

**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 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

Title - Sujet Rucksack System	
Solicitation No. - N° de l'invitation W6399-140038/B	Date 2014-11-03
Client Reference No. - N° de référence du client W6399-140038	GETS Ref. No. - N° de réf. de SEAG PW-\$PR-705-66058
File No. - N° de dossier pr705.W6399-140038	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-11-24	
Time Zone Fuseau horaire Eastern Standard Time EST	
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Williams, Laura	Buyer Id - Id de l'acheteur pr705
Telephone No. - N° de téléphone (819)956-1349 ()	FAX No. - N° de FAX (819)956-5454
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

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

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

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

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

Comments - Commentaires

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

Instructions: See Herein

Instructions: Voir aux présentes

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

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

Solicitation No. - N° de l'invitation

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Amd. No. - N° de la modif.

File No. - N° du dossier

pr705W6399-140038

Buyer ID - Id de l'acheteur

pr705

CCC No./N° CCC - FMS No/ N° VME

W6399-140038

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RUCKSACK SYSTEM

PART 1 - GENERAL INFORMATION

1. Introduction

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

Part 1: General Information: provides a general description of the requirement;

Part 2: Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;

Part 3: Offer Preparations Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;

Part 4: Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;

Part 5: Certifications: includes the certifications to be provided;

Part 6: Financial and Insurance Requirements; includes specific requirements that must be addressed by offerors; and

Part 7: 7A, Standing Offer, and 7B, Resulting Contract Clauses:

7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

7B, includes the clauses or conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Statement of Work, the Basis of Payment, Performance and Technical Specifications, Evaluation Plan for Phase I and II and the Template for Quarterly Reports.

2. Summary

DND has a requirement for a rucksack system to support training and operations where the standard Canadian Forces (CF) rucksack is unsuitable. The Rucksack System is to include a separate adjustable stand-alone load carrying frame compatible with existing in-service Pouch Attachment Ladder System (PALS) equipment, and a PALS attachable high-capacity rucksack bag for carrying equipment on extended patrol deployments.

The Standing Offer will be valid for thirty six (36) months from issuance with the option to extend for two (2) additional one (1) year periods.

3. Debriefings

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

PART 2 - OFFEROR INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

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

The 2006 (2014/06/26) - Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Remark to Standing Offer Authority: The following modification to standard instructions 2006 must be added to the request for standing offers (RFSO) when the offers are to remain valid for more than 60 days. The standing offer authority will insert the number of days the offer is to remain valid.

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

Delete: sixty (60) days

Insert: three hundred and sixty five (365) calendar days

2. Submission of Offers

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

3. Enquiries - Request for standing offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than four (4) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

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

4. Applicable Laws

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

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

5. Specifications and Standards

5.1 United States Military Specifications and Standards

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

5.2 Canadian General Standards Board (CGSB) - Standards

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

Canadian General Standards Board
Place du Portage III, 6B1
11 Laurier Street
Gatineau, Québec
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)

Solicitation No – W6399-140038/B

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 - OFFER PREPARATION INSTRUCTIONS

1. Offer Preparation Instructions

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

Section I: Technical Offer (3 hard copies)

Section II: Financial Offer (1 hard copy)

Section III: Certifications (1 hard copy)

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

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

(a) Use 8.5 x 11 inch (216 mm x 279 mm) paper;

(b) Use a numbering system that corresponds to that of the Request for Standing Offers.

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

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

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

3) Green Initiatives (for PWGSC information only)

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

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

Section I: Technical Offer

In their technical offer, offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work (reference Part 4, Evaluation Procedures, 1.1.1 Mandatory Technical Criteria).

Section II: Financial Offer

Offerors must submit their financial offer in accordance with Annex B - Basis of Payment. The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Offerors must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

Phase I: Mandatory Criteria Screening
Phase II: Compatibility Assessment (trial)
Phase III: Costing and best value determination

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

Phase I: Mandatory Criteria Screening

As part of the technical evaluation, to confirm an Offeror's capability of meeting the technical requirements, the items listed in Annex D **must be provided with the offer** at time and place of bid closing. The brochure and manuals submitted by the Offeror will remain the property of Canada.

The offer will be evaluated in accordance with the Mandatory Requirements in Annex D. The evaluation will be conducted on the supplied information only. All mandatory criteria must be met or the offer will be deemed non-compliant. Failure to provide sufficient detail in the offer submission to evaluate the offer against the mandatory criteria will also deem the offer non-compliant. Even if a offer fails to meet as few as one mandatory criterion that offer will be non-compliant and will be given no further consideration. Only compliant Offerors will proceed to Phase II.

Phase II: Proof of Concept Field Trial (Contract) and Determination of Technical Merit Score

The compliant offers from Phase I will undergo a multi-part “Proof of Concept” trial to test the Rucksack Systems for compatibility with equipment and functionality in simulated field conditions. Conduct of the trials will be based upon a random order between the various Rucksack System offers. The Offerors may be provided the results of the Proof of Concept Trial for their specific Rucksack System only. The Proof of Concept trial plan is detailed in Appendix 1 of Annex E.

If selected for Phase II, bidders will be awarded a trial contract and must deliver the following:

- (a) Quantity four (4) Stand-Alone Load Carrying Frames in accordance with Annex C Performance and Technical Specifications, in the following sizes :
 - i. Quantity one (1) size small;
 - ii. Quantity two (2) size medium; and
 - iii. Quantity one (1) size large;
- (b) Quantity four (4) High Capacity Rucksack bags in accordance with Annex C Performance and Technical Specifications.

Determination of Technical Merit Score

The purpose of the Proof of Concept trial is to determine the technical merit for each Rucksack system in terms of comfort/usability of the system. The Rucksack systems will be assessed for fit sizing, compatibility with body armour, and operational task effectiveness. Operational task effectiveness is considered more critical and is assigned a weighting factor of two (2). Score breakdown for the individual tests is as follows:

Test	Category	Score
1	Activity 1 - Fit Sizing and Compatibility	

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1A	Fit Sizing	36
1B	Compatibility	24
2	Activity 2 - Operational Task Effectiveness	
2A	Mobility	204
2B	Shooting	84
TOTAL		348

The average score from all participants will be used to make the final assessment. A minimum score of 70% (two hundred forty-four (244) out of three hundred forty-eight (348) available points), representing an evaluated assessment between "Reasonably Acceptable" and "Completely Acceptable", must be obtained to be deemed compliant. The Technical Merit Score (out of 100) is the Performance Score of the Rucksack System being evaluated divided by the Highest Performance Score achieved, then multiplying this ratio by 100 in order to get a score out of 100, as follows:

$$\text{Technical Merit Score} = 100 \times (\text{Performance Score} / \text{Highest Performance Score})$$

The system receiving the highest Performance Score will get a Technical Merit Score of 100, and the remaining systems will have a Technical Merit Score that is a fraction of 100 based upon the total Performance Score for that system in comparison to the highest Performance Score.

1.2 Financial Evaluation

1.2.1 Mandatory Financial Criteria

a. The Offeror must submit firm unit prices in Canadian dollars, applicable taxes excluded, DDP (Trenton/Petawawa/Richmond, Ontario) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.

b. The Offeror must submit firm unit pricing for all items and all destinations. The Offeror is requested to quote firm unit pricing at no more than two decimal points.

Prices for three (3) years of spare parts must be included with the offer (Annex B) but will not be part of the financial evaluation.

1.2.2 SACC MANUAL CLAUSE

C3011T 2013/11/06

Exchange Rate Fluctuation

2. Basis of Selection

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

To determine the most suitable contending system within the competitive bidding process, the Contracting Authority will follow a "combined rating of technical merit and price" selection process, defined below:

Phase III: Costing and Best Value Determination

Once the Technical Merit Score has been determined for each offer they will be combined with the price in such a way to ensure best value. Best value balances the importance of the technical value of an offer with the cost of that technical solution, and is determined using the "highest combined rating of technical merit and price" Offeror selection method.

Price Score

The offer price is the sum of all costs associated with the procurement of the Rucksack Systems for all years, assuming all options are exercised. The lowest price of the compliant offers becomes the standard by which the remainder of the offer's are evaluated. Each offer is evaluated by taking the lowest offer price and dividing it by the price of the offer being evaluated, then multiplying this ratio by 100 in order to get a score out of 100, as follows:

$$\text{Price Score} = 100 \times (\text{Lowest Offer Price} / \text{Current Offer Price})$$

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The lowest price of the compliant offers will have a Price Score of 100, and the remainder of the compliant offers will have price score between 0-100 based on how much they differ from the lowest price.

Best Value Determination

Each compliant offer's Technical Merit and Price Scores are combined to obtain a Total Score, with the highest overall score representing the offer with the best value to DND. The assigned weighting factors (60% Technical and 40% Price) represents the importance that DND has placed on the functionality and compatibility of the Rucksack System. The formula to calculate the total score for each compliant offer proposal is as follows:

$$\text{Total Score} = (60\% \times \text{Technical Merit Score}) + (40\% \times \text{Price Score})$$

The offer that receives the highest total score will be recommended for award of the Standing Offer.

PART 5 - CERTIFICATIONS

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

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

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

1. Certifications Required Precedent to Issuance of a Standing Offer

1.1 Integrity Provisions - Associated Information

By submitting an offer, the Offeror certifies that the Offeror and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Offer of the Standard instructions 2006. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Standing Offer Certification

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

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

PART 6 - FINANCIAL AND INSURANCE REQUIREMENTS

1. Financial Capability

SACC Manual Clause M9033T (2011/05/16) Financial Capability

2. Insurance

The Offeror is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Standing Offer and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Offeror is at its own expense and for its own benefit and protection. It does not release the Offeror from or reduce its liability under the Standing Offer.

PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

1. Offer

1.1 The Offeror offers to fulfill the requirement in accordance with the Requirement under Annex “A” to “F”.

2. Security Requirement

There is no security requirement applicable to this Standing Offer.

3. Standard Clauses and Conditions

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

3.1 General Conditions

2005 (2014/06/26) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

3.2 Standing Offers Reporting

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

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

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

The quarterly reporting periods are defined as follows:

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

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

4. Term of Standing Offer

4.1 Period of Standing Offer

The period for making call-ups against the Standing Offer is within 36 months from issuance of Standing Offer.

4.2 Extension of Standing Offer

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

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

5. Authorities

5.1 Standing Offer Authority

The Standing Offer Authority for the Standing Offer 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 : 819-956-1349 Facsimile: 819-956-5454
E-mail address: laura.williams@tpsgc-pwgsc.gc.ca

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

5.2 Project Authority

The Project Authority for the Standing Offer is:

(To be advised at issuance of Standing Offer)

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

5.3 Technical Authority

The Technical Authority for the Standing Offer is:

(To be advised at issuance of Standing Offer)

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Standing Offer and is responsible for all matters concerning the technical content of the Work under the Standing Offer. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes

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to the scope of the Work can only be made through a Standing Offer Revision issued by the Standing Offer Authority.

5.4 Offeror’s Representative

The person responsible for:

General enquiries

Name: _____
Telephone Number: _____
Facsimile Number: _____
E-mail address: _____

Delivery follow-up

Name: _____
Telephone Number: _____
Facsimile Number: _____
E-mail address: _____

6. Identified Users

The Identified User authorized to make call-ups against the Standing Offer is:
Daphne Klassen-Hayes DLP 6-1-2-1

7. Call-up Procedures

Authorized users will use firm unit prices per Rucksack System to determine the cost of the call-up and include GST or HST and contact the Offeror to determine delivery times and then complete and sign the call-up document before sending it to the Offeror.

8. Call-up Instrument

The Work will be authorized or confirmed by the Identified Users using form PWGSC-TPSGC 942, “Call-up Against a Standing Offer”.

9. Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$400,000.00 (Applicable Taxes included).

10. Financial Limitation

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

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

11. Priority of Documents

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

- a. the call up against the Standing Offer, including any annexes;
- b. the articles of the Standing Offer;
- c. the general conditions 2005 (2014/06/26), General Conditions - Standing Offers - Goods or Services;
- d. the general conditions 2030 (2014/06/26), General Conditions - Goods (Higher Complexity)
- e. Annex “A” – Statement of Work;
- f. Annex “B” – Basis of Payment;
- g. Annex “C” – Performance and Technical Specifications;

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- h. Annex “D” – Bid Evaluation (Phase I);
- i. Annex “E” – Proof of Concept Trial (Phase II);
- j. the Offeror’s offer dated _____

12. Certifications

12.1 Compliance

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

13. Applicable Laws

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

14. Plant Closing

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

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

15. Plant Location

Items will be manufactured at: _____

16. Specifications and Standards

16.1 United States Military Specifications and Standards

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

16.2 Canadian General Standards Board (CGSB) - Standards

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

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

17. Quality Plan

No later than 30 days after the effective date of the Standing Offer, the Offeror must submit for acceptance by the Department of National Defence (DND) a Quality Plan prepared according to the latest issue (at Standing Offer date) of ISO 10005:2005 “Quality management systems - Guidelines for quality plans”. The Quality Plan must describe how the Offeror will conform to the specified quality requirements of the Standing Offer and specify how the required quality activities are to be carried out, including quality assurance of subcontractors. The Offeror must

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include a traceability matrix from the elements of the specified quality requirements to the corresponding paragraphs in the Quality Plan.

The documents referenced in the Quality Plan must be made available when requested by Public Works and Government Services Canada or DND.

If the Quality Plan was submitted as part of the bidding process, the Offeror must review and, where appropriate, revise the submitted plan to reflect any changes in requirements or planning which may have occurred as a result of pre-contract negotiations.

Upon acceptance of the Quality Plan by DND, the Offeror must implement the Quality Plan. The Offeror must make appropriate revisions to the Quality Plan throughout the term of the Standing Offer to reflect current and planned quality activities. Revisions to the Quality Plan must be acceptable to DND.

17.1 Quality Assurance Program

The Offeror must:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the requirements of the ISO 9001 or equivalent quality system model during performance of this standing offer; and
- (b) Conduct Quality Conformance Inspections and Tests during manufacture in accordance with the Offeror's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request.

17.2 Configuration Control

The Offeror shall have an established, DND verifiable, Configuration Management Program with control systems in place in accordance with MIL-HDBK-61A, and shall provide configuration identification, control and status accounting of all new and/or modified hardware and documentation. All Rucksack Systems delivered shall have the same product baseline and support interchangeability/interoperability of parts. The established product baseline shall be maintained during repair and any deviation from the baseline shall be approved in advance by the TA.

18. Post Contract Award Meeting

The Design Authority or his delegated representatives at National Defence Headquarters and the applicable DND Quality Assurance Representative (DNDQAR) must be afforded access to the Offeror's plant and all other premises where pertinent processes are being performed, on the same basis as afforded the representative of National Defence Headquarters, DGQA.

A post contract award meeting may be convened within twenty (20) calendar days after issuance of standing offer. Participants may include representatives of the Offeror, DND Design Authority, DNDQAR, DND project Authority, Standing Offer Authority and the DND Administrative Authority. Other meetings may be convened as required.

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

19. Pre-Production Samples

1. The Offeror must provide a pre-production sample of Item 1 and 2, to the Technical Authority for acceptance within 60 calendar days from date of issuance of the Standing Offer.

2. If the pre-production samples are rejected, the Offeror must submit second pre-production samples within 60 calendar days of notification of rejection from the Technical Authority.

3. If the pre-production samples are accepted by either full acceptance or conditional acceptance, the Offeror must proceed with production as per the Standing Offer requirements.

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4. Rejection by the Technical Authority of the second pre-production samples submitted by the Offeror for failing to meet the Standing Offer requirements will be grounds for termination for default.
5. The Offeror must carry out all required inspection and tests to verify conformance to the technical requirements of the Standing Offer.
6. The pre-production samples submitted by the Offeror will remain the property of Canada.
7. The Technical Authority will notify the Offeror, in writing, of the full acceptance, conditional acceptance, or rejection of the pre-production samples. A copy of this notification will also be provided by the Technical Authority to the Standing Offer Authority. The notice of the full acceptance or conditional acceptance does not relieve the Offeror from complying with all requirements and conditions of the Standing Offer.
8. The Offeror must not commence or continue with production of the items and must not make any deliveries until the Offeror has received a written notification from the Technical Authority that the pre-production samples are fully acceptable or conditionally acceptable. Any production of items before pre-production sample acceptance will be at the sole risk of the Offeror.
9. The pre-production samples may not be required if the Offeror is currently in production. The request for waiver of pre-production samples must be made by the Offeror in writing to the Standing Offer Authority. The waiving of this requirement will be at the sole discretion of the Technical Authority and will be evidenced through a Standing Offer revision.

B. RESULTING CONTRACT CLAUSES

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

1. Requirement

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

2. Standard Clauses and Conditions

2.1 General Conditions

2030 (2014/06/26) - General Conditions - Goods (Higher Complexity) apply to and form part of the Contract.

3. Term of Contract

3.1 Delivery Date

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

4. Payment

4.1 Basis of Payment

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 the line item detail in Annex B. Customs duties are included and Applicable Taxes are extra.

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

4.2 SACC Manual Clauses

H1001C 2008-05-12 Multiple Payments

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C2000C	2007-11-30	Taxes - Foreign-based Contractor
C2611C	2007-11-30	Customs Duties - Contractor Importer
C2605C	2008-05-12	Canadian Customs Duties and Sales Tax - Foreign-based Contractor
C2610C	2007-11-30	Customs Duties - DND - Importer
C5201C	2008-05-12	Prepaid Transportation Costs

5. Invoicing Instructions

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

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attention: (to be inserted at contract award)

- (b) One (1) copy must be forwarded to the consignee.

6. SACC Manual Clauses

A9006C	2012-07-16	Defence Contract
C2800C	2013-01-28	Priority Rating
C2801C	2011-05-16	Priority Rating - Canadian-based Contractors
D5540C	2010-08-16	ISO 9001:2008 - Quality Management Systems - Requirements (QAC Q)
D6010C	2007-11-30	Palletization

7. Procedures for Design change/Deviations

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

The Contractor must complete Part 1 of the Design Change/Deviation form DND 672 and forward one (1) copy to the Technical Authority and one (1) copy to the Standing Offer Authority.

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

8. 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.

9. Overshipment

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

10. Materials: Contractor Total Supply

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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.

11. Delivery

11.1 Preparation for Delivery

The Contractor must prepare items for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturers Standard Pack. The Contractor must package all items in quantities of 1 per package.

11.2 Shipping Instructions - Delivery at Destination

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

DDP Delivered Duty Paid (DDP) (Trenton/Petawawa/Richmond, Ontario) Incoterms 2000 for shipments from a commercial contractor.

**STATEMENT OF WORK
FOR THE
RUCKSACK SYSTEM**

1.0 SCOPE

1.1 Purpose

The Department of National Defence (DND) has a requirement for a Rucksack System to support training and operations where the standard Canadian Forces (CF) rucksack is unsuitable. This Statement of Work describes the requirements that apply to the provision of Rucksack Systems to DND.

2.0 DELIVERABLES

The Offeror must deliver the following as defined in the individual call-ups against the Standing Offer:

- (a) Stand-Alone Load Carrying Frames in accordance with the Performance and Technical Specifications at Annex C, or the approved pre-production samples if applicable;
- (b) High Capacity Rucksack Bags in accordance with the Performance and Technical Specifications at Annex C, or the approved pre-production samples if applicable;
- (c) Operator Manuals in accordance with Section 2.1; and
- (d) A complete Parts List for the Rucksack System (in electronic format, MS Word or MS Excel) including the following for each item:
 - i. Item Name;
 - ii. Manufacturer Part Number
 - iii. NCAGE Code; and
 - iv. NATO stock number (where available).

2.1 Operator Manuals

The Offeror must provide one (1) English language hard copy of the Operators Manual for every twenty (20) Rucksack Systems. The manuals must be provided with each shipment, minimum one copy with each shipment, and one (1) electronic copy (MS Word or PDF format) of the Operators Manual to each delivery location and to the TA (locations to be provided on contract award). The Operators Manual must include (as a minimum):

- (a) Instructions on care, cleaning and maintenance for each component of the Rucksack System;
- (b) Usage instructions (e.g., fit, adjustment, etc.) for the Rucksack System;
- (c) Safety warnings and instructions for the Rucksack System;
- (d) List of replaceable components (including part numbers where applicable); and
- (e) Storage instructions;

BASIS OF PAYMENT**1. TECHNICAL REQUIREMENT**

The Contractor is required to provide Canada for the Department of National Defence with Rucksack Systems in accordance with Annex C Performance and Technical Specifications, dated October 2, 2014.

2. ADDRESSES

CFP Petawawa Department of National Defence 46 Centurion Road Petawawa, ON K8H 2X3	CFB Richmond Department of National Defence 8355 Franktown Road Richmond, ON K0A 2Z0	CFB Trenton Department of National Defence CFB Trenton Base Supply 48 Portage Drive Trenton, ON K0K 3W0
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3. DELIVERABLES

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable Taxes extra
1	Stand-Alone Carrying Frame	1500	Each	\$ _____
2	High Capacity Rucksack Bag	1500	Each	\$ _____

EXTENSION YEAR ONE

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable Taxes extra
3	Stand-Alone Carrying Frame	500	Each	\$ _____
4	High Capacity Rucksack Bag	500	Each	\$ _____

EXTENSION YEAR TWO

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable Taxes extra
5	Stand-Alone Carrying Frame	500	Each	\$ _____
6	High Capacity Rucksack Bag	500	Each	\$ _____

Recommended Spare Part List

The Recommended Spare Part List is a list of spare parts recommended by the manufacturer to support repair and maintenance for a three year period, including the warranty year, for each deliverable. This list must include manufacturer part number, NSN where available, proposed quantity, proposed quantity per deliverable and shelf life.

Recommended Spare Parts (to be provided by bidder)

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra

PERFORMANCE AND TECHNICAL SPECIFICATIONS FOR THE RUCKSACK SYSTEM

1.0 GENERAL

1.1 Scope

This specification defines the operational performance and technical requirements for the Rucksack System.

1.2 Applicable Documents

The following documents form part of this specification to the extent specified herein, and are supportive of this specification when referenced; all other document references are to be considered supplemental information only. In the event of a conflict between the documents referenced herein and the contents of this specification, then the contents of this specification must take precedence.

- STANAG 4370 - Environmental Testing (www.nato.int)
- AECTP 300 - Climatic Environmental Test (www.nato.int)
- DCIEM Report 98-CR-15 Anthropometric Survey of the Land Forces (pubs-www.drenet.dnd.ca)
- MIL-STD-810G - Test Method Standard for Environmental Engineering Considerations and Laboratory Tests (www.everyspec.com)

1.3 Definitions

5th Percentile Female	Defined as 154.6 cm (5 ft) tall and weighing 52.8 kg (116 lb) in accordance with DCIEM Report 98-CR-15
95th Percentile Male	Defined as 186.2 cm (6 ft 1 in) tall and weighing 103 kg (227 lb) in accordance with DCIEM Report 98-CR-15
CADPAT™	Canadian Disruptive Pattern - A DND proprietary design for a computer generated digital camouflage pattern material
Color Coordinated	A color coordinated scheme is one in which all parts or elements are related, blended or matched to a particular color theme that is consistent with maintaining a subdued yet eye pleasing result.
MULTICAM®	A proprietary design for a computer generated digital camouflage pattern patented by Crye Precision Inc.
Multi-Directional Slide Fastener	A slide fastener with multiple pulls (normally two) to allow the fastener to be opened in multiple directions
Pouch Attachment Ladder System (PALS)	A grid of webbing invented and patented by United States Army Natick Soldier Research, Development and Engineering Center used to attach MOLLE equipment onto load-bearing platforms

1.4 Acronyms

EVA	Ethylene-Vinyl Acetate
LBE	Load Bearing Equipment
MOLLE	Modular Lightweight Load Carrying Equipment
PALS	Pouch Attachment Ladder System

1.1 Dimensions

All dimensions quoted within this specification are nominal and must be treated as approximate ($\pm 5-10\%$). Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

2.0 **REQUIREMENTS**

2.1 Operational Concept

The Rucksack System must:

- (a) Include the following components:
 - i. Stand-Alone Load Carrying Frame; and
 - ii. High Capacity Rucksack Bag;
- (b) Be modular in design to permit carriage of varying loads (up to a maximum load of no less than 66 kg (145 lbs)) in the following configurations as a minimum:
 - i. Rucksack - Attachment of the High Capacity Rucksack Bag to the Stand-Alone Load Carrying Frame for use as a standard rucksack;
 - ii. Resupply - Use of the Stand-Alone Load Carrying Frame only as a pack board to permit strapping on loads by means of MOLLE or compression straps; and
 - iii. Additional load - Permits attachment of additional load in between the High Capacity Rucksack Bag and the Stand-Alone Load Carrying Frame by means of straps or slings (such as weapons, mortar shells, pelican case, etc.) in a centred (balanced) means that does not affect the balance and manoeuvrability of the user;
- (c) Designed to be used with Load Bearing Equipment (LBE), Ballistic Plate Carriers and Body Armour;
- (d) Be parachute droppable at a drop speed and impact of no less than 6 meters (20 feet) per second; and
- (e) Not require tools for adjustment of any component.

2.2 Similarity of Manufacture

The Rucksack System, based on the details within this specification, must be of the same make, colour, material and design.

2.3 Materials

All material (e.g., fabric, MOLLE webbing, fasteners, closures, cords, padding, etc.) must:

- (a) Be sourced and supplied by the vendor;
- (b) Resist degradation in a humid environment in accordance with STANAG 4370 and AECTP 300;

- (c) Support cleaning by wipe down with mild soap and water or the use of a standard washing machine; and
- (d) Have a hydrophobic treatment for resistance (in accordance with STANAG 4370 and AECTP 300) to:
 - i. Fungus and mold;
 - ii. Perspiration stain; and
 - iii. Liquid petroleum products including: gasoline, diesel, avgas, kerosene, diethyl-meta-toluamide (DEET), and oil.

2.4 Sizing

The Rucksack System must permit adjustment in the complete range of sizes (5th percentile female to 95th percentile male) in accordance with DCIEM Report 98-CR-15 as follows:

Table 1: Size Range

Chest Size [cm(in)]	Back Length [cm(in)]	Waist Size [cm(in)]
86.4 (34)	36.8 (14.5)	81.3 (32)
91.4 (36)	38.1 (15)	86.4 (34)
96.5 (38)	39.4 (15.5)	91.4 (36)
101.6 (40)	40.6 (16)	96.5 (38)
106.7 (42)	41.9 (16.5)	101.6 (40)
111.8 (44)	43.2 (17)	106.7 (42)
116.8 (46)	44.5 (17.5)	111.8 (44)
121.9 (48)	45.7 (18)	116.8 (46)
127.0 (50)	47.0 (18.5)	121.9 (48)

2.5 Colour

The Rucksack System must:

- (a) Have an exterior surface printed with the MULTICAM® camouflage pattern;
- (b) Have MOLLE webbing printed with the MULTICAM® camouflage pattern or be Coyote brown in colour;
- (c) Have slide fasteners, hook and loop fasteners and stitching that are colour coordinated with the MULTICAM® camouflage pattern;
- (d) Not have a patch or patches of contrasting fabric colors;
- (e) Be of a low-gloss design when the material is either dry or wet; and
- (f) Not have any florescent colors incorporated into any part of the design.

2.6 Environmental

The Rucksack System must:

- (a) Operate under the climatic conditions A1 to A3, B1 to B3, C1 and C2, as described in MIL-STD-810G including:
 - i. Temperature: -37°C to +49°C;
 - ii. Rain, sleet, hail, snow, sand, and wind; and
 - iii. Terrain including as jungle, mountain, forest, and desert;
- (b) Resist degradation due to damage to the fabric surface and seams including cuts and abrasions accumulated over a period of not less than six (6) months in these operational environments.

2.7 Common Requirements

The Rucksack System, in its entirety, must:

- (a) Be designed to be worn over common all-season environmental clothing;
- (b) Be constructed of durable light-weight materials that:
 - i. Do not interfere with the user's ability to shoot, move or communicate;
 - ii. Has a design life span of at least five (5) years with normal wear and use;
 - iii. Is not prone to ripping, tearing, stretching, stitch failure or pre-mature wear-through; and
 - iv. Is designed to minimize catching of any mechanism used by the operator to close or adjust the Rucksack System on foreign objects;
- (c) Have non-metallic (plastic) buckles and adjusters except were specifically stated otherwise;
- (d) Have slide fastener pulls with cords for easy grasping when wearing gloves/mitts;
- (e) Have compression straps as follows:
 - i. Quick-closure buckles with a positive locking "push-to-release" mechanism; and
 - ii. Include fixed stowage hook and loop fastener straps on the non-fixed end for securing the webbing extension;
- (f) Remains stable during conduct of prolonged rigorous activities (e.g., kneeling, adopting the prone position, hand to hand combat, overcoming obstacles, mount/dismount vehicles, carrying heavy loads, etc.);
- (g) Provide comfort to the user by not having any sharp edges or producing pressure points on the body;
- (h) Be constructed to minimize stress to corner and side seams; and
- (i) Not require maintenance that is more complex than regular visual inspection.

2.8 Stand-Alone Load Carrying Frame

The requirements for the Stand-Alone Load Carrying Frame are detailed in the following sections.

2.8.1 General Features

The Stand-Alone Load Carrying Frame must:

- (a) Be designed to attach to the High Capacity Rucksack Bag to provide an integrated Rucksack System;
- (b) Weigh less than 2.5 kg (5.5 pounds);
- (c) Have the following components:
 - i. Frame;
 - ii. Shoulder Harness;
 - iii. Hip Harness;
 - iv. Compression Straps;
 - v. Carrying Strap and PALS; and
 - vi. Miscellaneous Components.

2.8.2 Frame

The Stand-Alone Load Carrying Frame must:

- (a) Have a flexible flat rectangular load-bearing structure as follows:
 - i. Have a nominal size as follows:
 - a. Width: 30 cm (12 in); and
 - b. Height: 55 cm (21.5 in);
 - ii. Be constructed as follows:
 - a. Utilize light-weight non-removable metallic or fiber reinforced composite stays or panels stays to provide horizontal and vertical rigidity with torsional flexibility; and
 - b. Overlaid with a durable tear-resistant synthetic material (500 denier CORDURA® or equivalent) as a base for attaching the PALS (see Section 2.8.6(b));
 - iii. Have all seams reinforced with folded webbing overlay where not attached to the stays or otherwise would interfere with the construction of the frame;
- (b) Have a Shoulder Harness attachment point on the front (opposite to the equipment attachment side) of the Stand-Alone Load Carrying Frame that permits adjustment of the length in accordance with Section 0(b)ii;
- (c) Have an attachment point on the lower front (opposite to the equipment attachment side) of the Stand-Alone Load Carrying Frame for attachment of the Hip Harness in accordance with Section 2.8.4(a)v; and
- (d) Have additional male and female quick-closure buckles permanently attached to the Stand-Alone Load Carrying Frame for attachment of the High Capacity Rucksack Bag.

2.8.3 Shoulder Harness

The Stand-Alone Load Carrying Frame Shoulder Harness must:

- (a) Consist of a back yoke with integral shoulder straps as follows:
 - i. Removable from the Stand-Alone Load Carrying Frame;
 - ii. Have an outer layer (side away from the user) of durable tear-resistant synthetic material (500 denier CORDURA® or equivalent);
 - iii. Have a mesh-type synthetic covering on the inner side that would be against the user to promote ventilation; and
 - iv. Padded with a light-weight synthetic material (such as foam);

- (b) Be available in minimum three (3) sizes (Small, Medium and Large) as follows:
 - i. Sized to cover the range of Chest Sizes detailed in Table 1; and
 - ii. Yoke attaches to the Stand-Alone Load Carrying Frame in a manner that permits adjustment of the length of the Rucksack System from the Shoulder Harness to the Hip Harness to fit the range of Back Lengths detailed in Table 1;

- (c) Have shoulder straps as follows:
 - i. Include a padded section as follows
 - a. Attached to the yoke at the top on the left and right sides and extend over the shoulders to the front mid-section below the chest area;
 - b. Anatomically shaped to go around the neck and curve inwards at the shoulders and sternum for comfort and weight distribution; and
 - c. Have a width of 7.5-10 cm (3-4 in) at the top and taper towards the bottom of the strap;
 - ii. Include adjustable length web straps at the end of the padded section as follows:
 - a. Minimum 60 cm (24 in) long;
 - b. Attach to the right and left lower corners of the Stand-Alone Load Carrying Frame;
 - c. Incorporate metallic quick-release buckle mechanisms at the bottom of each padded section as follows:
 - 1. Permits single-hand operation of the quick-release mechanism for removal of the Stand-Alone Load Carrying Frame without having to pull the arms through the straps; and
 - 2. Connect to the web straps in a manner that permits adjustment of the length of the strap;
 - iii. Have a single row of webbing down the center of the padded section (side away from the user) to provide strength as follows:
 - a. Runs the entire length of the padded section (top to bottom);
 - b. Connected to the quick-release mechanism at the bottom of the strap; and
 - c. Stitched to the shoulder strap at intermediate locations to provide limited up and down adjustment for the sternum strap;
 - iv. Have a webbing sternum strap as follows:
 - a. Connects to the webbing down the center of the shoulder strap on either end in a manner that permits the sternum strap to be adjusted in the up/down direction (e.g., roller slide); and
 - b. Have an adjustable length with a quick-closure center buckle.

2.8.4 Hip Harness

The Stand-Alone Load Carrying Frame Hip Harness must:

- (a) Consist of a hip belt attached to the Stand-Alone Load Carrying Frame on the left and right lower corners with removable/adjustable hip and lumbar pads;
- (b) Be available in minimum three (3) lengths to fit the range of Waist Sizes detailed in Table 1:
- (c) Have a hip belt as follows:
 - i. Consists of two (2) (left and right) nominal 5 cm (2 in) wide web belts;
 - ii. Web belts connect in the center front as follows:
 - a. Quick-closure center buckle; and
 - b. A reverse pull length adjuster on each side of the buckle that permits the user to adjust the length (tightness) of the belt by pulling on the web extensions in a forward (away from the body) motion;
- (d) Have removable pads as follows:
 - i. Have an outer layer (side opposite to user) made of tear-resistant synthetic material (500 denier CORDURA® or equivalent);
 - ii. Have an inner layer of a breathable synthetic material that would be against the user to promote ventilation;
 - iii. Padded with a light-weight synthetic material (such as foam);
 - iv. Include left and right hip pads on the hip belts as follows:
 - a. Sized (length and width) to cover the side hip areas; and
 - b. Anatomically shaped to fit the curvature of the hip;
 - v. Include a lumbar pad on the Stand-Alone Load Carrying Frame as follows:
 - a. Sized (length and width) to cover the back between the hip pads; and
 - b. Anatomically shaped to fit the curvature of the back.

2.8.5 Compression Straps

The Stand-Alone Load Carrying Frame must have the following:

- (a) Quick-connect buckles on each of the left and right sides of the Stand-Alone Load Carrying Frame that correspond to the compression straps on the High Capacity Rucksack Bag; and
- (b) Minimum of two (2) vertical straps to provide vertical compression for the High Capacity Rucksack Bag.

2.8.6 Carrying Strap and PALS

The Stand-Alone Load Carrying Frame must have the following:

- (a) One (1) Carrying Strap at the upper center point of the Stand-Alone Load Carrying Frame; and
- (b) PALS on the rear (equipment attachment side) of the frame that extend from the top to the bottom of the frame.

2.8.7 Miscellaneous Components

The Stand-Alone Load Carrying Frame must have the following Miscellaneous Components:

- (a) Web straps and quick-release buckles to securely attach the High Capacity Rucksack Bag to the StandAlone Load Carrying Frame
- (b) Body armour stabilization bolsters or pads to provide stand-off between the user and the Stand-Alone Load Carrying Frame when wearing an armour back plate that does not restrict ventilation; and
- (c) A strap or compression system to secure the shoulder straps in the front to the users body armour to keep the shoulder harness in position and relieve pressure on the user's arms and shoulders.

2.9 High Capacity Rucksack Bag

The requirements for the High Capacity Rucksack Bag are detailed in the following sections.

2.9.1 General Features

The High Capacity Rucksack Bag must:

- (a) Have a nominal ($\pm 5\%$) internal volume of 120 liters (7300 cubic inches);
- (b) Be designed to attach to the Stand-Alone Load Carrying Frame to provide an integrated Rucksack System;
- (c) Be constructed of a durable tear-resistant synthetic material (500 denier CORDURA® or equivalent) that is treated with polyurethane/Teflon in combination to provide improved weatherproofing and water resistance;
- (d) Weigh less than 5 kg (11 pounds);
- (e) Have the following components:
 - i. Main Compartment;
 - ii. Lid;
 - iii. External Pockets;
 - iv. Compression Straps;
 - v. Carrying Straps and Attachment Loops; and
 - vi. Miscellaneous Components.

2.9.2 Main Compartment

The High Capacity Rucksack Bag Main Compartment must:

- (a) Be top loading;
- (b) Have a large internal tubular storage volume with a top closure draw-string that is sectioned off as follows:
 - i. An upper storage compartment as follows:
 - a. Nominal ($\pm 5\%$) internal volume of 90 liters (5500 cubic inches);
 - b. Have a top closure draw-string;
 - c. Have two (2) vertical multi-direction slide fasteners, one (1) on each side (left/right) of the compartment that provide access to the compartment with full-length weather flaps;

- d. Have two (2) vertical removable stays, one (1) on either side of the main compartment to provide stability and maintain the upright posture of the main compartment;
 - e. Have an open top internal radio pocket located on the side of the compartment that connects to the Stand-Alone Load Carrying Frame, sized to fit a tactical radio with dimensions as follows:
 - 1. Width: 28 cm (11 in);
 - 2. Height: 23 cm (9 in); and
 - 3. Depth: 13 cm (5 in);
 - ii. A lower storage compartment with a nominal ($\pm 5\%$) internal volume of 30 liters (1800 cubic inches);
 - iii. Have a separation panel between the compartments that can be removed or opened up to create a single compartment;
- (c) Have a top extension flap with a top closure draw-string for increased capacity; and
- (d) Have a double-layered bottom for added strength and water protection.

2.9.3 Removable Lid

The High Capacity Rucksack Bag Lid must:

- (a) Be removable as follows:
 - i. Connected to the Stand-Alone Load Carrying Frame via quick-connect buckles; and
 - ii. Connected to the compression straps on the outside of the High Capacity Rucksack Bag via quick-connect buckles in a manner that permits adjustment of the length of the strap;
- (b) Double as a day pack including adjustable length shoulder straps;
- (c) Have an externally accessible pocket(s) with a combined nominal ($\pm 5\%$) internal volume of 15 liters (900 cubic inches), accessible via a full width multi-direction slide fastener(s); and
- (d) Have an integrated hydration/communication port at the top center that permits routing of hydration tubes and communication connections to either shoulder from within the pocket.

2.9.4 External Pockets

The High Capacity Rucksack Bag must have External Pockets as follows:

- (a) Minimum two (2) pockets on the outer side of the Main Compartment upper storage compartment (opposite to the frame attachment side) accessible via full-length multi-direction slide fasteners
- (b) Minimum two (2) open top Water Bottle pockets located on the left and right lower sides of the High Capacity Rucksack Bag.

2.9.5 Compression Straps

The High Capacity Rucksack Bag must have external Compression Straps as follows:

- (a) Minimum of three (3) compression straps on each of the left and right sides of the Main Compartment upper storage compartment with quick-closure buckles that connect to the corresponding buckles on the Stand-Alone Load Carrying Frame; and

- (b) Compression straps on the outer side High Capacity Rucksack Bag for attachment and compression of the removable lid..

2.9.6 Carrying Straps and Attachment Loops

The High Capacity Rucksack Bag must have:

- (a) One (1) Carrying Strap at the upper center point of the Stand-Alone Load Carrying Frame; and
- (b) PALS on the left and right outer sides of the High Capacity Rucksack Bag;
- (c) Gear Loops (vertical PALS) on the left and right outer sides (opposite to the frame attachment side) of the High Capacity Rucksack Bag

2.9.7 Miscellaneous Components

The High Capacity Rucksack Bag must have web straps, quick-release buckles and/or an alternate system to securely attach the High Capacity Rucksack Bag to the StandAlone Load Carrying Frame; and

2.10 Accessory Bags

The High Capacity Rucksack Bag must have the following Accessory Bags:

- (a) Constructed of a durable tear-resistant synthetic material (500 denier CORDURA® or equivalent) that is treated with polyurethane/Teflon in combination to provide improved weatherproofing and water resistance;
- (b) Two (2) accessory bags as follows:
 - i. Padded (6 mm (0.25 in) thick foam) for storage of fragile/sensitive items (e.g., binoculars, spotting scopes, etc.);
 - ii. Nominal ($\pm 5\%$) internal volume of 13 liters (800 cubic inches) with dimensions as follows:
 - a. Width: 15 cm (6 in);
 - b. Height: 37 cm (14.5 in); and
 - c. Depth: 9 cm (3.5 in);
 - iii. Have a multi-direction slide fastener that circumvents the perimeter of the pocket on one side and both ends such that, when the slides are in the open positions, the pocket can be unfolded along the attached side to permit full access to the pocket; and
 - iv. Include PALS on the rear face to permit attachment to the High Capacity Rucksack Bag;
- (c) One (1) accessory bag as follows:
 - i. Nominal ($\pm 5\%$) internal volume of 6.5 liters (400 cubic inches) with dimensions as follows:
 - a. Width: 14 cm (5.5 in);
 - b. Height: 40 cm (15.5 in); and
 - c. Depth: 10 cm (4 in);
 - ii. Have a full-length multi-direction slide fastener on the side of the bag; and
 - iii. Include PALS on the rear face to permit attachment to the High Capacity Rucksack Bag.

**BID EVALUATION (PHASE I)
FOR THE
RUCKSACK SYSTEM**

1.0 EVALUATION

The Phase I evaluation will be based upon the Offeror's experience in developing, manufacturing and/or selling Rucksack Systems and their certification that they can provide a Rucksack System that can meet all of the performance and technical specification in Annex C. Failure to provide all of the information requested in the compliance matrix will deem the offer non-compliant. All compliant offers will be included in the next phase of the process (Proof of Concept trial). There is no consideration for the price at this point in the evaluation process. For the purposes of this RFSO, a written certification is a written statement from the Offeror, signed by an authorized company representative, guaranteeing it will fully comply with the requirement identified in the "Requirement" column below. Canada reserves the right to verify the statements made in the Written Certification.

Item #	Requirement	Proof of Compliance	Compliant (Y/N)
1	<p><u>Expertise and Proven Design</u> The Offeror must be an established rucksack system manufacturer that has significant experience in rucksack systems for military or police organizations as follows:</p> <p>(a) Manufacturer Qualifications - The Offeror must have been in the business of developing, manufacturing and selling rucksack systems for a minimum of five (5) years; and</p> <p>(b) Proven Design - The Rucksack System being offered must be based upon a Commercial-Off-The-Shelf (COTS) or Military-Off-The -Shelf (MOTS) product that is in current production and, at time of offer submission must be in use by an American, British, Canadian or Australian (ABCA) military organization, North Atlantic Treaty Organization (NATO) or a North American (Canada or United States) civilian police agency.</p>	<p>The Offeror must provide summaries of contracts that confirm sales and use of the Rucksack System as specified. Summaries should include:</p> <ul style="list-style-type: none"> - contract numbers, - quantities and - model numbers 	
2	Annex C - Performance and Technical Specifications.	The Offeror must provide written certifications, brochures, diagrams or any other technical information to confirm that the Rucksack System being offered is capable of meeting every aspect of the Performance and Technical Specifications detailed in Annex C.	

**DEPARTMENT OF NATIONAL DEFENCE (DND)
PROOF OF CONCEPT TRIAL (PHASE II)
FOR THE
RUCKSACK SYSTEM**

1.0 GENERAL

1.1 Purpose

This document outlines the Proof of Concept trials to be conducted by the Department of National Defence (DND) for the Rucksack System.

1.2 Contractor Participation

The information provided in this Annex is for information purposes only. The trials will be conducted by DND without any support required from the Contractors that supply the equipment to be evaluated. The Contractors will not be permitted to witness any portion of the trials and evaluations. The Contractors must provide the following for the trials:

- (a) Quantity four (4) Stand-Alone Load Carrying Frames in accordance with the Performance and Technical Specifications at Annex C in the following sizes:
- (b)
 - i. Quantity one (1) size small;
 - ii. Quantity two (2) size medium; and
 - iii. Quantity one (1) size large;
- (c) Quantity four (4) High Capacity Rucksack Bags in accordance with the Performance and Technical Specifications at Annex C.

2.0 EVALUATION

2.1 Evaluation Process

The evaluation process will be conducted in phases as follows:

- (d) Part I: Proof of Concept Field Trial;
- (a) Part II: Determination of Technical Merit Score; and
- (b) Part III: Best Value Determination.

2.1.1 Part I: Proof of Concept Field Trial

The compliant bids from the paper evaluation (Annex D) will undergo a multi-part "Proof of Concept" trial to test the Rucksack Systems for compatibility with equipment and functionality in simulated field conditions. Conduct of the trials will be based upon a random order between the various Rucksack System bids. The Bidders may be provided the results of the Proof of Concept Trial for their specific Rucksack System only. The Proof of Concept trial plan is detailed in Appendix 1.

2.1.2 Part II: Determination of Technical Merit Score

The purpose of the Proof of Concept trial is to determine the technical merit for each Rucksack system in terms of comfort/usability of the system. The Rucksack systems will be assessed for fit sizing, compatibility with body armour, and operational task effectiveness. Operational task effectiveness is considered more critical and is assigned a weighting factor of two (2). Score breakdown for the individual tests is as follows:

Test	Category	Score
1	Activity 1 - Fit Sizing and Compatibility	
1A	Fit Sizing	36
1B	Compatibility	24
2	Activity 2 - Operational Task Effectiveness	
2A	Mobility	204
2B	Shooting	84
TOTAL		348

The average score from all participants will be used to make the final assessment. A minimum score of 70% (two hundred forty-four (244) out of three hundred forty-eight (348) available points), representing an evaluated assessment between "Reasonably Acceptable" and "Completely Acceptable", must be obtained to be deemed compliant. The Technical Merit Score (out of 100) is the Performance Score of the Rucksack System being evaluated divided by the Highest Performance Score achieved, then multiplying this ratio by 100 in order to get a score out of 100, as follows:

$$\text{Technical Merit Score} = 100 \times (\text{Performance Score} / \text{Highest Performance Score})$$

The system receiving the highest Performance Score will get a Technical Merit Score of 100, and the remaining systems will have a Technical Merit Score that is a fraction of 100 based upon the total Performance Score for that system in comparison to the highest Performance Score.

2.1.2.1 Part III: Best Value Determination

The proposal price is the sum of all costs associated with the procurement of the Rucksack Systems for all years (Annex A) assuming all options are exercised. The lowest price of the compliant proposals becomes the standard by which the remainder of the proposal's are evaluated. Each proposal is evaluated by taking the lowest proposal price and dividing it by the price of the proposal being evaluated, then multiplying this ratio by 100 in order to get a score out of 100, as follows:

$$\text{Price Score} = 100 \times (\text{Lowest Proposal Price} / \text{Current Proposal Price})$$

The lowest price of the compliant proposals will have a Price Score of 100, and the remainder of the compliant proposals will have price score between 0-100 based on how much they differ from the lowest price. Each compliant proposal's Technical Merit and Price Scores are combined to obtain a Total Score, with the highest overall score representing the proposal with the best value to DND. The assigned weighting factors (60% Technical and 40% Price) represents the importance that DND has placed on the functionality and compatibility of the Rucksack System. The formula to calculate the total score for each compliant bid proposal is as follows:

$$\text{Total Score} = (60\% \times \text{Technical Merit Score}) + (40\% \times \text{Price Score})$$

The bid proposal that receives the highest total score will be recommended for award of the Standing Offer (Annex A).

APPENDIX 1 PROOF OF CONCEPT TRIAL

A1.1 Scope

This Appendix details the Proof of Concept trials for the Rucksack System.

A1.2 Contractor Participation

The information provided in this Appendix is for information purposes only. The trials will be conducted by DND without any support required from the Bidders that supply the uniforms to be evaluated. The Bidders will not be permitted to witness any portion of the trials.

A1.3 Aim

The aim of the Proof of Concept trials is to evaluate the impact of the Rucksack System on the operator mobility, survivability and lethality. The trials will consider both the operator's ability to effectively conduct tasks while wearing the Rucksack System, and their perceived physical and thermal discomfort.

A1.4 Proof of Concept Trial Plan

The trials are task-based and are focused on the operator's ability to effectively conduct these tasks in a simulated operational environment. The tasks will be rated qualitatively through the use of a systematic user rating. A group of non-participants will record the results at each phase of the trial program and ensure that there are no unfair or biased components injected into the trial program. For each trial, participants will wear Canadian Forces (CF) issued equipment as required including combat dress, boots, bump cap/field cap, ear and eye protection, shooting gloves and a weapon (C8 with sling). The Rucksack System will be loaded with the following equipment totaling approximately 36 kg (80 pounds):

- (a) Water;
- (b) Rations;
- (c) Sustainment Equipment; and
- (d) Sleeping System.

A1.4.1 Participants

The participants conducting the trials will be familiar with the use and wearing of Rucksack Systems in the operational environments for which it is designed. A minimum of four (4) participants will complete the trials. Each participant will conduct the trial with each of the Bidder's Rucksack Systems such that each of the systems provided by the Bidder are trialed by each participant. Each participant must complete all tasks within the specific test for all Rucksack Systems under evaluation. Should a participant become incapacitated or unavailable to complete the test for all systems, the activity will be deemed incomplete for that participant and none of the results for that participant will be included in the overall assessment of that test.

A1.4.2 Trial Program

The Proof of Concept trial will be conducted at a DND facility over a period of a number of days depending on the number of Rucksack Systems to be assessed. Each participant will be required to complete the trials wearing each Rucksack System in succession. Rucksack Systems will be trialed in a random order of Bidders and no more than two (2) separate Bidders will be trialed by a participant on the same day. Rest periods will be included in the trial program to eliminate the bias of physical exhaustion from the assessment process.

A1.4.3 User Rating

Participants will provide task evaluations at the completion of various activities for each Rucksack System. The trial data collected, including the participant evaluations, will be recorded on the Trial Questionnaire forms, which will be completed for each participant as follows:

- (a) Appendix 2 - Trial Questionnaire – Fit Sizing and Compatibility (Activity 1); and
- (b) Appendix 3 - Trial Questionnaire - Operational Task Effectiveness (Activity 2).

The participant evaluations will be captured by individual ratings of various criteria using a non-biased approach to collecting user perception. A 7-point scale will be used to provide a clear and understandable quantification of the participants' perceptions in a controlled manner. Some tests, as designated on the individual Trial Questionnaires, are assigned a higher weight. The scale is defined as follows:

7-Point Scale

Rating	Participant Perception	Score
1	Completely Unacceptable	0
2	Reasonably Unacceptable	1
3	Barely Unacceptable	2
4	Borderline	3
5	Barely Acceptable	4
6	Reasonably Acceptable	5
7	Completely Acceptable	6

A1.4.4 Activities and Procedures

The details of the trials and the data collection procedures are given in the following sections. The trial activities are based upon operational related tasks performed by operators. The Rucksack System will be worn over the CF issue Combats with or without additional insulation layers, depending on the weather.

A1.4.4.1 Activity 1 – Fit Sizing and Compatibility

The Rucksack system will be sized to the Participants conducting the trials in accordance with the manufacturer's recommendations and all equipment will be loaded into the Rucksack. The Participants will then complete the following:

- (a) Test 1A – Fit Sizing: The participant will complete the Fit Sizing section of the Fit Sizing and Compatibility questionnaire at Appendix 2. The assessments includes:
 - i. Fit Sizing – Rating the fit of the Rucksack System, including the adjustability of the system to the individual user;
 - i. Load Carriage - Rating the sizing and placement of the pockets in relation to the equipment;
 - ii. Accessibility - Rating the accessibility to the pockets, including access to the radio, while wearing combat gloves (e.g., Outdoor Research Firemark Gloves); and
 - iii. Comfort/Use – Rating the overall comfort and useability (range of motion, flexibility, etc.) of the Rucksack System.
- (b) Test 1B – Compatibility: The Participants will then put on Body Armour with the Rucksack system and complete the Compatibility section of the Fit Sizing and Compatibility questionnaire at Appendix 2 to rate the Rucksack System compatibility with the Body Armour.

A1.4.4.2 Activity 2 – Operational Task Effectiveness Trial

The participants will complete the Operational Task Effectiveness Trial as follows:

- (a) Foot March - The Participants will wear the Rucksack with load carriage webbing, soft cap and personal weapon, and conduct a four (4) km (2.5 mile) march through varied terrains;
- (b) Infiltration - The Participant will remove Direct Action (DA) equipment (plate carrier, helmet, etc.) from the Rucksack. The Participants, wearing the DA equipment and Rucksack, will then conduct a 2 km (1.6 mile) infiltration navigation across country to a predetermined rendezvous point. The Participants will then receive a safety brief and load and ready personal weapons;
- (c) Contact Drill/Break Contact - The Participants will simulate a contact drill (dropping the Rucksack using the quick release mechanism) and conduct a live firing event. The Participants will then re-don the Rucksack and make their way to a secondary rendezvous point where they will remove and stow their DA gear in the Rucksack. The Participants will then add additional weight to the Rucksack for a total of 66 kg (145 lbs) and navigate 0.4 km (0.6 miles) to a resupply point;
- (d) Resupply - The Participants will remove the Rucksack Bag from the Load-Carrying Frame and load up various items of resupply (e.g., jerry cans of water/fuel, rations, ammunition, etc.) and re-transit back to the previous rendezvous point (0.4 km (0.6 miles)); and
- (e) The Participant will then complete the Operational Task Effectiveness questionnaire at Appendix 3.

**APPENDIX 2 TRIAL QUESTIONNAIRE – FIT SIZING AND COMPATIBILITY
(ACTIVITY 1)**

Participant Name/Number:	
Date:	
Rucksack System:	

User Assessment Rating Scale						
0	1	2	3	4	5	6
Completely Unacceptable	Reasonably Unacceptable	Barely Unacceptable	Borderline	Barely Acceptable	Reasonably Acceptable	Completely Acceptable

Test 1A – Fit Sizing							
Rate the Rucksack System in the following:	Comfort/Use						
	☹		☺				☺
	0	1	2	3	4	5	6
Load Carriage (pocket sizing)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assembly of Rucksack (clasps, closures, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pocket Accessibility (external, internal and radio)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mobility through arms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flexibility/Stiffness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Comfort of the Rucksack System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Score	____ out of 36						

Test 1B - Compatibility							
Rate the Rucksack System for compatibility with Body Armour as follows:	User Assessment						
	☹		☺				☺
	0	1	2	3	4	5	6
Fit of Rucksack over Body Armour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort while wearing Rucksack with Body Armour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interference of Body Armour with Rucksack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Score	____ out of 24						

**APPENDIX 3 TRIAL QUESTIONNAIRE - OPERATIONAL TASK
EFFECTIVENESS (ACTIVITY 2)**

Participant Name/Number:	
Date:	
Rucksack System:	

User Assessment Rating Scale						
0	1	2	3	4	5	6
Completely Unacceptable	Reasonably Unacceptable	Barely Unacceptable	Borderline	Barely Acceptable	Reasonably Acceptable	Completely Acceptable

Mobility						
Rate the Rucksack System in the following:	User Assessment					
	⊗ 0	1	2	☹ 3	4	☺ 6
Mobility while navigating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Range of Motion through shoulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noise of system while navigating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of access to required equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integration with plate carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mobility of neck while wearing helmet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort while wearing plate carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quick-release Mechanism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Donning/Doffing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bag Removal/Replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Distribution of Load Carriage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thermal comfort during navigation (hot spots, back ventilation, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical comfort during navigation (chaffing, pressure points, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical comfort of waist belt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shoulder strap thickness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Affect on gait	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shifting of load during tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Score	_____ x 2 = _____ out of 204					

Shooting						
Rate the Rucksack System in the following:	User Assessment					
	⊗ 0	1	2	☹ 3	4	☺ 6
Ease of moving to firing point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of adopting prone position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of adopting kneeling position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of adopting standing position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of recovery from above positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ease of gaining and maintaining sight picture in any position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access to magazines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Score	_____ x 2 = _____ out of 84					

QUARTERLY REPORT TEMPLATE

Standing Offer Number: _____

Reporting Period (start date to end date): _____

Date	Call-up #	Description of Item	Quantity	Total Billing
TOTAL				\$

NIL REPORT: We have not done any business with the federal government for this period ____.

Prepared by:

Name: _____

Date: _____

Telephone no.: _____