

National Defence

Défense nationale

National Defence Headquarters Ottawa, Ontario K1A 0K2

Quartier général de la Défense nationale Ottawa (Ontario) K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

Bid Receiving – PWGSC / Réception des soumissions - TPSGC 11 Laurier St. / 11 rue Laurier Place du Portage, Phase III Core 0B2 / Noyau 0B2 Gatineau Québec K1A 0S5

Proposal To: National Defence 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 and services listed herein and on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale 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 et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Title/Titre Solicitation No – N° de l'invitation Personal Defence Weapon W6399-19-KG77/A Date of Solicitation – Date de l'invitation 27 May 2019 Address Enquiries to – Adresser toutes questions à Marc Courneyea (marc.courneyea @forces.gc.ca) FAX No – N° de fax Telephone No. – N° de téléphone FAX No – N° de fax 613-990-4939 Destination SEE HEREIN SEE HEREIN

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Solicitation Closes – L'invitation prend fin

At - à : 02:00 PM EST

On - le : 26 June 2019

Delivery required - Livraison exigée	Delivery offered - Livraison proposée
Vendor Name and Address - Raison so	ciale et adresse du fournisseur
Name and title of person authorized to	sign on behalf of vendor (type or
print) - Nom et titre de la personne auto	0
(caractère d'imprimerie)	onsee a signer au nom du tournisseur
(caractere a imprimerie)	
Name/Nom	Title/Titre
Signature	Date



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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

- 1. Before award of a contract, the following conditions must be met:
 - the Bidder must hold a valid organization security clearance as indicated in Part 6 -Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirements as indicated in Part 6 Resulting Contract Clauses; and
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
- 2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful Bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
- 3. For additional information on security requirements, Bidders should refer to the <u>Industrial Security</u> <u>Program (ISP)</u> of Public Works and Government Services Canada (http://ssi-iss.tpsgcpwgsc.gc.ca/index-eng.html) website.

1.2 Requirement

The requirement is detailed under Article 6.2 Statement of Work of the resulting contract clauses

1.3 Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The <u>2003</u> (2018-05-22) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety; and
- b) Section 20(2), Further Information is deleted in its entirety.

Subsection 5.4 of <u>2003</u>, Standard Instructions - Goods or Services –Competitive Requirements, is amended as follows:

Delete: 60 days Insert: 180 days

2.1.1 SACC Manual Clauses

<u>A9130T</u> (2014-11-27), Controlled Goods Program - Bid <u>B1000T</u> (2014-06-26), Condition of Material - Bid

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

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

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

2.4 Applicable Laws

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

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

3.1 Bid Preparation Instructions

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

Section I:	Technical Bid (three (3) hard copies and one (1) soft copy of CD)
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Section II: Financial Bid (one (1) hard copies)

Section III: Certifications (one (1) hard copies)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid. Bidders may use Annex D to indicate their prices. If Bidders choose to use Annex D to indicate their prices, Bidders must include Annex D in their financial bid.

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

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

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

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

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.

Section II: Financial Bid

Bidders must submit their financial bid as follows:

Bidders must submit firm prices, Delivered Duty Paid (DDP) at Kingston, Ontario Incoterms 2010, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

3.1.1 Electronic Payment of Invoices – Bid

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

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

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

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

3.1.3 SACC Manual Clauses

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria Detailed at Annex C

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) at Kingston, Ontario Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection

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 on an aggregate basis, as detailed in para 2 of Annex D – Basis of Payment, will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Precedent to Contract Award and Additional Information

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

5.1.1 Integrity Provisions – Required Documentation

In accordance with the <u>Ineligibility and Suspension Policy</u> (http://www.tpsgc-pwgsc.gc.ca/ciif/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the <u>Employment and Social Development Canada (ESDC) - Labour's</u> website (<u>http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed</u>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 The following security requirements (SRCL and related clauses provided by ISP) apply and form part of the Contract.

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE Nº W6399-19-KG77

- 1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (**DOS**), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
- 2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid **RELIABILITY** STATUS, granted or approved by CISD/PWGSC.
- 3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
- 4. The Contractor/Offeror must comply with the provisions of the:
 - a) Security Requirements Check List and security guide (if applicable), attached at Annex F;
 - b) Industrial Security Manual (Latest Edition).
- **6.1.2** The Contractor must provide the approved Visit Clearance Request (VCR) to <u>P-</u> <u>OTG.DGLEPMDIVOR@intern.mil.ca</u> with the subject line providing the contract reference.

6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A"

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

<u>2010A</u> (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before <u>180 days</u> after contract award.

6.4.2 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at <u>Annex A</u> of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within twenty four (24) months after contract award by sending a written notice to the Contractor.

6.4.3 Shipping Instructions

Goods must be consigned and delivered to the destination specified in the contract:

1. Delivery Duty Paid (DDP) Kingston, ON, Incoterms 2010 for shipments from a commercial contractor.

CFB Kingston, Kingston Ontario. Specific delivery address and contact information to be provided after contract award

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name:	Marc Courneyea
Title:	Senior Procurement Officer
	Department of National Defence
	DLP 8-2-4
Address:	101 Colonel By Drive

Ottawa, ON K0A 2K0

Telephone: 613-990-4939 E-mail address: marc.courneyea@forces.gc.ca

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

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name:		
Title:		
Organization:		
Address:	 	
Telephone:	 	
Facsimile:	 	
E-mail address:		

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

6.5.3 Contractor's Representative

General enquiries	Delivery follow-up		
Name:	Name:		
Telephone:	Telephone:		
E-mail:	E-mail:		

6.6 Proactive Disclosure of Contracts with Former Public Servants

N/A

6.7 Payment

6.7.1 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 Annex D for a cost of \$ _____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

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

6.7.2 Limitation of Price

<u>C6000C</u> (2017-08-17) - Limitation of Price

6.7.3 Multiple Payments

H1001C (2008-05-12) – Multiple Payments

6.7.4 SACC Manual Clauses

C2000C (2007-11-30) - Taxes - Foreign-based Contractor

6.7.5 Electronic Payment of Invoices – Contract

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

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

6.8 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.

Department of National Defence CANSOFCOM HQ 101 Colonel By Drive Ottawa, Ontario K1A 0K2 Attn: Marc Courneyea, DLP 8-2-4 Email: marc.courneyea@forces.gc.ca

6.9 Certifications

6.9.1 Compliance

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

6.10 Applicable Laws

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

6.11 **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 Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21), General Conditions Goods (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Technical and Performance Specifications;
- (e) Annex D, Basis of Payment;
- (f) Annex F, Security Requirements Check List;
- (g) the Contractor's bid dated _____ (*insert date of bid*)

6.12 Defence Contract

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

6.13 Insurance

SACC Manual clause G1005C (2016-01-28) Insurance – No Specific Requirement

6.14 Controlled Goods

SACC Manual clause <u>A9131C</u> (2014-11-27), Controlled Goods Program SACC Manual clause <u>B4060C</u> (2011-05-16), Controlled Goods

6.15 Existing Technical Publications – Translation

The Contractor grants to Canada a non-exclusive, perpetual, irrevocable and royalty-free license to translate and reproduce for government use all or any part of the technical publications supplied with the equipment delivered under the Contract. Copyright in the translation made by Canada or by independent contractors engaged by Canada will belong to Canada.

In addition to the copies which are to be delivered with the equipment, 2 electronic copies of each publication must be forwarded to:

Department of National Defence CANSOFCOM HQ MGen George Pearkes Building Ottawa, Canada K1A 0K2 Attention: Michael Afful.

6.16 Packaging Requirement

The Contractor must prepare item 001 for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-027/SF-001*, Small Arms Weapons.

The Contractor must prepare all remaining items in Annex "D" for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-036/SF-000*, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package all items in quantities of 1 per package.

SACC Manual clause <u>D2025C</u> (2017-08-17), Wood Packing Materials

6.17 Quality Assurance

SACC Manual clause <u>D5545C</u> (2010-08-16), ISO 9001:2008 – Quality Management Systems Requirement (Quality Assurance Code C)

6.17.1 Safety Inspection

Prior to accepting any weapon, a complete safety inspection will be conducted on each weapon by a qualified DND Weapons Technician and an authorized Crown testing facility. For any weapon that is deemed unsafe, the reasons will be recorded and the weapon will be returned to the Contractor for repair or replacement. The safety inspection can include the following:

- a) Design safety and suitability assessment to include:
 - I. Firing pin protrusion (must meet the gauging limits for the weapon min/max);
 - II. Firing pin energy (enough to prevent misfire);
 - III. Headspace (verified with a go no-go gauge); and
 - IV. Barrel bore straightness (gauge must pass freely through the barrel).
- b) Feed system safety (determination of the possibility of double feeding);
- c) Interchangeability of parts that precludes misfire due to a changed part;
- d) Test Firing to confirm capability to fire from concealed and expanded configurations, and reliability probability of misfire occurrence;

e) All functionality checks and inspections as required by the maintenance manual; and Test firing using each magazine provided with the weapon.

6.17.2 Laboratory Testing

Prior to accepting any weapon, DND reserves the right to conduct confirmatory testing on a randomly selected sample of at least four (4) of the provided weapons, by an authorized Crown testing facility to confirm that the weapons provided meets the specification and responses provided in the bid package. Testing can include confirmation of the following criteria:

- a) Dimensional measurements:
- b) Functional and Casualty testing in accordance with AEP-97 to confirm compatibility with NATO standard ammunition, and reliability;
- c) Velocity Impact at distance measurements;
- d) Drop and functionality testing; and
- e) Specification confirmation and performance verification.

6.18 SACC Manual clause

<u>A1009C</u> (2008-05-12), Work Site Access <u>A9062C</u> (2011-05-16), Canadian Forces Site Regulations <u>B7500C</u> (2006-06-16), Excess Goods

ANNEX "A" - STATEMENT OF WORK FOR THE PERSONAL DEFENCE WEAPON

1.0 SCOPE

1.1 Purpose

The purpose of this statement of work is to define the requirements for the provision of the Personal Defence Weapon (PDW) for the Department of National Defence.

1.2 Background

DND has a requirement for a concealable, automatic, sub-machine gun to enable soldiers to operate in tactical environments in an independent manner.

1.3 Applicable Documents

- **AEP-97** Multi Calibre Manual of Proof and Inspection (M-C MOPI) for 5.56 mm, 7.62 mm, 9 mm and 12.7 mm Ammunition
- **ISO 9001** Quality management systems (www.iso.org)
- MIL-HDBK-61A Configuration Management Guidance (www.everyspec.com)

1.4 Acronyms

"CM"	Configuration Management
"COTS"	Commercial off-the-shelf
"DND"	Department of National Defence
"MOTS"	Military off-the-shelf
"NCAGE"	NATO Commercial and Government Entity code
"NATO"	North Atlantic Treaty Organization
"NSN"	NATO Stock Number
"OEM"	Original Equipment Manufacturer
"TA"	Technical Authority
"PA"	Procurement Authority
"PDW"	Personal Defence Weapon

1.5 Definitions

Concealed Configuration	The concealed configuration is the standard configuration of the PDW with the stock collapsed or folded.
Expanded Configuration	The expanded configuration is the standard configuration of the PDW with the stock expanded or un folded.
Standard Configuration	The standard configuration for the PDW is the PDW with the rails, sight, stock and flash suppressor attached, and a larger capacity magazine loaded.

2.0 DELIVERABLES

2.1 Requirement - Contract

The Contractor shall deliver the following:

(a) Quantity forty eight (48) PDWs in accordance with the Technical and Performance Specifications at Annex B, including the following accessories with each:

- i. Quantity one (1) Picatinny Rail System to attach various weapon sights and aiming devices;
- ii. Quantity three (3) Large Capacity magazines;
- iii. Quantity two (2) Standard Capacity magazines;
- iv. Quantity one (1) removable full suppressor;
- v. Quantity one (1) removable flash suppressor;
- vi. Quantity one (1) adjustable iron sight with luminous painted or tritium points;
- vii. Quantity one (1) operator tool/cleaning kit;
- viii. Quantity one (1) detachable single point sling or harness, which can be used left handed and right handed;
- ix. Quantity one (1) paper copy of the operator's manual per Section 2.5.2;
- x. Quantity one (1) discrete civilian pattern carrying bag or case, per Section 2.7.1 of Annex B; and
- xi. Quantity one (1) shipping and storage container, per Section 2.7.2 of Annex B.
- (b) Quantity two (2) Technical Tool Kit, per Section 3.1 of Annex B;
- (c) Quantity thirty (30) of the Large Capacity magazines
- (d) Training in accordance with Section 2.4.

2.2 Optional Quantities

The Contractor grants to Canada the irrevocable options to acquire the goods herein under the same conditions and at the prices stated in the Contract. The options may only be exercised by the Contracting Authority within twenty-four (24) months of Contract Award.

- (a) Up to an additional fifty (50) PDWs in accordance with the Technical and Performance Requirements at Annex A, including the following accessories with each:
 - i. Quantity one (1) Picatinny Rail System to attach various weapon sights and aiming devices;
 - ii. Quantity three (3) Large Capacity magazines;
 - iii. Quantity two (2) Standard Capacity magazines;
 - iv. Quantity one (1) removable full suppressor;
 - v. Quantity one (1) removable flash suppressor;
 - vi. Quantity one (1) adjustable iron sight with luminous painted or tritium points;
 - vii. Quantity one (1) operator tool/cleaning kit;
 - viii. Quantity one (1) detachable single point sling or harness, which can be used left handed and right handed;
 - ix. Quantity one (1) paper copy of the operator's manual per Section 2.5.2;
 - x. Quantity one (1) discrete civilian pattern carrying bag or case, per Section 2.7.1 of Annex B; and
 - xi. Quantity one (1) shipping and storage container, per Section 2.7.2 of Annex B.
- (b) Up to an additional two (2) Technical Tool Kit, per Section 3.1 of Annex B;
- (c) Up to an additional thirty (30) of the Large Capacity magazines

2.3 Kickoff Meeting

The Contractor shall hold a contract kickoff meeting at its PDW's production facility or by teleconference, as arranged with the Contracting Authority, within 4-6 weeks of contract award. This meeting will be used to introduce the DND project team and to discuss production timelines, QA processes, training,

accessories, delivery options and location. DND will be responsible for all travel and associated costs for DND personnel attending the meeting.

2.4 Training

2.4.1 Operator Training Course

The Contractor must provide one (1) Operator training. The training must:

- a) Take no more than five (5) consecutive business days to complete;
- b) Accommodate up to twelve (12) student trainers;
- c) Train and qualify attendees:
 - I. In the complete use of the weapon;
 - II. To qualify them to train DND operators in the use of the weapon;
 - III. To train and qualify trainers of the weapon;
- d) Provide an opportunity for the attendees to use the weapon;
- e) Include one paper copy of the student training manuals and materials for each attendee;
- f) Provide opportunities for, and answers to, all attendee questions about the use and basic care of the PDW, and training on the PDW; and
- g) Provide a certificate to each attendee who has successfully completed all aspects of the course and is now qualified as specified in article 2.4.1 c).

DND will provide a maximum of 300 rounds of NATO standard ammunition per attendee for use with weapon and shooting familiarization.

2.4.2 Operator Training Course Location

Training must take place:

- a) At a designated DND facility that will be located within 300 km of Ottawa;
- b) Must be completed within 30 days of the delivery of the first twelve (12) weapons;
- c) At least 30 calendar days prior to the first scheduled delivery of equipment, the contractor must contact the TA to:
 - I. Coordinate training dates;
 - II. Confirm training location;
 - III. Confirm training location's primary Point of Contact; and
 - IV. Confirm training facility requirements (including: classrooms, weapons range, presentation facilities, and ammunition requirements).

2.4.3 Maintenance Training Course

The Contractor must provide Maintenance training. The training must:

- a) Take no more than five (5) consecutive business days to complete;
- b) Accommodate up to eight (8) student trainers;
- c) Train and qualify attendees:
 - I. In the use of the weapon;
 - II. In the complete maintenance of the weapon, including all maintenance outlined in the maintenance manual;
 - III. To enable them to train maintainers on the maintenance of the weapon; and
 - IV. To train and qualify maintenance trainers of the weapon;
- d) Provide an opportunity and the facilities for attendees to use the weapon;
- e) Provide an opportunity, the facilities, and the necessary tools and equipment to enable trainees to perform the basic hands-on maintenance tasks required based on weapon usage (e.g. a 5,000 round maintenance check);

- f) Include one paper copy of the student training manuals and materials for each attendee;
- g) Provide opportunities, and answers to all attendee questions about the use and full care of the PDW; and
- h) Provide a certificate to each attendee who has successfully completed all aspects of the course and is now qualified as specified in article 2.4.3 c).

2.4.3.1 Maintenance Training Course Location

Training must:

- a) Take place at the Contractor provided facility located in Continental North America;
- b) Include lunch and snacks / liquids (tea coffee, juice) at the breaks for each trainee; and
- c) Take place within 90 business days of first equipment delivery. Within 30 days of contract award, the contractor must contact the TA to:
 - I. Coordinate training dates;
 - II. Confirm training location;
 - III. Confirm the training location's primary Point of Contact; and
 - IV. Confirm training facility requirements and provisions (including: classrooms, weapons range, presentation facilities, and maintenance equipment provided).

2.5 Documentation

2.5.1 General Documentation

2.5.1.1 Electronic Copies

The format of electronic files must be:

- a) For documents either Portable Document Format (.PDF) compatible with Adobe Acrobat Reader X or Microsoft Office format (.DOCX, .XLSX, or .PPTX) compatible with MS Office 2010; and
- b) For images, a .jpeg format file with a minimum 3 mega pixel resolution.

2.5.1.2 Units of Measure

All measurements must be in metric (SI) format. Converted measurements are permitted to accompany provided measurements as applicable.

2.5.2 Operator Manual

The Contractor must provide one (1) paper copy of the PDW's operator manual, packaged and shipped with each PDW.

The Contractor must provide one (1) electronic copies and one (1) paper copy of the PDW's operator manual to the TA, no later than 60 days after contract award.

The operator manual must at a minimum:

- a) Describe, including illustrations, the operation of the PDW;
- b) Including diagrams clearly identifying components;
- c) Include safety instructions;
- d) Describe, including illustrations of steps and diagrams clearly identifying components, the basic maintenance and care for the PDW, including lubrication;
- e) Include a basic trouble shooting guide, for issues whose solutions require tools or equipment to complete; and
- f) Include a complete list of components detailing:
 - I. OEM Part numbers;
 - II. Name;
 - III. OEM NCAGE (or OEM name if NCAGE is unavailable);

- IV. NSN; and
- V. Quantity per PDW.

2.5.3 Maintenance Manual

The Contractor must provide one (1) electronic copies and one (1) paper copy of the PDW's maintenance manual to the TA, no less than 60 days after Contract Award.

The maintenance manual must at a minimum:

- a) Describe the complete maintenance for the PDW;
- b) Include a troubleshooting guide;

c)

- Include a recommended maintenance schedule with recommended maintenance for both:
 - I. Regularly scheduled time periods (e.g. monthly, bi-annually, and annually); and
 - II. Based on weapon usage (e.g. every 5,000 rounds, or every 10,000 rounds).
- d) Include a complete list of components detailing:
 - I. OEM Part numbers;
 - II. Name;
 - III. OEM NCAGE (or OEM name if NCAGE is unavailable);
 - IV. NSN; and
 - V. Quantity per PDW.

It is acceptable for the maintenance manual and operator manual to be provided as a combined manual meeting all the requirements in paragraph 2.5.2 Operator Manual and 2.5.3 Maintenance Manual.

2.5.4 Data Summary Information

The Contractor must provide two (2) electronic copies of the data summary information to the TA no later than 45 calendar days after contract award. One electronic copy must be in a non-editable format, such as .pdf. The other electronic copy must be in an appropriate editable format such as .docx, .xlsx.

The data summary information must:

a) Include the following individual images:

- I. One (1) left side colour image of the PDW with a white or no background;
- II. One (1) right side colour image of the PDW with a white or no background;
- III. One (1) colour image of the each accessory provided with the PDW with a white or no background; and
- IV. One (1) colour image of each item that is part of the individual cleaning kit with a white or no background.
- b) Include at a minimum the following information in a fully editable .docx or .xlsx file format compatible with MS Office 2013:
 - I. Manufacturer (Make);
 - II. Model;
 - III. NSN (if available);
 - IV. Equipment Controlled Commerce Number (where applicable);
 - V. Weights of:
 - 1. Bare weapon (without magazine / sling / stock / suppressors);
 - 2. Sling;
 - 3. Empty magazine (for each capacity)
 - 4. Full magazine (for each capacity);
 - 5. Stock;
 - 6. Full suppressor;
 - 7. Flash suppressor;
 - 8. Standard configuration weapon (full magazine, stock, flash suppressor); and
 - 9. Standard configuration weapon (empty magazine, stock, flash suppressor).
 - VI. Length with:

- 1. No stock, no suppressor;
- 2. No stock, flash suppressor;
- 3. No stock, full suppressor;
- 4. Collapsed stock, no suppressor;
- 5. Collapsed stock, flash suppressor;
- 6. Collapsed stock, full suppressor;
- 7. Expanded stock, no suppressor;
- 8. Expanded stock, flash suppressor; and
- 9. Expanded stock, full suppressor.
- VII. Width with:
 - 1. No stock;
 - 2. Collapsed or folded stock; and
 - 3. Expanded stock.
- VIII. Height of the standard configuration with the
 - 1. Small capacity magazine; and
 - 2. Large capacity magazine.
- IX. List of ancillary items provided with each PDW;
- X. Operating data:
 - 1. System of operation: (e.g. gas operated, direct impingement, short stroke piston, magazine fed);
 - 2. Safety feature(s);
 - 3. Projectile velocity at 24 m (in m/s and fps) and grains of explosive charge;
 - 4. Rate of fire (semi-automatic and automatic);
 - 5. Cyclic rate-of-fire; and
 - 6. Range (maximum and maximum effective).
- XI. Barrel data:
 - 1. Length (barrel only); and
 - 2. Length (with flash suppressor).
- XII. Rifling particulars:
 - 1. Number of grooves;
 - 2. Pitch of rifling; and
 - 3. Direction of twist.
- XIII. Sighting data:
 - 1. Iron sight radius;
 - 2. Front sight type (e.g. round post);
 - 3. Backup sight (e.g. flip type); and
 - 4. Zeroing (windage adjustment information).
- XIV. Gauging Specifications:
 - 1. Barrel (e.g. "plug gauge, 5.49mm (0.216in.) shall drop freely though the barrel with the barrel held vertically);
 - 2. Head space minimum (go gauge);
 - 3. Head space maximum (not go gauge);
 - 4. Firing pin protrusion minimum (not go);
 - 5. Firing pin protrusion maximum (go);
 - 6. Trigger pull;
 - 7. Torque limits:
 - i. Compensator;
 - ii. Barrel nut;
 - iii. Carrier key screws; and
 - iv. Receiver extension.
- XV. NSN and name for each accessory provided (where available); and
- XVI. NSN and name for each item that is part of the individual cleaning kit (where available).

2.5.5 Recommended Spare Parts List

The Contractor must provide two (2) electronic copies of the PDW's recommended spare parts list to the TA, no later than ninety (90) calendar days after Contract Award. One electronic copy must be in a noneditable format, such as .pdf. The other electronic copy must be in an appropriate editable format such as .docx, .xlsx to allow the addition of missing information such as NSN's or copy to an alternate file.

The recommended spare parts list must:

- a) Include every component of the PDW and special tools and test equipment required to maintain the PDW, annotated with the following for each item:
 - I. Official Item Name;
 - II. OEM and NCAGE (Manufacturer Code);
 - III. Original Manufacturer Part Number;
 - IV. Contractors Part Number (if different from OEM);
 - V. Unit Price; and
 - VI. NSN (if available).
- b) Include enough quantity to support the PDW with an estimated usage of 400 rounds per month

2.5.6 Additional Accessories Information Package

The Contractor must provide two (2) electronic copies of the PDW's additional accessories information package, within 30 calendar days of delivery. One electronic copy must be in a non-editable format, such as .pdf. The other electronic copy must be in an appropriate editable format such as .docx, .xlsx. The information package must include:

- a) A list of the OEM authorized additional accessories; and
- b) Brochures including images and information (with NSN were available) for each accessory.

2.5.7 Training Package

For each training course specified in section 2.4 - **Error! Reference source not found.**, the Contractor must provide a training package consisting of:

- a) Training presentations;
- b) Instructor materials;
- c) Student training materials;
- d) Testing materials;
- e) Student manuals; and
- f) A description of facility requirements for training.

2.5.7.1 Copies of Training Materials

The Contractor must provide within ninety (90) days after contract award two (2) electronic copies of all training materials for the Operator and Maintenance Training for TA approval. One electronic copy must be in a non-editable format, such as .pdf. The other electronic copy must be in an appropriate editable format such as .docx, .xlsx.

3.0 REQUIREMENTS

3.1 Configuration Management

The Contractor shall have an established, DND verifiable, Configuration Management (CM) 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 PDWs

delivered shall have the same product baseline and configuration that permits interchangeability/interoperability of part. The established product baseline shall be maintained during repair and any deviation from the baseline shall be approved in advance by the TA.

3.2 Testing

The Contractor must make available (upon request) for the Crown's review, all previous and current test results concerning the performance, reliability, maintainability, availability, environmental conditions, and safety of the PDW performed by the OEM.

ANNEX "B" - TECHNICAL AND PERFORMANCE SPECIFICATIONS FOR THE PERSONAL DEFENCE WEAPON

1.0 SCOPE

1.1 Purpose

This document describes the technical and performance requirements for the Personal Defence Weapon (PDW), its accessories, and associated technician tool kit for the Department of National Defence (DND).

1.2 Applicable Documents

The following documents form part of this specification to the extent specified herein, and are supportive of the specification when referenced in Section 2.0 and beyond; all other document references are to be considered supplemental information only. Unless otherwise specified, the issue or amendment of documents effective for this contract will be those in effect on the date of the contract award. In the event of a conflict between the documents referenced herein and the contents of the specification, then the contents of the specification will take precedence.

- ANSI/SAAMI Standard Z299.1-Z299.4 Pressure and velocity of rimfire sporting ammunition for the use of commercial manufacturers (www.saami.org)
- ANSI/SAMI Standard Z299.3 Voluntary industry performance standards for pressure and velocity of centerfire pistol and revolver ammunition for the use of commercial manufacturers(www.saami.org)
- ANSI/SAMI Standard Z299.3 Voluntary industry performance standards for pressure and velocity of centerfire rifle sporting ammunition for the use of commercial manufacturers (www.saami.org)
- MIL-STD-810G Test Method Standard for Environmental Engineering Considerations and Laboratory Tests (<u>http://everyspec.com/</u>)
- MIL-PRF-63460E Performance Specification Cleaner, Lubricant And Preservative For Weapons And Weapons Systems (<u>http://everyspec.com/</u>)
- Technology Readiness Assessment (TRA) Guidance (https://www.acq.osd.mil/chieftechnologist/publications/docs/TRA2011.pdf)
- Manufacturing Readiness Level Deskbook OSD Manufacturing Technology Program (http://www.dodmrl.com)
- D-02-002-001/SG-001 Identification Marking of Canadian Military Property
- STANAG 4090 Small Arms Ammunition (9mm Parabellum)
- STANAG 4172 5.56mm Ammunition (linked or not)
- SAAMI (<u>https://saami.org/</u>)
- CIP (<u>http://www.cip-bobp.org/</u>)
- NATO (www.nato.int)

1.3 Acronyms

"AAP"	Allied Administrative Publication
"CIP"	Permanent International Commission for Firearms Testing
"COTS"	Commercial Off-the-Shelf
"DOD"	Department of Defense [USA]
"MOTS"	Military Off-the-Shelf
"MRL"	Manufacturing Readiness Level
"NATO"	North Atlantic Treaty Organization
"NSN"	NATO Stock Number

"OEM"	Original Equipment Manufacturer
"OSD"	Office of the Secretary of Defense [USA]
"PDW"	Personal Defence Weapon
"RFP"	Request for Proposal
"SAAMI"	Sporting Arms and Ammunition Manufacturers' Institute
"TA"	Technical Authority
"TRL"	Technology Readiness Level
"TRA"	Technology Readiness Assessment

1.4 Definitions

r		
Ambidextrous	Capability of a shooter firing left or right handed to safely operate the switch or control without reconfiguration of the weapon, and with the shooting hand safely holding the trigger grip ready to fire.	
Length	Length is the dimension measured along an axis running parallel to the barrel. Length will be measured from the weapon rear (edge of the stock) to the weapon front (farthest tip of the barrel). Barrel length is measured from the face of the bolt to the end of the muzzle.	
Width/Thickness	Width (thickness) is the dimension measured along an axis perpendicular to length from the left surface of the weapon to the right.	
Height	Height is the dimension measured along an axis perpendicular to length and width from the bottom of the lowest component to the top of the weapon including all attachments, sights and accessories.	
Standard	The standard configuration for the PDW is the PDW with the rails, sight, stock	
Configuration	and flash suppressor attached, and the larger capacity magazine inserted.	
Concealed	The concealed configuration is the standard configuration of the PDW with the	
Configuration	stock collapsed or folded.	
Expanded	The expanded configuration is the standard configuration of the PDW with the	
Configuration	stock expanded or unfolded.	
Minor Malfunction	An event or condition that does not interrupt safe firing, but prevents full use of the weapon until corrective action is taken.	
Stoppage	 An event: (a) During the weapon cycling process that prevents the weapon from being safely fired; and (b) Resulting in a condition that can be corrected on the firing line by a qualified shooter within 10 seconds without the use of any tools or equipment, and without replacing any components or accessories; (Also known as a misfire or jam) 	
Failure	 An event which results in a condition: (a) Preventing the weapon from being safely fired; and (b) That cannot be corrected on the firing line within 10 seconds, requires corrective action to be performed by a weapon technician, or requires the use of tools, equipment, or replacement parts or accessories to correct. 	

2.0 **REQUIREMENTS**

The technical specification and performance requirements for the PDW are outlined in the following sections.

2.1 Environmental

The PDW must be fully functional across the entire environment range A1, A2, A3, B1, B2, B3, C1, and C2, as described in MIL-STD-810G;

The PDW must be capable of being stored across the entire environmental range A1, A2, A3, B1, B2, B3, C1, C2, C3, as described in MIL-STD-810G;

2.2 Current Production Model

The PDW must be the current production model. Used, reconditioned, left-over, or discontinued models will not be accepted.

2.3 Capability

2.3.1 Commercial Off-the-Shelf (COTS) or Military off-the-shelf (MOTS).

The PDW must be a COTS or MOTS available model.

2.3.2 Technology Readiness Level

The PDW must at a minimum meet the criteria for TRL 8 – "Actual technology completed and qualified through tests and demonstrations" - as defined by the PWGSC "Build in Canada Innovation Program" (https://buyandsell.gc.ca/initiatives-and-programs/build-in-canada-innovation-program-bcip/program-specifics/technology-readiness-levels).

2.3.3 Manufacturing Readiness Level

The PDW must at a minimum meet the criteria for MRL 8 - Pilot line capability demonstrated; Ready to begin Low Rate Initial Production - as defined by the OSD Manufacturing Technology Program – Manufacturing Readiness Level Deskbook.

2.3.4 Parts Interchangeability

The PDW must have a standardized baseline and support the complete interchangeability and interoperability of parts within the model.

2.3.5 Weapon Conventions

The PDW must be tested and determined safe for use either:

- a) By CIP (<u>www.cip-bobp.org</u>); or
- b) In accordance with SAAMI / ANSI Standards (Z299.1, Z299.3, and Z299.4 as appropriate) (www.saami.org)

2.3.6 Serialization

The PDW must be serialized for inventory and material management. Each PDW provided must have a unique serial number.

2.3.7 Labelling

The PDW and all serialized items must be labelled in accordance with D-02-002-001/SG-001.

Labels must include:

- a) Serial Number;
- b) OEM;
- c) Manufacturer's Part Number; and
- d) NSN (if available).

2.4 Design

2.4.1 Dimensions

In the concealed configuration the PDW must have:

- a) A maximum overall length of 43 cm (16.93 in);
- b) A minimum barrel length of 11 cm (4.33 in);
- c) A maximum overall height of 30 cm (11.81 in); and
- d) A maximum overall width of 11 cm (4.33 in).

Note: For the purposes of paragraph 2.4.1 - dimensions in this specification. The removable suppressor(s) will not count towards the weapons overall size;

2.4.2 Mass

The mass of the PDW in the standard configuration (unloaded) must not exceed 2,800 g (6.17 lbs).

2.4.3 Concealability

The PDW must be provided with a removable stock. Removal of the stock requiring replacement with a provided base plate is permitted. The replacement base plate must be provided with the PDW.

The removable stock must be a collapsing or foldable stock for increased concealability when attached.

The PDW must:

- a) Be able to safely fire:
 - I. From the concealed configuration;
 - II. From the expanded configuration; and
 - III. With the stock removed.
- b) From the alert position take no longer than four (4) seconds to expand to full size; and
- c) Have an expanded length of at least 52 cm (20.5 in).

2.4.4 Caliber

The PDW must fire either:

- a) 9mm Parabellum (9 x 19mm) Canadian standard ammunition (NSN 1305-20-003-3884) meeting STANAG 4090; or
- b) 5.56mm (5.56 x 45mm) Canadian standard ammunition (NSN 1305-20-001-0358) meeting STANAG 4172.

2.4.5 Closed Bolt

The PDW must fire from a closed bolt.

2.4.6 Magazine Change

The PDW must enable a shooter in any of the four primary unsupported firing positions (standing, kneeling, sitting, and prone) to remove and replace an empty or malfunctioning magazine with a fully loaded magazine, then fire within 10 seconds.

2.5 Performance

2.5.1 Fire Rate

The PDW must have a cyclic rate of fire of at least 600 rounds per minute.

2.5.2 Fire modes

The PDW must have at a minimum the following fire modes:

- a) Safe mode / No-Fire A mode/position that prevents the PDW from being fired, including pulling the trigger;
- b) Semi-Automatic / Single fire mode A mode/position that permits a PDW user to fire one (1) round, eject the casing and load a new round of ammunition automatically with one (1) pull of the trigger; and
- c) Automatic Fire mode A mode/position that permits a user to continuously fire and reload a new round of ammunition with one (1) trigger pull, until the trigger is released.

2.5.3 Durability

The PDW must be capable of firing at least 10,000 rounds of ammunition, using all fire modes randomly, without requiring a barrel change.

2.5.4 Reliability

Using the ammunition specified, the PDW must have:

- a) A mean rounds between minor malfunctions of at least 350 rounds;
- b) A mean rounds between stoppages of at least 700 rounds; and
- c) A mean rounds between failures of at least 5,000 rounds.

2.5.5 Lubrication

The PDW must at a minimum be fully compatible with Cleaner, Lubricant, and Preservative meeting MIL-PRF-63460E.

2.5.6 Contamination Compatibility

The PDW must be tested and maintain fully functionality when contaminated by DEET, in accordance with MIL-STD 810G, Method 504.1: Contamination by fluids.

2.5.7 Drop Safety

The PDW must be tested and shown safe in accordance with either:

- a) MIL-STD 810G, Method 516.6, Procedure IV Transit Drop. The PDW must not fire when:
 - I. Dropped onto a concrete surface;
 - II. From an height of 1.5 m (4.9 ft);
 - III. Along all 6 orientations (each primary measurement axis, both forward and reverse);
 - IV. With the magazine fully loaded; and
 - V. A primed cartridge chambered.

OR

- b) AC/225 (LG/3-SG/1)D/14, Evaluation Procedures for Future NATO Small Arms, Para 2.15.3.3 Dropping of Weapon from a Vehicle:
 - I. Drop one weapon onto a concrete surface from 1.5m, replacing any broken parts after each stage of the test. At the TA's discretion, certain positions may be omitted; but this fact must be clearly recorded.
 - II. Positions of the Weapon:
 - 1. Vertical, butt down;
 - 2. Vertical, muzzle down;
 - 3. Horizontal, on right side;
 - 4. Horizontal, on left side;
 - 5. Horizontal, top up; and
 - 6. Horizontal, bottom up.
 - III. State of Weapon: Cocked, full magazine charged with ammunition with live primer / cap, but with propellant removed, in position, safety catch released and change lever in each position. The weight of the magazine should equal that of one filled with live ammunition. The first cartridge in the magazine must be a blank cartridge. Before and after each fall carry out inspection of the weapon and optical verification of parallelism between the axis of the bore and the line of sight. Accuracy firings should be carried out before and after the test. The time and ease of replacement of damaged parts / components should be checked (replacing magazine etc.). A report on handling and functioning safety should be produced.

2.6 Controls

The PDW must have ambidextrous controls as follows:

- a) Fire mode selector;
- b) Cocking (charging) handle; and
- c) Magazine release.

2.6.1 Fire Mode Selector

The PDW must have a fire mode selector that:

- a) Can be used to select the fire mode by the hand holding the gun grip, while the index finger is under the trigger guard;
- b) Can have the selection verified by both touch and sight, independently; and
- c) Remains in the selection the shooter set until it is manually changed.

2.6.2 Safety Switch

If the safe mode is activated by a switch other than the fire mode selector, the safety switch must:

- a) Be ambidextrous; and
- b) Meet the requirements defined in section 2.6.1 Fire Mode Selector.

2.7 Accessories

The Accessories provided for the PDW must be authorized by the Original Equipment Manufacturer to be used with the PDW. Each PDW must include the following accessories:

a) A Picatinny Rail System to attach various weapon sights and aiming devices. At a minimum, the rail system must be located on the top of the upper receiver above the barrel;

- b) Three (3) Large Capacity magazines of no less than twenty (29) rounds;
- c) Two (2) Standard Capacity magazines of no less that nine (9) with a maximum of twenty one (21) rounds;
- d) One (1) removable full suppressor (device that reduces the sound intensity and muzzle flash when a firearm is discharged);
- e) One (1) removable flash suppressor (device attached to the muzzle of a rifle that reduces its visible signature while firing by cooling or dispersing the burning gases that exit the muzzle);
- f) One (1) adjustable iron sight with luminous painted or tritium points;
- g) One (1) operator tool/cleaning kit;
- h) One (1) detachable single point sling or harness, which can be used left handed and right handed; and
- i) One (1) paper copy of the operator's manual in English.

2.7.1 Discrete Civilian Pattern Carrying Bag or Case

Each PDW must be provided with one (1) discrete civilian pattern carrying bag or case that:

- a) Is designed to be carried by an individual;
- b) Has a maximum length, width, and height of 60 cm (24 in);
- c) Has a maximum volume of 0.06 m3 (2 ft3);
- d) Has a system that securely holds the PDW, in the standard configuration, and at least two (2) additional large capacity spare magazines (section 2.7 b), and prevents the PDW and magazines from moving around freely.
- e) When carrying the weapon as per 2.7.1(d) weighs no more than 7,000 g (15.43 lbs);
- f) Resembles a civilian pattern COTS bag or case, for example: attaché case, brief case, small sports bag, medium sports bag, small backpack, shoulder bag, or laptop bag;
- g) Enables the shooter to safely carry the weapon in the case with the action primed, and safety on / fire mode selector in the "safe" position;
- h) Enables a shooter to: Open the case; Remove the weapon; Disable the safety; Aim the weapon; Fire the weapon, and hit the target in less 8 seconds (inclusive);
- i) Uses no more than three (3) colours;
- j) Uses only medium or dark blue, white, grey, black, brown, tan, beige, or medium or dark green in colour;
- k) Does not use any bright or neon colours, or army green; and
- I) Does not have a military pattern or colour scheme on the exterior.

2.7.2 Shipping and storage container

Each PDW must be provided with a lockable shipping and storage container that:

- a) Is designed to be carried by an individual;
- b) Has a maximum length width and height of 100 cm (39.4 in);
- c) Has a maximum volume of 0.5 m3 (17.7 ft3);
- d) When fully loaded with the PDW and all accessories has mass no larger than 23,000 g (50.7 lbs)
- e) Is ruggedized, air transportable, and has been tested and meets the requirements outlined in MIL-STD-810G;
- f) Has two independent locking points that are compatible with the Abloy S283 key-operated padlock (NSN 5340-21-898-4390);
- g) Is stackable;
- h) Has allocated and individually fitted storage space for the PDW and all provided accessories to prevent contained items from moving around and being damaged;
- i) Does not have a tear away resizable interior; and
- j) Has a rugged polymer exterior.

3.0 ADDITIONAL EQUIPMENT

3.1 Technical Tool Kit

The technician tool kit must contain all custom, and non-standard tools required for the repair and maintenance of the PDW.

Additionally the technician tool kit must include:

- a) Firing pin protrusion gauge;
- b) Headspace go/no-go gauge; and
- c) Barrel bore straightness gauge;

The technician tool kit must enable a technician with standard tool kit, capable of performing the repair and maintenance of the PDW.

ANNEX "C" - BID EVALUATION FOR THE PERSONAL DEFENCE WEAPON

1.0 GENERAL

1.1 Purpose

This document outlines the evaluation process for the bid screening portion of the Personal Defence Weapon (PDW).

1.2 Instructions

Bid proposals will be assessed in accordance with the following instructions and criteria as detailed within this document. The following instructions will apply to the Bidder's evaluation:

a) Mandatory requirements are identified by the word "must". All mandatory requirements must be met in order to meet compliance with the requirements.

1.3 Acronyms

"CIP"	"CIP" Permanent International Commission for Firearms Testing					
"COTS" Commercial off-the-Shelf						
"MOTS" Military off-the-Shelf						
"NATO" North Atlantic Treaty Organization						
"OEM" Original Equipment Manufacturer						
"PDW"	Personal Defence Weapon					
"SAAMI" Sporting Arms and Ammunition Manufacturers' Institute						

2.0 EVALUATION APPROACH

The bid screening will evaluate the manufacturer's experience in developing and manufacturing small arms, the readiness and proof of reliability of the weapon system offered, and the documentation provided by the Bidder. Distributers are permitted to submit bids, but only the original equipment manufacturer's experience will be considered. Proposals which fail to demonstrate compliance will be deemed "non-compliant" and will be given no further consideration.

Proposals must include all the information and documents identified in the Proof of Compliance column of Table 1 – Mandatory Requirements with their bid proposal submission. Failure to provide all the information and documentation requested in the compliance matrix will deem the bid non-compliant.

Table 1 – Mandatory Requirements

ltem #	Requirement		Bid Reference	
1	Expertise, Tested Design,		proposal must include:	
	and Proof of Reliability	e	 An attestation the OEM has at least 10 years' experience in manufacturing personal small arms using the same caliber; 	
	The Original Equipment Manufacturer (OEM) must be an established personal	t	 An attestation the OEM has at least 10 years' experience in manufacturing personal small arms with a similar fire rate (+25% to -15%) to the offered weapon); 	
	weapons manufacturer that has 10 years of relevant experience.	c	c) A list of small arms, manufactured by the OEM, with same caliber of the offered weapon, that have been procured by at least one (1) NATO Allied Nations in the 10 years prior to the RFP posting date;	
		С	d) A list of small arms, manufactured by the OEM, with a similar fire-rate (+25% to -15%) to the offered weapon, that have been procured by at least one (1) NATO Allied Nations in the 10 years prior to the RFP posting date.	
2	The weapon must be tested and safe for use (Annex B – Technical and	i a	A copy of certification: including stating the testing body, and convention (such as SAAMI or CIP) the weapon and chamber has been tested in accordance with or certified by;	
	Performance Specifications).	ר ר	A copy of the testing summary demonstrating the PDW has passed drop testing in accordance with Annex B – Fechnical and Performance Specifications-Section 2.5.7 – Drop Safety;	
		i h a	A copy of certification demonstrating the offered weapon has passed contamination compatibly testing in accordance with Annex B – Technical and Performance Specifications-Section 2.5.6 – Contamination Compatibility, and;	
		a	A list of contracts showing the sale of weapons listed in above procured by at least two (2) NATO Allied Nations in he 10 years prior to the RFP posting date.	
		<u>DR</u>		
		C	 Documentation demonstrating: 1. The Technology Readiness Level (TRL) for the offered weapon; and 2. The Manufacturing Readiness Level (MRL) for the offered weapon. 	

ltem #	Requirement	Proof of Compliance	Bid Reference
		 e) An attestation that the weapon has a mean rounds between stoppages of at least 700 rounds; f) An attestation that the weapon has a mean rounds between failure of at least 5,000 rounds; g) An attestation that the offered weapon is the current production model. 	
3	Annex B – Performance and Technical Specifications	 The proposal must include written confirmation from the bidder that the PDW is capable of meeting every technical and performance specifications detailed in Annex B – Technical and Performance Specifications as follows: 2.0 Requirements: 2.1 Environmental: Certification or Copy of test reports 2.2 Current Production Model: Attestation 2.3 Capability 2.3.1 Commercial Off-the-Shelf (COTS) or Military Off-the-Shelf (MOTS) : Attestation 2.3.5 Weapon Conventions: Copy of registrations or test reports 2.4 Design 2.4.3 Concealability: Manufacturer's drawing 2.4.4 Calibre: Provide test reports detailing which calibre 2.4.5 Closed Bolt: Attestation 2.5 Performance 2.5.3 Durability: Attestation 2.5.4 Reliability: Attestation 2.5.6 Contamination Compatibility: Attestation 2.5.7 Drop Safety: Test reports 	
4	Brochures and Data	The proposal must include a brochure and/or other documentation that provides at a minimum the following details: a) OEM and Make; b) Model; c) NSN (if available); d) Calibre; e) Dimensions; f) Mass; g) Operating Temperatures; h) Fire Modes; i) Fire Rate; j) Magazine Capacities; k) Safety Mechanisms; l) An Image of the offered solution (assembled);	

ltem #	Requirement	Proof of Compliance	Bid Reference
		 m) Tool kit; n) One exploded view diagram, with parts labelled of proposed weapon. 	

ANNEX "D" – BASIS OF PAYMENT

The Bidder must complete this pricing schedule and include it in its financial bid once completed. Bidders must include a price for all items. If the price of an item is included in other item, the Bidder must indicate this by inserting the words "Price included in item xxx." If there is no cost for an item, the Bidder must insert "\$0.00". The information in this Annex will form part of the resulting contract. It is anticipated that in the resulting contract, this Annex will become Annex "C".

Bidders are to review paragraph 3.1 Bid Preparation Instructions Section II Financial bid for instructions on the completion of the Pricing Schedule.

Bidders must fill in the prices for the following items. Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) not included.

ltem	Description	Qty	Estimated Unit Price	Extended Price DDP
001	 Personal Defence Weapon in accordance with Annex A and B. Each Weapon includes the following: Quantity one (1) Picatinny Rail System to attach various weapon sights and aiming devices Quantity three (3) Large Capacity magazines; Quantity two (2) Standard Capacity magazines; Quantity one (1) removable full suppressor; Quantity one (1) removable flash suppressor; Quantity one (1) adjustable iron sight with luminous painted or tritium points; Quantity one (1) operator tool/cleaning kit; Quantity one (1) detachable single point sling or harness, which can be used left handed and right handed; Quantity one (1) paper copy of the operator's manual per Section 2.5.2 of Annex A; Quantity one (1) discrete civilian pattern carrying bag or case, per Section 2.7.1 of Annex B; and Quantity one (1) shipping and storage container, per Section 2.7.2 of Annex B. 	48	\$	\$
002	Technical Tool Kit, per Section 3.1 of Annex B.	2	\$	\$
003	Large Capacity magazines.	30	\$	\$
004	Operator Training Course per Section 2.4.1 of Annex A.	1	\$	\$

1A. FIRM REQUIREMENT

		Total A	\$
005 Maintenance Training Course per Section 2.4.3 of Annex A.	1	\$	\$

1B. OPTIONAL PROCUREMENT. To be exercised within twenty-four (24) months of contract award.

ltem	Description	Qty (Up to)	Estimated Unit Price	Extended Price DDP
001	 Personal Defence Weapon in accordance with Annex A and B. Each Weapon includes the following: Quantity one (1) Picatinny Rail System to attach various weapon sights and aiming devices Quantity three (3) Large Capacity magazines; Quantity two (2) Standard Capacity magazines; Quantity one (1) removable full suppressor; Quantity one (1) removable flash suppressor; Quantity one (1) adjustable iron sight with luminous painted or tritium points; Quantity one (1) operator tool/cleaning kit; Quantity one (1) detachable single point sling or harness, which can be used left handed and right handed; Quantity one (1) paper copy of the operator's manual per Section 2.5.2 of Annex A; Quantity one (1) discrete civilian pattern carrying bag or case, per Section 2.7.1 of Annex B; and Quantity one (1) shipping and storage container, per Section 2.7.2 of Annex B. 	50	\$	\$
002	Technical Tool Kit, per Section 3.1 of Annex B.	2	\$	\$
003	Large Capacity magazines.	30	\$	\$
			Total B	\$

2. Total Evaluated Price = Total 1A + Total 1B = \$_____

ANNEX E to PART 3 OF THE - BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

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

ANNEX "F" – SECURITY REQUIREMENTS CHECK LIST

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Government Gouvernement													
	of Canada	du Canada			V	/6399-19-KG77							
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Outpuy b	ersonal dele	nce weapon,	including training	and docum	cincation.								
		ess to Controlled G						No	1	Yes			
		s à des marchandis						Non	V	Oui			
		ess to unclassified	military technical data subj	ect to the provisio	ons of the Tecl	hnical Data Control	1	No Non		Yes Oui			
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sur le co	ntrôle des données	techniques?											
	,,	quired / Indiquer le t											
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			au qui se trouve à la question	on 7. c)									
6. b) Will the s	supplier and its emp	oloyees (e.g. cleane	rs, maintenance personnel	I) require access t	to restricted a	ccess areas? No access to		No	1	Yes			
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6. c) Is this a d	commercial courier	or delivery requirem	nent with no overnight stora	age?	_		./	No		Yes			
S'agit-il d	l'un contrat de mes	sagerie ou de livrais	son commerciale sans entr	reposage de nuit?	?		¥	Non		Oui			
7. a) Indicate I	the type of informat	ion that the supplier	r will be required to access	/ Indiquer le type	d'information	auquel le fournisseur devra	avoir a	accès					
	Canada		NATO / OTA	AN		Foreign / Étranger	1						
7. b) Release	restrictions / Restri	ctions relatives à la	diffusion										
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TBS/SCT 350-103(2004/12)

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 11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises? Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIE? INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI) 11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED von Non 	Yes Oui
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11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED V No Non	Yes Oui
information or data?	
Le fournisseur sera-t-il fenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des rensentements des des des des des des des des des de	
renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? 11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency? Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence quivernementale?	Yes Oui

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Information / Assets Renseignement / Biens Production IT Media / Support Ti IT Link / Lien électronique 12. a) Is the description If Yes, classifi Dans l'affirma « Classificati 12. b) Will the docu La documenta If Yes, classifi attachments Dans l'affirma « Classificati	otion du ti ative on d men tion y thi (e.g.	s fo , cla e sé tatio asso s fo SE(il vis rm b ssifi curit n att ociée rm b CRE	é par la prése y annotating ier le présent té » au haut e ached to this 3 à la présente y annotating F with Attach ier le présent	nte LVER the top a formulai et au bas SRCL be LVERS s the top a ments). formulai	S est-elle and botto re en ind du formu PROTEC sera-t-elle and botto re en ind	e de nature P inguant le niv ilguant le niv ilaire. TED and/or PROTÉGÉE om in the are iguant le niv	PROTÉGÉE et ea entitled "So veau de sécu CLASSIFIED? E et/ou CLASS ea entitled "So veau de sécu	/ou CLAS ecurity C rité dans SIFIÉE? ecurity C rité dans	lassificati la case ir lassificati la case ir	ion" -	ée and ii ée			✓ No Non	Yes Oui

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Government Gouvernement du Canada



PART D - AUTHORIZATION / PART	TIE D - AUTORISATIO	N							
13. Organization Project Authority / C	Chargé de projet de l'org	ganisme							
Name (print) - Nom (en lettres moulé	es)	Title - Titre		Signature					
Michael Afful		DCSEM	10-7 LCMM Engineer		mappel				
Telephone No N° de téléphone 613-945-2737	Facsimile No N° de 613-990-5005	télécopieur	E-mail address - Adresse cour michael.afful@forces.gc.c		Date 2018-09-12				
14. Organization Security Authority /	Responsable de la séc	urité de l'organ	nisme						
Name (print) - Nom (en lettres moulé	Name (print) - Nom (en lettres moulées) Sasa Medjovic - DDSO - Industrial Security								
	Senior Sec		iyst	N					
Telephone No Nº de téléphone	Facsifile No. 3N986 E-mail: sas		E-mail address - Adresse cour ic@forces.gc.ca	riel	Date 2018 Sept 17				
15. Are there additional instructions (Des instructions supplémentaires	e.g. Security Guide, Se (p. ex. Guide de sécur	curity Classific ité, Guide de c	cation Guide) attached? classification de la sécurité) sont	-elles jointes	s? No Yes Non Oui				
16. Procurement Officer / Agent d'ap	provisionnement								
Name (print) - Nom (en lettres moulé	es)	Title - Titre		Signature					
Telephone No № de téléphone	Facsimile No Nº de	télécopieur	E-mail address - Adresse cou	ırriel	Date				
17. Contracting Security Authority / Autorité contractante en matière de sécurité									
Name (print) - Nom (en lettres moulé	es)	Title - Titre		Signature					
Telephone No Nº de téléphone	Facsimile No Nº de	télécopieur	E-mail address - Adresse cou	rriel	Date				

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