

**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**

**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

Title - Sujet MULTI PURPOSE COMBAT KNIVES	
Solicitation No. - N° de l'invitation W8486-140098/A	Date 2013-11-13
Client Reference No. - N° de référence du client W8486-140098	
GETS Reference No. - N° de référence de SEAG PW-\$\$PR-757-63888	
File No. - N° de dossier pr757.W8486-140098	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-27	
Time Zone Fuseau horaire Eastern Standard Time EST	
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: Papineau (PR Div.), Alain	
Buyer Id - Id de l'acheteur pr757	
Telephone No. - N° de téléphone (819) 956-0389 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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
6B1, Place du Portage
Gatineau, Québec K1A 0S5

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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
W248A	DEPARTMENT OF NATIONAL DEFENCE BLDG 236 EAST END 195 AVE&82ND ST EDMONTON Alberta T5J4J5 Canada	W2481	DEPARTMENT OF NATIONAL DEFENCE 7 CF SUPPLY DEPOT STN FORCES P.O.BOX 10500 EDMONTON Alberta T5J4J5 Canada
WB941	DEPARTMENT OF NATIONAL DEFENCE CFSD MONTREAL 6363 RUE NOTRE DAME ST E. MONTREAL Quebec H1N2E9 Canada	W1941	DEPARTMENT OF NATIONAL DEFENCE CFSD MONTREAL BOX 4000 STN K MONTREAL Quebec H1N3R9 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine		Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	Combat Knives	WB941	W1941	2000	Each	\$	\$	See Herein	
2	Combat Knives	W248A	W2481	2000	Each	\$	\$	See Herein	

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Department of National Defence has a requirement for 4000 Combat Knives as described in Annex A and Annex B.

2.1 Delivery Requirement

All firm deliverables should be completed 60 days on or after Contract Award date

3. Debriefings

After contract award, 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

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 issued by Public Works and Government Services Canada:

<https://buyandsell.gc.ca/policy-and-guidelines//standard-acquisition-clauses-and-conditions-manual/all>

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 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 4.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: one hundred and twenty (120) days

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.

3. Enquiries - Bid Solicitation

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

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

4. Applicable Laws

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

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I: Technical Bid **(2 hard copies)**

Section II: Financial Bid (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;

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.

Contractor's Representative

The following information must be provided:

Name/Telephone _____

Plant Address/Postal Code: _____

E-Mail Address (for all appropriate personnel): _____

Payments

In their submission to the RFP, the bidders must indicate the company's mailing address where payment will be mailed should they be awarded a contract. This address must be included in the contract.

Invoice payments: Remit Payment to (complete address):

Section II: Financial Bid

Bidders must submit their financial bid in Annex C. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is to be shown separately, if applicable.

1.1 SACC Manual Clauses

C3011T (2010-01-11), Exchange Rate Fluctuation

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

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.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

The Bidder must comply with all technical requirements and all terms and conditions specified in this bid solicitation.

1.1.2 Samples

Two samples of the proposed knife must be provided with your bid at closing.
If the samples are not included with the proposal, the bid will be found non-compliant.

1.1.3 Substitute Products - Samples (Department of National Defence)

The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirements of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included.

2. Basis of Selection

2.1 Basis of Selection - Mandatory Technical Criteria

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

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1** By submitting a bid, the Bidder certifies, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that it is aware, and that its affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as societies, firms, partnerships or associations of persons do not need to provide lists of names. If

the required names have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form- PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The Contractor must provide the items in accordance with the Requirement described in Annex A And Annex B..

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 (<http://sacc.pwgsc.gc.ca/sacc/index-e.jsp>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All firm deliverables should be completed 60 days on or after Contract Award date

4.2 Option to Extend the contract

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one (1) year period under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 30 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Alain Papineau
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate
6B3, Phase III, Place du Portage
11 Laurier Street

Gatineau, Quebec K1A 0S5

Telephone: (819) 956-0389

Facsimile: (819) 956-7356

E-mail address: alain.papineau@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.

5.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: *(to be completed at contract award)*

Title: _____

Department: _____

Address: _____

Telephone : _____

Facsimile _____

5.3 Contractor's Representative

Name: _____

Telephone: _____

Facsimile: _____

E-mail: _____

6. Payment

6.1 Basis of Payment - Firm Price or Firm Lot Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price of \$ *(to be inserted at contract award)*. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

6.2 Limitation of Price

SACC Manual Clause C6000C (2011-05-16), Limitation of Price

6.3 Method of Payments

SACC Manual Clause H1001C (2008-05-12), Multiple Payments

6.4 SACC Manual Clauses

C2000C (2007-11-30) Taxes - Foreign-based Contractor *(if applicable)*

7. Invoicing instructions

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

2. Invoices must be distributed as follows:

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

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2
Attn: DLP _____

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

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

8. Applicable Laws

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

9. 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) 2010A (2013-04-25), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement and Pricing Basis
- (d) the Contractor's bid dated (to be completed at award of contract)

10. SACC Manual clause

A9006C	2008-05-12	Defence Contract
D9002C	2007-11-30	Incomplete Assemblies
D6010C	2007-11-30	Palletization
G1005C	2008- 05-12	Insurance
D5545C	2010-08-16	ISO 9001:2008 - Quality Management Systems - Requirements

11. Shipping Instructions - Delivery at Destination

1. The Contractor must ship the goods prepaid DDP / FOB- Delivered Duty Paid to Montreal and Edmonton Depots. Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

Solicitation No. - N° de l'invitation

W8486-140098/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pr757

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W8486-140098

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**For all Annexes please
Refer to the attachment.**

ANNEX A

Statement of Requirement

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1.0 SCOPE

1.1 Purpose

- 1.1.1 The purpose of this Statement of Requirement (SOR) is to describe the requirements and work required of the Contractor by the Department of National Defence (DND) for the provision of a Multi-Purpose Combat Knife System (MPCK).

1.2 Background

- 1.2.1 The Canadian Armed Forces (CAF) has a requirement for a multi-purpose combat knife that can be used in a wide range of military applications in all-climatic conditions ranging from arctic to desert.

1.3 Intended Use

- 1.3.1 The MPCK will be used by the CAF for various tasks including but not limited to:

- 1.3.1.1 Cutting various materials: rope and cordage, 80 lb test and 160 lb test rigging cord, 550 cord, fibrous cord, synthetic sheathed rope up to 11mm diam., type 10 nylon, twisted Manila rope up to 1" diam., twisted nylon rope up to 5/8" diam.;
- 1.3.1.2 Cutting miscellaneous items: duct tape, packing tape, electrical tape, explosives packaging, safety fuses, corrugated cardboard on ration boxes, stripping wire WD1 and electrical wire;
- 1.3.1.3 Survival/field use: slicing and chopping wood, slicing flesh from game and fish, brush clearing, constructing hides, cutting canvas and nylon tarps/fabric;
- 1.3.1.4 Prying: ammunition crates, various packing containers, small lever tasks;
- 1.3.1.5 Piercing: heavy rubber, mild steel up to 22ga, leather up to 10 oz; and
- 1.3.1.6 Digging/chipping: through ice, dirt, and clay.

1.4 Acronyms and Abbreviations

- 1.4.1 The following is a list of acronyms and abbreviation used in this document:

CA	Contracting Authority
CAF	Canadian Armed Forces
DCSEM	Director Combat Support Equipment Management
DND	Department of National Defence
DSCO	Director Supply Chain Operation
HRC	Rockwell Hardness C Scale
ILS	Integrated Logistics Support
MOLLE	Modular Lightweight Load-Carry Equipment
MPCK	Multi-Purpose Combat Knife
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
PWGSC	Public Works and Government Services Canada
SOR	Statement of Work
TA	Technical Authority

2.0 APPLICABLE DOCUMENTS

2.1 Applicability

The following documents of the exact issue and revision form a part of this document to the extent specified herein. Where no exact issue or revision is indicated the latest issue in effect at the release of this document must be used.

2.2 References

2.2.1 Whereas mentioned, the following Standards must be used for the preparation of deliverables to the extent specified in this SOR.

C-01-100-100/AG-005	Acceptance of Commercial & Foreign Government Publications as Adopted Publications
D-01-100-214/SF-000	Preparation of Provisioning Documentation for Canadian Forces Equipment
D-01-100-215/SF-000	Specification for Preparation of Material Change Notices (MCN) for CAF Equipment
D-01-400-001/SG-000	Standard - Engineering Drawing Practices for Class 1 Drawings and Technical Data List
DOD-HDBK-743A	Military Handbook: Anthropometry of U.S. Military Personnel

2.3 Order of Precedence

2.3.1 Unless otherwise specified, the issue or the amendment of the documents for this contract must be those in effect on the date of contract award. The Contractor must bring to the attention of the TA any perceived inconsistencies between the SOR and the documents attached in the Appendixes/Annexes or referenced in this SOR. In the event of conflict between the content in this SOR and the referenced documents, the content of this SOR must take precedence.

3.0 REQUIREMENTS

3.1 Overview

3.1.1 This section describes the system specifications and work required to supply and deliver the Multi-Purpose Combat Knife (MPCK).

3.2 System Characteristics

3.2.1 General

3.2.1.1 The MPCK must be a commercial off-the-shelf (COTS) system, defined as a non-developmental item (NDI) of supply that is both commercial and sold in substantial quantities, in excess of 500, in the commercial marketplace.

3.2.1.2 The MPCK must be a proven, fielded system, with a NATO Stock Number (NSN), that is in-service with a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian (ABCA) military partner.

3.2.1.3 The MPCK requirement must be assembled using production components, from a current production line, that are not prototypes or pre-production models.

3.2.2 Design

- 3.2.2.1 The MPCK must include a compact, lightweight, fixed-blade multi-purpose knife for dismounted operations.
- 3.2.2.2 The MPCK must include a soft but strong sheath, capable of providing durable, reliable, all weather protection and transportation for the MPCK Knife.
- 3.2.2.3 The MPCK Sheath must protect the operator from the blade and prevent the blade from cutting or puncturing equipment.

3.3 System Components

- 3.3.1 The MPCK must consist of the following components:
 - 3.3.1.1 MPCK Knife, consisting of a blade attached to a handle; and
 - 3.3.1.2 MPCK Sheath.

3.4 Physical Characteristics

- 3.4.1 Size
 - 3.4.1.1 The MPCK (para. 3.3) with the blade sheathed must have dimensions not exceeding 30 cm x 7 cm x 5 cm, with no part of the MPCK extending beyond this envelope.
 - 3.4.1.2 The blade, measured as the shortest distance from the point tip to the forward edge of the guard/handle, must be no less than 10.7 cm (4.20 inches) and no more than 12.7 cm (5 inches) in length to allow for an optimal usable cutting edge while maintaining a compact overall size.
- 3.4.2 Weight
 - 3.4.2.1 The MPCK (para. 3.3.1) must not exceed 300 g.
 - 3.4.2.2 The MPCK Knife (para. 3.3.1.1) must not exceed 175 g.
- 3.4.3 Colour
 - 3.4.3.1 The MPCK must be either non-reflective black or brown in colour.

3.5 Performance Characteristics

- 3.5.1 Multi-Purpose Combat Knife
 - 3.5.1.1 Blade
 - 3.5.1.1.1 The blade must be strong and rigid without compromising fine cutting ability demonstrated by a blade thickness, as measured directly forward of the hilt, of no less than 2.8 mm (0.11 inches) and no more than 5.0 mm (0.2 inches).
 - 3.5.1.1.2 The blade material must be manufactured from either AUS-8 or 154 CM steel to ensure ideal properties (strength, durability, corrosion resistance, edge retention, etc.) for the intended use (see para. 1.3).
 - 3.5.1.1.2.1 The blade material composition must have:
 - 3.5.1.1.2.1.1 Carbon composition of 0.70% - 1.10% for high material strength without compromising toughness;
 - 3.5.1.1.2.1.2 Chromium composition of 13.00%-14.50% for corrosion resistance, wear resistance, and hardenability without compromising toughness; and
 - 3.5.1.1.2.1.3 Manganese composition of no less than 0.40% to aid grain structure and hardenability.

- 3.5.1.1.3 The blade must have very good edge retention properties with minimal brittleness demonstrated by a blade HRC hardness of no less than 55 and no more than 60.
- 3.5.1.1.4 The blade must be of a drop point or clip point style.
- 3.5.1.1.5 The cutting edge must be a straight, fine edge with no serrations.

3.5.1.2 Handle

- 3.5.1.2.1 The handle must be made of glass-reinforced nylon or G10.
- 3.5.1.2.2 The handle must be rubberized and/or textured in order to maximize grip.
- 3.5.1.2.3 The handle must be of full tang construction.
- 3.5.1.2.4 The bottom (pommel) of the handle must have an incorporated lanyard hole or slot.
- 3.5.1.2.5 The handle must have an ergonomic, integrated easy grip handle sized to fit from the 5th percentile female up to the 95th percentile male hand.

Table 1: Anthropomorphic data.

	Hand Length (Label A in Figure 1)	Hand Breadth (Label B in Figure 1)	Hand Circumference (Label C in Figure 1)
5th Percentile Female	16.1cm (6.34 inches)	7.0 cm (2.76 inches)	16.8 cm (6.61 inches)
95th Percentile Male	21.1cm (8.31 inches)	9.8 cm (3.86 inches)	23.5 cm (9.25 inches)

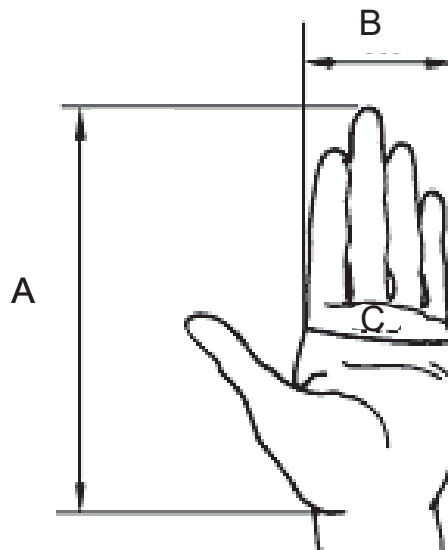


Figure 1: Anthropometric Diagram of hand showing measurement locations [DOD-HDBK-743A February 1991].

3.5.2 Sheath

- 3.5.2.1 The sheath material must be a reinforced or ballistic nylon.
- 3.5.2.2 For additional protection when donned, the sheath must incorporate a hard, strong material, such as Kydex or equivalent, surrounding the entire sheathed blade.
- 3.5.2.3 The sheath must be MOLLE compatible.
- 3.5.2.4 The sheath must be ambidextrous.
- 3.5.2.5 The sheath must be attachable to a belt width up to 5 cm (2 inches).

3.6 Environmental and Climatic Characteristics

3.6.1 Climatic Conditions

- 3.6.1.1 The MPCK must meet all performance requirements (para. 3.5) and have no degradation in cutting performance or durability when exposed to climatic conditions ranging from -46°C through +49°C inclusive.

3.6.2 Atmospheric Conditions

- 3.6.2.1 The MPCK must meet all performance requirements (para. 3.5) and have no degradation in cutting performance or durability in relative humidity ranging from 5% to 100%.
- 3.6.2.2 The MPCK must meet all performance requirements (para. 3.5) and have no degradation in cutting performance or durability when exposed to sand, dust or rain.
- 3.6.2.3 The MPCK must be constructed of materials offering protection (over an operational life of 5 years) against corrosion and deterioration caused by atmospheric conditions, corrosive agents, and ground moisture.

3.7 Construction

- 3.7.1 Materials used in the fabrication of the MPCK must be of highest quality and be consistent with good commercial practice.
- 3.7.2 All MPCK components must be made using new materials and components only.

3.8 Identification and Labelling

- 3.8.1 It is desirable that the MPCK be free of the manufacturer name. If the manufacturer name is visible while the knife is in the sheath, the name should match the colour of the material as described in 3.4.3.
- 3.8.2 There must be no visible celebrity endorsements on any MPCK component.

3.9 Project Management

3.9.1 Program Management Program

- 3.9.1.1 The Contractor must designate a Project Manager with the responsibilities to coordinate, execute, and manage the Contractor's project management activities for the Contract. The contractor's Project Manager must have the total responsibility for all works required under the Contract.
- 3.9.1.2 The Contractor's Project Manager must be the primary point of contact between the Contractor and the DND technical Authority and PWGSC Contracting Authority (CA) for all issues related to the Contract.

3.9.2 Project Meetings

3.9.2.1 Meeting Organization and Coordination

- 3.9.2.1.1 The Contractor must ensure that data, personnel and facilities are available for each meeting, which may be performed by teleconference.

- 3.9.2.1.2 The Contractor's Project Manager must be present at all meetings. If the Project Manager does not have final approval authority for decision making and changes, then the person that has that final approval authority must also be present at all meetings.
 - 3.9.2.2 Kick-off Meeting
 - 3.9.2.2.1 The Contractor must host the kick-off meeting no later than thirty (30) calendar days after contract award to review and secure a common understanding of the requirements expressed in the documents.
 - 3.9.2.2.2 A (hardcopy) top level Assembly drawing (IAW section 7.4 of D-01-400-001/SG-000) of the MPCK and its major components, complete with dimensions and title block must be provided at the end of the Kick-off meeting.
 - 3.9.2.3 Other meetings
 - 3.9.2.3.1 The Contractor and/or the TA may schedule informal reviews, such as teleconferences, video conferences, briefings and technical interchange meetings, as required to achieve the requirements of the Contract.
 - 3.9.2.3.2 The contractor must formally submit all items that could have a contractual impact as they arise.
 - 3.9.2.4 Meeting Documentation
 - 3.9.2.4.1 The Contractor must prepare and deliver a meeting agenda for all meetings.
 - 3.9.2.4.2 The Contractor must record, prepare, and deliver the minutes of each meeting.
- 3.10 **Integrated Logistics Support (ILS)**
 - 3.10.1 Publications and technical documentation must be provided as follows:
 - 3.10.2 User Guide
 - 3.10.2.1 The User Guide must describe and illustrate the MPCK.
 - 3.10.2.2 The User Guide must be no larger than one US Letter sized page and folded to fit within the MPCK size requirement confines (para. 0)
 - 3.10.2.3 The User Guide must be provided in English and Canadian French.
 - 3.10.2.4 The Contractor must have the User Guide text translated by certified translators, such as members of an authorized provincial association of translators to ensure the quality of translated text.
 - 3.10.2.5 The Contractor must ensure all translations are consistent with approved DND terminology.
 - 3.10.2.6 The User Guide must provide detailed information on the installation, care and use of the MPCK.
 - 3.10.2.7 The User Guide drafts must be delivered to DSCO 5-3 and the TA within thirty (30) business days following the Kick-Off Meeting.
 - 3.10.2.8 Final copies of the User Guide (hard copies and electronic copies in PDF format) must be delivered to DSCO 5-3 and the TA within five (5) business days of receipt of comments.
 - 3.10.2.9 Hard copy of TA approved User Guide must accompany each MPCK.
 - 3.10.3 Original Equipment Manufacturer (OEM) Literature

3.10.3.1 The Contractor must supply a complete set of OEM literature for the MPCK to DSCO 5-2 and the TA.

3.10.3.2 The Contractor must deliver hard copies and electronic copies in PDF format to DSCO 5-3 and the TA within thirty (30) business days following the Kick-Off Meeting.

4.0 Contract Deliverables

4.1 General

4.1.1 The Contractor must ensure that the MPCKs are delivered correctly adjusted and serviced such that the systems are ready for operation and transportation.

4.2 List of Deliverables

Line Item	Description	Qty
1	Multi-Purpose Combat Knife (3.3.1)	4000
2	Top Level Assembly Drawing (3.9.2.2.2)	1
3	User Guide (3.10.2)	LOT
4	Original Equipment Manufacturer Literature (3.10.3)	LOT

ANNEX B

Technical Evaluation

Table of Contents

1. General

- 1.1. Introduction
- 1.2. General Form of Proposals

2. Bid Evaluation

- 2.1. Responding to Evaluation Criteria – Appendix 1
- 2.2. Compliance Method – Appendix 1
- 2.3. Compliance Method – Appendix 2

Technical Bid Evaluation for Multi-Purpose Combat Knife

1. General

1.1. *Introduction*

This document outlines a plan for a bid evaluation. It identifies the technical criteria to be evaluated. Evaluation will be based on mandatory criteria.

1.2. *General Form of Proposals*

Proposals must address in clearly organized, printed (i.e., not handwritten) narrative form all subjects identified in this bid evaluation plan. Responses consisting of simple statements of compliance without clear and full supporting detail could prevent proper assessment and result in proposal being rejected from further consideration.

Compliance with all checklists and certifications requested in the Request for Proposal (RFP) document is required to determine the responsiveness of bids.

2. Bid Evaluation

2.1. *Responding to Evaluation Criteria – Appendix 1*

For each listed requirement, the bidder must provide a response in the Bidder's Response/References" column in Appendix 1 of Annex B, to clearly explain how the requirement is met, either by including the specific reference to indicate where in their proposal the information is found or including the complete response directly in that column.

Bidders must provide the information required for each listed requirement in accordance with the method identified in the "Compliance Documentation Required" column of Appendix 1 to Annex B.

2.2. *Compliance Method – Appendix 1*

The following methods, as indicated in the "Compliance Documentation Required" column of Appendix 1, will be used to define the minimum information required from the bidders against each requirement:

- a) Compliance Statement (CS) - Where "Compliance Statement" is identified in the "Compliance Documentation Required" column, the Bidder must provide a compliance statement that describes in detail how the equipment offered fully complies with the requirement. Supporting documentation is requested but not essential.
- b) Technical Document (TD) - Where "Technical Document" is identified in the "Compliance Documentation Required" column, the bidder must

provide a completed and detailed technical document detailing the material used and its properties.

- c) Technical Evaluation (TE) - Where "Technical Evaluation" is identified in the "Compliance Documentation Required" column, compliance with the requirement must be evaluated by the bid evaluation team in accordance with Appendix 2 to Annex B.
- d) Proof of Sale (PS) – Where "Proof of Sale" is identified in the "Compliance Documentation Required" column, the Bidder must provide proof of sales in the specified quantity demonstrated through supporting documentation and references.

2.3. Compliance Method – Appendix 2

- a) **Two (2) samples of the proposed MPCK must be provided with each bid at closing that will be forwarded to the technical authority as part of the technical bid evaluation. If the samples are not included with the proposal, the bid will be found non-compliant.**

Bid Evaluation Criteria for the
Multi-Purpose Combat Knife (MPCK)
Appendix 1 – Mandatory Requirements

Appendix 1: MANDATORY REQUIREMENTS

Key Requirement Criteria with References	Requirement Description	Compliance Documentation Required CS - Compliance Statement TD - Technical Document TE - Technical Evaluation PS - Proof of Sale	Compliance Documentation Provided (This column is for the Evaluation Team only)		Bidder's Response/References	Compliance (This column is for the Evaluation Team only)	
			Yes	No		"C"	"NC"
Annex A, para. 3.2.1.1	The MPCK must be a commercial off-the-shelf (COTS) system, defined as a non-developmental item (NDI) of supply that is both commercial and sold in substantial quantities, in excess of 500, in the commercial marketplace.	PS					
Annex A, para. 3.2.1.2	The MPCK must be a proven, fielded system, with a NATO Stock Number (NSN), that is in-service with a North Atlantic Treaty Organization (NATO) or American, British, Canadian, Australian (ABCA) military partner.	CS					
Annex A, para. 3.4.1.1	The MPCK (Annex A, para. 3.3) with the blade sheathed must have dimensions not exceeding 30 cm x 7 cm x 5 cm, with no part of the MPCK extending beyond this envelope.	TE					
Annex A, para. 3.4.1.2	The blade, measured as the shortest distance from the point tip to the forward edge of the guard/handle, must be no less than 10.7 cm (4.20 inches) and no more than 12.7 cm (5 inches) in length.	TE					

Key Requirement Criteria with References	Requirement Description	Compliance Documentation Required CS - Compliance Statement TD - Technical Document TE - Technical Evaluation PS - Proof of Sale	Compliance Documentation Provided (This column is for the Evaluation Team only)		Bidder's Response/References	Compliance (This column is for the Evaluation Team only)	
			Yes	No		"C"	"NC"
Annex A, para. 3.4.2.1	The MPCK (Annex A, para. 3.3.1) must not exceed 300 g.	TE					
Annex A, para. 3.4.2.2	The MPCK Knife (Annex A, para. 3.3.1.1) must not exceed 175 g.	TE					
Annex A, para. 3.4.3.1	The MPCK must be either non-reflective black or brown in colour.	TE					
Annex A, para. 3.5.1.1.1	The blade thickness, as measured directly forward of the hilt, of no less than 2.8 mm (0.11 inches) and no more than 5.0 mm (0.2 inches).	TE					
Annex A, para. 3.5.1.1.2	<p>The blade material must be manufactured from either AUS-8 or 154 CM steel:</p> <ul style="list-style-type: none"> Carbon composition of 0.70% - 1.10% for high material strength without compromising toughness; Chromium composition of 13.00%-14.50% for corrosion resistance, wear resistance, and hardenability without compromising toughness; and Manganese composition of no less than 0.40% to aid grain structure 	TD					

Key Requirement Criteria with References	Requirement Description	Compliance Documentation Required CS - Compliance Statement TD - Technical Document TE - Technical Evaluation PS - Proof of Sale	Compliance Documentation Provided (This column is for the Evaluation Team only)		Bidder's Response/References	Compliance (This column is for the Evaluation Team only)	
			Yes	No		"C"	"NC"
	and hardenability.						
Annex A, para. 3.5.1.1.3	The blade must have a HRC hardness of no less than 55 and no more than 60.	TD					
Annex A, para. 3.5.1.1.5	The cutting edge must be a straight, fine edge with no serrations.	TE					
Annex A, para. 3.5.1.2.1	The handle must be made of glass-reinforced nylon or G10.	TD					
Annex A, para. 3.5.1.2.3	The handle must be of full tang construction.	CS					
Annex A, para. 3.5.2.1, 3.5.2.2	The sheath material must be a reinforced or ballistic nylon. The sheath must incorporate a hard, strong material, such as Kydex, surrounding the entire sheathed blade.	CS					
Annex A, para. 3.5.2.3	The sheath must be MOLLE compatible.	CS					

Bid Evaluation Criteria for the
Multi-Purpose Combat Knife
Appendix 2 – Technical Evaluation

Technical Evaluation for Multi-Purpose Combat Knife

Instrument used for measurements and serial number: _____

Knife Sample # _____

Requirements as per RFP W8486-XXXXXX	Remarks	“C”	“NC”
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Instructions for evaluation:

- Read each requirement.
- Indicate if the sample meets or does not meet the requirement and reasons if requirement not met.
- Indicate all values for each measurement taken.
- Instrument used for measurement must be the same for all evaluators
- Sign and date only when your evaluation is complete.

The MPCK (Annex A, para. 3.3) with the blade sheathed must have dimensions not exceeding 30 cm x 7 cm x 5 cm, with no part of the MPCK extending beyond this envelope.	MPCK Overall Dimensions					
	Length	Width	Height			
	cm	cm	cm			
The blade, measured as the shortest distance from the point tip to the forward edge of the guard/handle, must be no less than 10.7 cm (4.20 inches) and no more than 12.7 cm (5 inches) in length.	Blade Length					
	cm					
The MPCK (Annex A, para. 3.3.1) must not exceed 300 g.	System Weight					
	g					

Technical Evaluation for Multi-Purpose Combat Knife

Instrument used for measurements and serial number: _____

Knife Sample # _____

Requirements as per RFP W8486-XXXXXX	Remarks	“C”	“NC”
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The MPCK Knife (Annex A, para. 3.3.1.1) must not exceed 175 g.	Knife Weight		
	g		
The MPCK must be either non-reflective black or brown in colour.	Colour		
The blade thickness, as measured directly forward of the hilt, of no less than 2.8 mm (0.11 inches) and no more than 5.0 mm (0.2 inches).	Blade Thickness		
	mm		
The cutting edge must be a straight, fine edge with no serrations.			

Compliant	
Non-Compliant	

Rank	Inspector Name	Signature	Date
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ANNEX C
Pricing Basis

2013 – Firm Quantities

Product: Multi-purpose Combat Knife

Quantity	Unit of Issue	Firm Unit Price/FOB Destination
4000	Each	\$ _____ (A)

Number of units per shipping container _____

Note: Suppliers must submit unit prices for all 3 years including the quantity ranges to be found compliant

Unit Cost: In this quotation the bidder must calculate the unit prices as FOB Destination

2014 – First Option Year Quantities

Product: Multi-purpose Combat Knife

Quantity	Unit of Issue	Firm Unit Price/FOB Destination
0 to 499	Each	\$ _____ (B)
500 to 999	Each	\$ _____ (C)
1000 to 1499	Each	\$ _____ (D)
1500 to 2000+	Each	\$ _____ (E)

Number of units per shipping container _____

Note: Suppliers must submit unit prices for all 3 years including the quantity ranges to be found compliant

Unit Cost: In this quotation the bidder must calculate the unit prices as FOB Destination

2015 – Second Option Year Quantities

Product: Multi-purpose Combat Knife

Quantity	Unit of Issue	Firm Unit Price/FOB Destination
0 to 499	Each	\$ _____ (F)
500 to 999	Each	\$ _____ (G)
1000 to 1499	Each	\$ _____ (H)
1500 to 2000+	Each	\$ _____ (I)

Number of units per shipping container _____

Note: Suppliers must submit unit prices for all 3 years including the quantity ranges to be found compliant

Unit Cost: In this quotation the bidder must calculate the unit prices as FOB Destination

Total Average Price

$$(A \times 0.5) + \frac{(B + C + D + E + F + G + H + I)}{8} \times 0.5 = \text{Total Average unit price}$$