue	Destination	Firm Quantity	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
1	Immersion Suit System	Each	Atlantic	86	\$ _____
			Central & Arctic	56	\$ _____
			Western	60	\$ _____
			Headquarters	1	\$ _____

“As and When Requested” Quantity - Regular sizes

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

“As and When Requested” Quantity - Special sizes

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

OPTION 1

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
4	Immersion Suit System	203	Each	\$ _____

4. "AS AND WHEN REQUESTED" QUANTITY - Identified as Item 2 and 3

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

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

The quantity of "as and when requested" goods specified under items 2 and 3 is only an approximation of requirements.

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

The period for placing "as and when requested" orders will be 12 months from contract award date.

The delivery of the "as and when requested" quantities must be made within _____ calendar days after receipt of the order document.

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

Order Limitation

"As and when requested" orders must not exceed \$ (to be established at contract).

Financial Limitation

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

5. OPTION QUANTITY - Identified as Item 4

The Contractor grants to Canada the irrevocable option to acquire the goods described under item 4 and under the same terms and conditions and at the prices stated in the Contract. The option may only be exercised by the Contracting Authority for a minimum of 100 up to a maximum of 203, distributed amongst the destinations and will be evidenced through a contract amendment.

The Contracting Authority may exercise the option within 12 months after contract award date by sending a written notice to the Contractor.

Only one amendment may be issued to exercise this option.

A size roll will be provided if and when the option is exercised.

Solicitation No. - N° de l'invitation

F7054-170018/A

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

F7054-170018

Amd. No. - N° de la modif.

File No. - N° du dossier

pr705.F7054-170018

Buyer ID - Id de l'acheteur

pr705

CCC No./N° CCC - FMS No./N° VME

Delivery times of the option quantities will be negotiated at the time that the option is exercised and shall not exceed 6 months from the date that the contract amendment is issued by the Contracting Authority to exercise the option. Deliveries of any option quantities will be made concurrently with the firm contract quantity and must not change the firm quantity delivery schedule.

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-type¹, 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

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

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 Requirements²; and
- e. deliver the CWISS within the timelines specified in this document

² 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

ANNEX B

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;

- 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

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

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.

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

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)

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.

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

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.

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.

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 (1st line)

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

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 (2nd 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 (3rd 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.

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)

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:

- 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:

- 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;
- 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 ³ (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
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	Y

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

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		within the timelines specified in this document	
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 of any prospective delays in reaching milestone deliverables	N
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

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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 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	Y

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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 that the CWISS will incorporate an Immersion Suit Liner (ISL)	Y
28	7.1.c	The desired end-state is for affected personnel and passengers to have a single CWISS to support operations across the	Y

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		entire spectrum of both operational and environmental conditions. It is envisioned that the CWISS will incorporate immersion suit socks	
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 with applicable Personal Floatation Device (PFD)	Y
37	7.4.d	The CWISS must be compatible with PPE used on CCG helicopter operations. In particular, the CWISS must be compatible	Y

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		with passenger crew restraint Harness/Tether	
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 movement (limb, torso, and head) for air passengers in the performance of their duties	Y
48	7.5.4	The CWISS (in combination with any approved PPE) shall not restrict the	Y

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		wearer from safely and easily ascending or descending a ladder where the rungs are space 18 inches apart	
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 expanded polytetrafluoroethylene membrane (layer 2)	Y
60	7.5.10.2.b	The CWIS must be made of waterproof, breathable materials consisting of 3 layer construction where above membrane is	Y

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		bonded to the outer fabric (layer 1) and inner lining (layer 3) providing less wear and tear and enhanced durability	
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 provide the option of donning additional layers of underwear under the ISL to provide additional protection during cold weather operations	Y
75	7.5.11.4	Additional layers shall not affect the	Y

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		buoyancy of the CWISS	
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 CWISs.	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 pertaining to the specific occupation concerned	Y
86	8.2	Life cycle management capabilities must be provided, including the capability to perform leak testing on the CWIS outer	Y

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		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.	
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
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	Y

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		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	
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 requirements, including routine repairs, periodic inspections, and initial fitting of the CWISS	N
108	8.11.2	PPE shops will require adequate personnel to carry out their	N

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		responsibilities	
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
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	

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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 wear, store and maintain the CWISS. To this end, the Contractor's knowledge transfer must include training	Y
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	Y

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		this end, the Contractor's knowledge transfer must include documentation	
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: comprehensive handling, storage and maintenance documentation	Y
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-	Y

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		party suppliers	
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
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

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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. That similarity is described as having provided a training DVD that includes orientation on suit specifications	Y
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.	Y

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		That similarity is described as having provided a training DVD that includes user training for proper donning and doffing of suit	
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
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.	Y

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		the percentage of their available working time and effort which will be assigned to this project)	
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