

**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

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

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

Issuing Office - Bureau de distribution  
Weapons Systems Division/Division des systèmes  
d'arme  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

<b>Title - Sujet</b> (7.62 mm) Weapon Systems	
<b>Solicitation No. - N° de l'invitation</b> W8486-148569/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W8486-148569	<b>Date</b> 2014-08-14
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BM-015-24584	
<b>File No. - N° de dossier</b> 015bm.W8486-148569	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2014-09-05</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Cadotte (bm div), John	<b>Buyer Id - Id de l'acheteur</b> 015bm
<b>Telephone No. - N° de téléphone</b> (819) 956-0218 ( )	<b>FAX No. - N° de FAX</b> (819) 956-5650
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

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

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***The amendment is issued to modify Annexes A to F of the Request for Proposal. All changes to the annexes have been highlighted in yellow.***

ADDRESS ENQUIRIES TO:

John Cadotte  
Supply Team Leader  
Munitions and Weapons Systems Division - BK/BM  
Division des munitions et systèmes d'armes - BM-BK  
Tel: (819) 956- 0218  
EMAIL Address - john.cadotte@pwgsc.gc.ca  
Fax: (819) 956-5650

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**ANNEX A**  
**TECHNICAL AND PERFORMANCE SPECIFICATIONS**  
**FOR THE PRECISION (7.62 MM) WEAPON (29<sup>TH</sup> JULY, 2014)**

**1. SCOPE**

**1.1 Purpose**

This specification defines the technical and performance requirements for the Precision (7.62 mm) Weapon (PW).

**1.2 Applicable Documents**

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

- MIL-STD-810G - Test Method Standard for Environmental Engineering Considerations and Laboratory Tests ([www.everyspec.com](http://www.everyspec.com))
- STANAG 4694 - NATO Accessory Rail ([www.dtic.mil/ndia/2009infantrysmallarms/wednesdayssessionvArvidsson.pdf](http://www.dtic.mil/ndia/2009infantrysmallarms/wednesdayssessionvArvidsson.pdf))

**1.3 Acronyms**

AR	Armalite
dB	Decibel
MOA	Minute of Angle
MOLLE	Modular Lightweight Load-Carrying Equipment
NATO	North Atlantic Treaty Organization
PW	Precision (7.62 mm) Weapon

**1.4 Definitions**

Ambidextrous	Capability to operate the switch or control with either hand without reconfiguration of the weapon.
AR Platform	The AR rifle platform is based upon a design originally developed by Armalite Inc., and is a modular design with a two-piece receiver that permits swap out of upper assemblies of different chambering or configuration.
Positive Apply Safety	A mechanism that controls the operation of the trigger requiring a positive manipulation or action by the shooter to engage and disengage the disabling feature of the safety.
Two-Stage Trigger	The trigger mechanism releases the hammer (firing the weapon) after two distinct amounts of spring and mechanical resistance is overcome by the trigger finger. The initial stage is light and relatively long, and the second stage has noticeable greater resistance but over a shorter distance.

## 2. REQUIREMENTS

### 2.1 Corporate Requirement

The Bidder shall be an established weapon manufacturer that has been in the business of developing, manufacturing and/or selling precision weapons for a minimum of five (5) years. **If the Bidder is an authorized distributor, then the weapon manufacturer that they are representing must have required experience.**

#### 2.1.1 Brochures

The Bidder shall provide a brochure(s) and/or operator/maintenance manuals that provide the details of the following (minimum):

- (a) Make;
- (b) Model;
- (c) Caliber;
- (d) Barrel (length, construction, material, rifling, twist);
- (e) Trigger design;
- (f) Safety mechanisms;
- (g) **Upper Receiver Assembly (make, model, construction);**
- (h) **Lower Receiver Assembly (make model construction);**
- (i) Gas regulator (design and operation);
- (j) Suppressor; and
- (k) Rails.

### 2.2 Precision (7.62 mm) Weapon

The requirements for the PW are given in the following sections.

#### 2.2.1 Design/Environmental

The PW shall:

- (a) Be designed to have a life expectancy of at least seven (7) years; and
- (b) Operate in MIL-STD-810G Climatic Conditions A1, A2, A3, B1, B2, B3, C1 and C2 including exposure to environmental conditions ranging from abrasive sand of the desert to the brittle arctic cold and corrosive salt of the ocean.

#### 2.2.2 Performance

The PW shall:

- (a) Be a semi-automatic, gas operated precision rifle that is designed for prolonged use by the operator in a combat environment under a broad spectrum of conditions ranging from close combat to patrolling;
- (b) Permit operator task-tailored reconfiguration through attachment and detachment of peripherals including a bipod, laser, sling, optics and suppressor;

- (c) Have an accuracy of no more than 1.0 MOA (7.6 cm (3 in)) at a range of 274 m (300 yds) in the suppressed mode; and
- (d) Permit repeated removal/replacement of the suppressor without affecting the mean point of impact (MPI) by more than 1.0 MOA (7.6 cm (3.0 in)) at a range of 274 m (300 yds) between the first grouping and each subsequent grouping (removing/replacing the suppressor between each grouping);

### 2.2.3 General Design

The PW shall:

- (a) Have a maximum weight with empty magazine and flash hider/muzzle brake (without optic or bipod) of 4.3 kg (9.5 pounds);
- (b) Have a maximum overall length with the butt fully extended and the suppressor attached of no more than 122 cm (48 inches);
- (c) Have a barrel as follows:
  - i. Threaded to facilitate mounting of a flash hider/muzzle brake; and
  - ii. A length between 38.1 - 43.2 cm (15 - 17 in);
- (d) Have an enclosed upper receiver such that all moving components remain within the receiver when fired;
- (e) Have a low profile gas block that does not protrude above, or is incorporated into, the top rail;
- (f) Have a lower receiver based upon an AR platform; and
- (g) Be capable of firing standard NATO 7.62 x 51 mm ammunition in both the suppressed and un-suppressed modes as follows:
  - i. M118LR class ammunition; and
  - ii. Mk 316 class ammunition.

### 2.2.4 Features

The PW shall:

- (a) Have an external positive apply safety mechanism (mode selector) with the following characteristics:
  - i. Manually operated by the firer;
  - ii. Capable of being checked by both sight and touch;
  - iii. Movable between the safe and fire positions by the operator without moving his hands from the shooting position (prone, standing, kneeling, or sitting);
  - iv. Prevents the weapon from being fired when:
    - a. The trigger is depressed with the safety in the "SAFE" position; and
    - b. The selector is changed to "fire" without depressing the trigger;
  - v. Remains in the position the operator sets it until it is manually changed; and

- 
- vi. Incorporates a mechanical safety that prevents the cartridge from being fired until the bolt is fully closed and locked;
  - (b) Have an ambidextrous cocking (charging) handle.
  - (c) Have a Trigger mechanism as follows:
    - i. Be a two stage trigger;
    - ii. Return to its normal forward position upon release after partial or complete trigger pull; and
    - iii. Have a second stage pull force between 2 kg (4.4 pounds) and 2.7 kg (6 pounds);
  - (d) Have NATO Accessory Rail mounts in accordance with STANAG 4694 as follows:
    - i. Top Rail - A rail mounted on the top of the upper receiver (centered on the 12 o'clock position) such that:
      - a. There is no movement between the rail system and the receiver;
      - b. It provides at least 52 cm (20.5 in) of top space, starting from the cocking handle cut out to the front end of the rail; and
      - c. It is not clamped or otherwise attached to the barrel such that the barrel can move independently of the rail;
    - ii. Side Rails - Rails mounted on each side of the upper receiver (left and right sides centered on the 3 and 9 o'clock positions) with no less than 7.6 cm (3 in) of usable rail space each; and
    - iii. Bottom Rail - A rail mounted on the bottom of the upper receiver (centered on the 6 o'clock position) as follows:
      - a. Have no less than 7.6 cm (3 in) of usable rail space; and
      - b. Capable of being mounted anywhere on the bottom of the upper receiver;
  - (e) Have a suppressor that can reduce the un-suppressed firing noise by at least 16 dB with both ammunition types (Mk 316 and M118LR) as follows:
    - i. Be no longer than 24 cm (9.5 in);
    - ii. Weigh no more than 0.57 kg (1.25 pound);
    - iii. Fit over the flash hider/muzzle brake; and
    - iv. Include a positive locking mechanism that prevents the suppressor from coming loose when firing;
  - (f) Have a multistage collapsible or folding butt;
  - (g) Have front post and rear aperture sights that are:
    - i. Removable and/or foldable; and
    - ii. Adjustable for range and azimuth;
  - (h) **Have an ambidextrous sling mount forward of the butt on the rear portion of the lower receiver;**
  - (i) Have a non-reflective coyote brown corrosion-resistant finish in accordance with the manufacturer's standard specifications;

- (j) Incorporate self-lubricating coatings and materials that do not require grease or lubricants for the operating components; and
- (k) Be properly identified with a unique Serial Number.

### 2.3 Carrying Case

Each PW shall have a hard-sided carrying and storage case as follows:

- (a) Sized to hold the weapon and all accessories;
- (b) Include a weather seal on the mating sides of the case;
- (c) Equipped with two (2) or more latching devices to provide a water-tight seal when latched;
- (d) Include two (2) separated securing eyelets of 10 mm (0.4 in) diameter that accept 8 mm (0.3 in) diameter shackle padlocks; and
- (e) Include a one-piece foam insert that fills the void of the case that is not comprised of small tear-away cubes. The insert is not to be pre-cut in order to permit the user to custom cut the insert to suit their individual needs.

### 2.4 Course of Fire Qualification

Each of the Bidder's weapons must pass four (4) Course of Fire Qualifications with **one of the eight (8)** different shooters, and achieve a minimum score of 38/50 for each Course of Fire Qualification in accordance with Annex D.

### 2.5 Proof of Concept Field Trial/ Human Factors Assessment

**The compliant weapons will then complete a trial consisting of a series of run/shoot relays requiring the participants to fire the weapons from various positions.** Each of the Bidder's weapons will be **tried by one of the eight (8)** participants conducting the trials. A minimum score of 56/65 based upon the average of all participants for that weapon must be achieved in accordance with Annex D.

### 2.6 Endurance Trial

**The compliant weapons then** must pass the Endurance Trial detailed in Annex D.

**ANNEX B**  
**BID EVALUATION PROCESS**  
**FOR THE PRECISION (7.62 MM) WEAPON (JULY 29<sup>TH</sup>, 2014)**

**1.0 BID EVALUATION**

The evaluation will be based upon the Bidder's experience in developing, manufacturing and/or selling precision weapons and their written attestation that they can provide a precision weapon that can meet all of the performance and technical specification in Annex A. Failure to provide all of the information requested in the compliance matrix will deem the bid non-compliant. All compliant bids will be included in the next phase of the process (DND Verifications and Trials). There is no consideration for the price at this point in the evaluation process.

Item #	Requirement	Proof of Compliance	Bid Reference
1	<p><u>Expertise and Proven Design</u> The Bidder shall be an established weapon manufacturer that has been in the business of developing, manufacturing and/or selling precision weapons for a minimum of five (5) years. <b>If the Bidder is an authorized distributor, then the weapon manufacturer that they are representing must have required experience.</b></p>	<p>The Bidder shall provide: (1) Written Attestation that they shall have been in the business of developing, manufacturing and/or selling precision weapons for a minimum of five (5) years. <b>Where the Bidder is an authorized distributor, the Written Attestation must reflect the experience of the weapon manufacturer;</b> AND (2) Contract numbers, award dates, models and quantities delivered; AND (3) Customer contact information (for purposes of verifying contract information and usage only).</p>	
2	Annex A - Performance and Technical Specifications.	The Bidder shall provide Written Attestation that the Precision Weapon being offered is capable of meeting every aspect of the Performance and Technical Specifications detailed in Annex A.	
3	Brochures	<p>The Bidder shall provide a brochure(s) and/or operator/maintenance manuals that provide the details of the following (minimum):</p> <ul style="list-style-type: none"> <li>- Make</li> <li>- Model</li> <li>- Caliber</li> <li>- Barrel (length, construction, material, rifling, twist)</li> <li>- Trigger design</li> <li>- Safety mechanisms</li> <li>- <b>Upper Receiver Assembly</b> (make, model,</li> </ul>	

Item #	Requirement	Proof of Compliance	Bid Reference
		construction) - Lower Receiver Assembly (make model construction) - Gas regulator (design and operation) - Suppressor - Rails	

## 2.0 DEMONSTRATION OF THRESHOLD ACCURACY

### 2.1 Demonstration Scheduling

Compliant Bidders will be asked to demonstrate, to DND/PWGSC, that their weapon meets the mandatory threshold accuracy (maximum 1.0 MOA (7.6 cm (3 in)) at a range of 274 m (300 yds) at a facility of their choice within Canada or the contiguous United States on one of the alternate dates they provide with their bid. In case of inclement weather precluding shooting on the assigned date (continuous winds in excess of 18 kph (11.25 mph)), a retest will be scheduled by DND at a time that is mutually agreed upon with the Bidder. Should the Bidder decide to carry on with the accuracy demonstration at higher winds, the results of the trial will stand regardless of the guidance provided above.

All demonstrations are to be conducted within the window of thirty (30) to fifty (50) days following bid closure and only as requested by DND upon confirmation of bid compliance. Retests (if required due to inclement weather) will be scheduled during a window of ten (10) days following the completion of all previously scheduled demonstrations. The Bidder shall propose three (3) alternate dates/times for conduct of the threshold accuracy demonstration as well as the location:

Date/Time 1: \_\_\_\_\_ Location 1: \_\_\_\_\_

Date/Time 2: \_\_\_\_\_ Location 2: \_\_\_\_\_

Date/Time 3: \_\_\_\_\_ Location 3: \_\_\_\_\_

### 2.2 Demonstration Trial

Determination of threshold accuracy will be as follows (Pass/Fail):

- (a) Eight (8) identical weapons, in the configuration proposed by the Bidder, will be used in the trial;
- (b) Each weapon will be permitted to fire up to five (5) rounds to warm the barrel prior to commencing the accuracy shoot;
- (c) All groupings shall be fired with the weapons suppressed;
- (d) The weapons will be fired in the shooter condition, all shooters to be provided by the Bidder;

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- (e) Each of the eight (8) weapons will fire four (4) target groupings of five (5) rounds of DND supplied MK316 ammunition, for a total of twenty (20) rounds per weapon, at a range of 274 m (300 yds). The suppressor will be removed and replaced between each subsequent grouping;
- (f) The Bidder may request to reshoot any grouping if there was an anomaly in the grouping compared to the other groupings by that weapon. Reshooting is at the discretion and agreement of the DND Technical Authority;
- (g) All grouping sizes will be determined by measuring the extreme spread interior to exterior as verified by DND. DND will verify and record all measurements using their own equipment for both range and accuracy on the record sheet at Appendix 1;
- (h) To be successful, all four (4) groupings for each of the eight (8) weapons must be less than 1.0 MOA (7.6 cm (3 in)) and the Mean Point of Impact must not vary between subsequent groupings by more than 1 MOA (7.6 cm (3.0 in)), otherwise the weapon will be deemed non-compliant and given no further consideration; and
- (i) For successful trials, DND will record the serial numbers of the weapons and mark/tag the upper receiver for identification. The same weapons shall be provided to DND for follow-on trials as part of the deliverables of Annex C.

Note: To facilitate travel arrangements between subsequent Bidders locations, DND expects each demonstration to take no longer than **one (1) day (Sunrise to Sunset)** on the range. Should the trials take longer than **one (1) day (Sunrise to Sunset)**, DND reserves the right to deem the demonstration non-compliant.

**APPENDIX 1 DEMONSTRATION OF THRESHOLD ACCURACY - RECORD SHEET**

Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Location: \_\_\_\_\_

Weather Conditions (temperature, wind speed, rain, etc.): \_\_\_\_\_

Weapon Serial #	Grouping				MPOI (Within 1.0 MOA (7.6 cm (3.0 in)) of Grouping 1)			
	1 (cm)	2 (cm)	3 (cm)	4 (cm)	Grouping 1	Grouping 2	Grouping 3	Grouping 4
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			
					N/A			

Compliant (Yes/No): \_\_\_\_\_

DND Evaluator Signature: \_\_\_\_\_ Bidder Signature: \_\_\_\_\_

DND Evaluator Name: \_\_\_\_\_ Bidder Name: \_\_\_\_\_

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**ANNEX C**  
**STATEMENT OF WORK**  
**FOR THE PRECISION (7.62 MM) WEAPON (DND VERIFICATION TRIALS) (JULY 29<sup>TH</sup>, 2014)**

**1.0 SCOPE**

**1.1 Purpose**

The purpose of this statement of work is to describe the requirements for the provision of commercial-off-the-shelf Precision (7.62 mm) Weapons (PWs) to the Department of National Defence (DND).

**1.2 Background**

DND has a requirement for short to medium range (300-800 m (330-880 yd)) high precision weapons to support both domestic and deployed roles where standard Canadian Forces weapons are unsuitable. This equipment will be referred to as the Precision (7.62 mm) Weapon (PW).

**2.0 DELIVERABLES**

The Contractor shall deliver the following within twenty (20) weeks of Contract Award in order to undergo the verifications and trials detailed at Annex D:

- (a) Quantity eight (8) PWs in accordance with the Technical and Performance Requirements at Annex A, identified by serial number and marked receiver following the Demonstration of Threshold Accuracy trial, including the following accessories with each:
  - i. Quantity eight (8) twenty-round magazines;
  - ii. Quantity four (4) double magazine pouches that are MOLLE compatible for attachment to a load-carrying vest;
  - iii. Quantity one (1) operator tool/cleaning kit;
  - iv. Quantity one (1) Operators Manual, in English; and
  - v. A hard-sided carrying and storage case in accordance with Annex A;
- (b) Quantity one (1) maintenance gauge tool kit to include:
  - i. Quantity one (1) firing pin protrusion gauge;
  - ii. Quantity one (1) headspace gauge; and
  - iii. Quantity one (1) barrel bore straightness gauge;
- (c) Quantity one (1) PW maintenance manual (English) in electronic format (PDF).

*Note: For weapons that require an import/export license prior to delivery, the Contractor shall ensure the license covers the **mandatory deliverables above and the optional deliverables in Annex E.***

**3.0 REQUIREMENTS**

**3.1 Quality Assurance**

The Contractor shall:

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

### 3.2 Configuration Control

All Precision Weapons delivered shall:

- (a) Have the same product baseline and support interchangeability/interoperability of parts; and
- (b) Be in accordance with the bid proposal and not contain any components over and above that included in the quoted price.

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**ANNEX D**  
**DEPARTMENT OF NATIONAL DEFENCE (DND)**  
**VERIFICATIONS AND TRIALS**  
**FOR THE PRECISION (7.62 MM) WEAPON (JULY 29<sup>TH</sup>, 2014)**

**1.0 GENERAL**

**1.1 Purpose**

This document outlines the verification and trial process for the Precision (7.62 mm) Weapon.

**1.2 Contractor Participation**

The information provided in this Annex is for information purposes only. The verifications and trials will be conducted by DND without any support required from the Contractors that supply the equipment to be evaluated. The Contractors will not be permitted to witness any portion of the verifications and trials. The results of the trials will be made available to the Contractors upon request for their weapon only.

**1.3 Definitions**

Stoppage	A stoppage is an event during the weapon cycling process that prevents the weapon from being fired. For the purposes of this evaluation, only stoppages as a result of the weapon platform are considered, and ammunition related stoppages <b>are</b> not included.
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**2.0 EVALUATION**

**2.1 Evaluation Trials**

Each of the weapons supplied by the Bidder will be subjected to the DND conducted Evaluation Trials (Appendix 1) as follows:

- (a) Compliance Verification - One (1) weapon chosen randomly from the eight (8) weapons provided by each Bidder will be assessed by DND to verify that the weapon meets the mandatory requirements in accordance with the Compliance Verification Checklist at Appendix 2. If the weapon is found to be non-compliant with any one of the mandatory technical requirements, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration;
- (b) Safety Inspection - Each weapon provided by the Bidders will be inspected and gauged to verify that it is safe to fire using the maintenance gauges provided by the Bidders. For any weapon that is deemed unsafe to fire, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration;
- (c) Course of Fire Qualification - The compliant weapons will be fired by DND shooters in the standard Course of Fire Qualification. The qualification has both a Pass/Fail component and a scored component. Each of the Bidder's weapons must pass four (4) Course of Fire Qualifications with **one of the eight** (8) different shooters, and achieve a minimum score of 38/50 for each Course of Fire Qualification (Appendix 3). If any of the Bidder's weapons fails the

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Course of Fire Qualifications the bid will be deemed non-compliant and given no further consideration; and

- (d) Proof of Concept Field Trial/ Human Factors Assessment - The compliant weapons will then complete a trial consisting of a series of run/shoot relays requiring the participants to fire the weapons from various positions (prone, kneeling, crouching and standing) from behind a barricade (obstructed condition). Each of the Bidder's weapons will be trialed by **one of the** eight (8) participants conducting the trials. Following the trial, each participant will complete a human factor assessment designed to quantify the useability of the weapon in a combat environment (Appendix 4). A minimum score of 56/65 based upon the average of all participants for that weapon must be achieved or the bid will be deemed non-compliant and given no further consideration.

#### 2.1.1 Stoppages

In addition to the above pass/fail criteria, **if any of the** Bidder's weapons has six (6) or more stoppages, the bid will be deemed non-compliant and given no further consideration;

#### 2.2 Endurance Trial

Compliant weapons will then be subjected to an Endurance Trial as follows:

- (e) Each weapon will fire four thousand eight hundred (4800) rounds as follows:
- i. Twelve hundred (1200) MK316 rounds in the suppressed mode;
  - ii. Twelve hundred (1200) MK316 rounds in the un-suppressed mode;
  - iii. Twelve hundred (1200) M118LR rounds in the suppressed mode; and
  - iv. Twelve hundred (1200) M118LR rounds in the un-suppressed mode;
- (f) All ammunition used in the trial will be manufactured by ATK Armaments;
- (g) No more than twenty (20) rounds will be fired per minute;
- (h) The barrel will not be changed during the endurance test;
- (i) The weapons will be cleaned/checked as follows:
- i. Prior to commencing the endurance test: Clean;
  - ii. Every four hundred (400) rounds: Wipe and lubricate;
  - iii. Every twelve hundred (1200) rounds:
    - a. Clean; and
    - b. Course of Fire Qualification by shooter with MK316 ammunition, must achieve a score of 38/50 (or more) otherwise the weapon will be deemed non-compliant and given no further consideration;
  - iv. Upon completion of the endurance test: Clean;
- (j) Oil will be added during the endurance trial as required.

Note: DND reserves the right to reshoot any Course of Fire Qualification if there was an anomaly in the Qualification compared to the other Course of Fire Qualifications by that weapon.

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### 2.2.1 Stoppages

The weapon-related stoppages will be recorded during the endurance trial (stoppages related to ammunition defects or misfires will not be counted) and the outcome will be as follows:

- (a) The eight (8) weapons must complete the endurance test with no more than a total of thirty (30) weapon-related stoppages for any single weapon; and
- (b) At any point a weapon reaches thirty-one (31) weapon-related stoppages, the endurance test will cease and the test will be deemed a failure.

### 2.3 Contract Award

The Bid that is found compliant with all Evaluation Trials and passes the Endurance Trial, and is the lowest cost including all mandatory and optional deliveries, will be recommended for Contract Award (Annex E). In addition, the winning Bidder will also be awarded a Standing Offer (Annex F) for PW parts.

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## APPENDIX 1 EVALUATION TRIALS

### A1.1 Scope

This appendix details the evaluation trials for the Precision (7.62 mm) Weapon (PW).

### A1.2 Evaluation Trials

The Evaluation Trials include the following:

- (a) Compliance Verification;
- (b) Safety Inspection;
- (c) Course of Fire Qualification; and
- (d) Proof of Concept Field Trial/ Human Factors Assessment.

#### A1.2.1 Compliance Verification

The weapons provided by each Bidder will be assessed by the DND technical team, consisting of subject matter experts lead by the DND Technical Authority (TA) at the DND facility. One (1) weapon will be chosen at random from the eight (8) weapons provided by the Bidder to be assessed against the mandatory technical requirements in the Compliance Verification Checklist at **Appendix 2**. The assessment will include measurement, weighing and physical examination of each component of the weapon in order to verify that the weapon meets the mandatory requirements. If the weapon is found to be non-compliant with any one of the mandatory technical requirements, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration.

#### A1.2.2 Safety Inspection

Prior to firing any weapon, a complete safety inspection will be conducted by a qualified DND Weapons Technician. For any weapon that is deemed unsafe to fire, the reasons will be recorded and the bid will be deemed non-compliant and given no further consideration. The safety inspection will include the following:

- (a) Design safety and suitability assessment to include;
  - i. Firing pin protrusion (must meet gauging limits for the weapon – min/max);
  - ii. Firing pin energy (enough to prevent misfire);
  - iii. Headspace (verified with go/no go gauge); and
  - iv. Barrel bore straightness (gauge shall pass freely through the barrel);
- (b) Feed system safety (determination of the possibility of double feeding); and
- (c) Interchangeability of parts that precludes misfire due to a changed part.

#### A1.2.3 Course of Fire Qualification

Weapons that are deemed safe to fire will then undergo Course of Fire Qualifications, conducted by DND at a DND range in Canada, as follows:

- (a) Course of Fire Qualification will be conducted with the weapon in the hands of a DND shooter from the prone supported position;
- (b) All targets will be static, sized specific to the range, and individual rounds will not be indicated during the trial;
- (c) All eight (8) weapons provided by each Bidder will fire four (4) Course of Fire Qualifications of ten (10) rounds of MK316 ammunition, for a total of forty (40) rounds per weapon, at the following ranges:

Serial	Test Range	Rounds	Time Limit	Scoring (Greater than 1.5 MOA for all serials is an automatic failure and the test ceases)	Minimum Score
1	Clean Cold Barrel 100 m (109 yd)	1	2 min	1.5 MOA = 5 points	5 points
2	100 m (109 yd)	3	5 min	1 MOA = 5 points 1.5 MOA = 3 points	33 points
3	200 m (218 yd)	3	10 min	1 MOA = 5 points 1.5 MOA = 3 points	
4	300 m (327 yd)	3	15 min	1 MOA = 5 points 1.5 MOA = 3 points	

- (d) Rules of conduct:
  - i. No rounds will be fired within thirty (30) minutes prior to commencing each Course of Fire Qualification to ensure a Cold Clean Barrel;
  - ii. Wind flags or indicators are not authorized, Range Flags to be knotted;
  - iii. Wind speed not to exceed 18 kph (11.25 mph) sustained;
  - iv. No talking during conduct of each Course of Fire Qualification;
  - v. Participants will not watch each other;
  - vi. The weapons will be cleaned and cooled after each Course of Fire Qualification; and
  - vii. The suppressor will be removed and replaced between each subsequent Course of Fire Qualification;
- (e) DND reserves the right to reshoot any Course of Fire Qualification if there was an anomaly in the Qualification compared to the other Course of Fire Qualifications by that weapon;
- (f) Stoppages attributable to the weapons will be recorded; and
- (g) Course of Fire Qualification scores will be recorded on the Course of Fire Scoring Sheet at Appendix 3. A minimum score of 38/50 must be achieved for each Course of Fire Qualification for all eight (8) weapons or the bid will be deemed non-compliant and given no further consideration.

#### A1.2.4 Proof of Concept Field Trial/Human Factors Assessment

The aim of the Proof of Concept Field Trial is to evaluate the impact of the weapon on the soldier mobility, survivability and lethality. The trials will consider both the soldiers ability to effectively move and fire the weapon under simulated combat conditions. The trial will be conducted at a DND outdoor test firing range. The trial will be rated qualitatively through the use of a systematic user rating (Appendix 4).

##### A1.2.4.1 Participant Assessment

There will be eight (8) DND participants conducting the Proof of Concept Field trial, and each participant will conduct the trial with one of the Bidder's weapons such that each of the eight (8) weapons provided by the Bidder are trialed by a different participant. Each participant will provide an evaluation at the completion of the Proof of Concept Field Trial for each of the weapons trialed. The participant evaluations will be recorded on the Participant Assessment form given in Appendix 4. The score assigned to the Bidder will be the sum of the eight (8) individual assessments from the participants. The participants' evaluations will be captured by individual ratings of various criteria using a non-biased approach to collecting subjective perception. Participant rating will be based upon a 5-point scale (Table 1) for general task compatibility criteria which provides a clear and understandable quantification of the participants' perceptions in a controlled manner that does not rely on unbridled opinion.

Table 1: 5-Point Scale

Rating	Participant Perception
1	Completely Unacceptable
2	Reasonably Unacceptable
3	Borderline
4	Reasonably Acceptable
5	Completely Acceptable

##### A1.2.4.2 Trial Conduct

The participants will complete the Proof of Concept Field Trial as follows:

- (a) Each participant will wear Canadian Forces issue combat dress, boots and helmet, and a load carrying vest to hold the magazine pouches required for the trial;
- (b) Weapons will be trialed in a random order of Bidders and no more than one (1) Bidder will be trialed by a participant on the same day;
- (c) Additional days will be allocated in case of inclement weather that would affect the outcome of the trials;
- (d) Each Target Point will have two (2) target frames that are 122 cm x 122 cm (4 ft x 4 ft);
- (e) Barricades will be placed at each firing point to simulate firing from either shoulder around an obstacle. The course will be completed twice, once shooting from the right side of the barricade, and the second time from the left side of the barricade;
- (f) Each participant will complete the POC Relay Course (Figure 1) as follows:

- i. Begin at the Start Point with the weapon and eight (8) magazines loaded with ten (10) rounds of MK 316 ammunition;
- ii. Sprint to the Fire Point (Prone), adopt the prone position and fire two (2) magazines of ten (10) rounds each into the left target frame at Target Point 1;
- iii. Sprint to the Fire Point (Kneeling), adopt the kneeling position and fire two (2) magazines of ten (10) rounds each into the right target frame at Target Point 1;
- iv. Sprint to the Fire Point (Crouching), adopt the crouching position and fire two (2) magazines of ten (10) rounds each into the left target frame at Target Point 2; and
- v. Sprint to the Fire Point (Standing), from a standing position fire two (2) magazines of ten (10) rounds each into the right target frame at Target Point 2;

(g) Stoppages - During the course of the Evaluation Trial, including both the Course of Fire Qualifications and the Proof of Concept field trials, the weapon-related stoppages that are not attributable to the ammunition will be recorded.

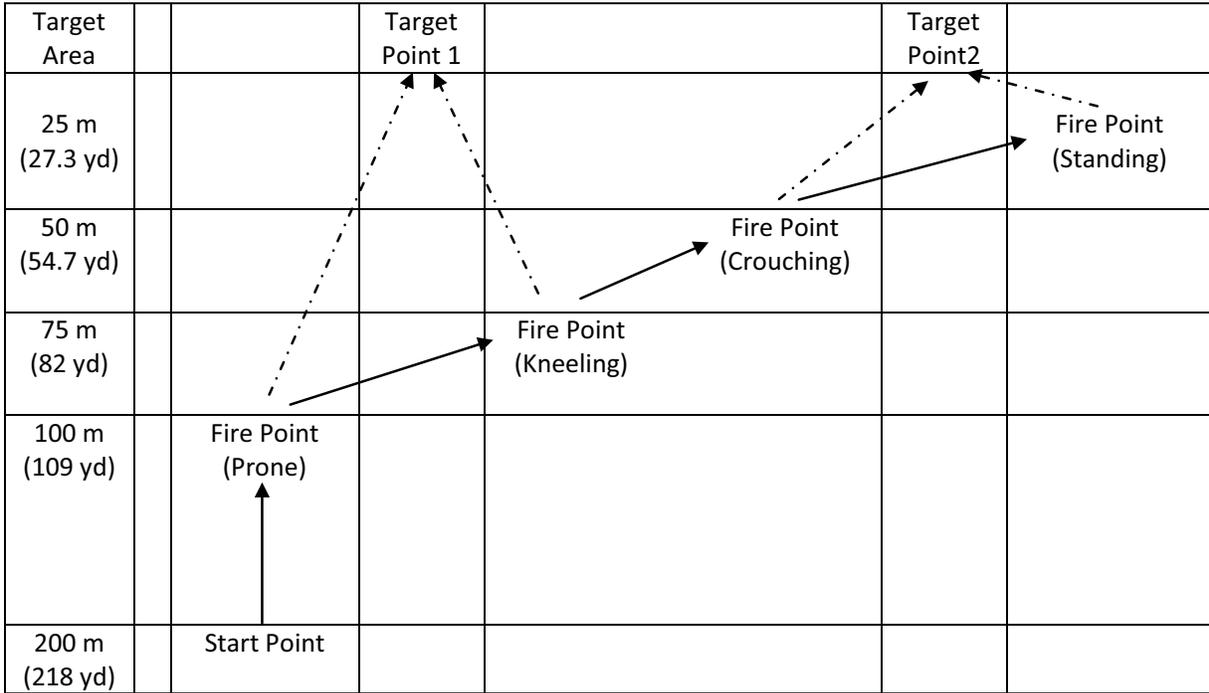


Figure 1: POC Relay Course

**APPENDIX 2 COMPLIANCE VERIFICATION CHECKLIST**

Item	Requirement	Compliant (Y/N)
2.2.2(a)	The PW shall be a semi-automatic, gas operated precision rifle.	
2.2.2(b)	The PW shall permit attachment and detachment of peripherals including the bipod, laser, sling, optics and suppressor.	
2.2.3(a)	The PW shall have a maximum weight with empty magazine and flash hider/muzzle brake (without optic or bipod) of 4.3 kg (9.5 pounds).	
2.2.3(b)	The PW shall have a maximum overall length with the butt fully extended and the suppressor attached of no more than 122 cm (48 inches).	
2.2.3(c)	The PW shall have a barrel as follows: <ul style="list-style-type: none"> <li>i. Threaded to facilitate mounting of a flash hider/muzzle brake; and</li> <li>ii. A length between 38.1 - 43.2 cm (15 - 17 in);</li> </ul>	
2.2.3(d)	The PW shall have an enclosed upper receiver such that all moving components remain within the receiver when fired.	
2.2.3(e)	The PW shall have a low profile gas block that does not protrude above, or is incorporated into, the top rail.	
2.2.3(f)	The PW shall have a lower receiver based upon an AR platform.	
2.2.4(a)	The PW shall have an external positive apply safety mechanism (mode selector) with the following characteristics: <ul style="list-style-type: none"> <li>i. Manually operated by the firer;</li> <li>ii. Capable of being checked by both sight and touch;</li> <li>iii. Movable between the safe and fire positions by the operator without moving his hands from the shooting position (prone, standing, kneeling, or sitting);</li> <li>iv. Prevents the weapon from being fired when:                             <ul style="list-style-type: none"> <li>a. The trigger is depressed with the safety in the "SAFE" position; and</li> <li>b. The selector is changed to "fire" without depressing the trigger;</li> </ul> </li> <li>v. Remains in the position the operator sets it until it is manually changed; and</li> <li>vi. Incorporates a mechanical safety that prevents the cartridge from being fired until the bolt is fully closed and locked</li> </ul>	
2.2.4(b)	The PW shall have an ambidextrous cocking (charging) handle.	
2.2.4(c)	The PW shall have a Trigger mechanism shall: <ul style="list-style-type: none"> <li>i. Be a two stage trigger;</li> <li>ii. Return to its normal forward position upon release after partial or complete trigger pull; and</li> <li>iii. Have a second stage pull force between 2 kg (4.4 pounds) and 2.7 kg (6 pounds).</li> </ul>	
2.2.4(d)	The PW shall have NATO Accessory Rail mounts in accordance with STANAG 4694 as follows: <ul style="list-style-type: none"> <li>i. Top Rail - A rail mounted on the top of the upper receiver</li> </ul>	

	<p>(centered on the 12 o'clock position) such that:</p> <ul style="list-style-type: none"><li>a. There is no movement between the rail system and the receiver:</li><li>b. It provides at least 52 cm (20.5 in) of top space, starting from the cocking handle cut out to the front end of the rail; and</li><li>c. It is not clamped or otherwise attached to the barrel such that the barrel can move independently of the rail;</li></ul> <ul style="list-style-type: none"><li>ii. Side Rails - Rails mounted on each side of the upper receiver (left and right sides centered on the 3 and 9 o'clock positions) with no less than 7.6 cm (3 in) of usable rail space each; and</li><li>iii. Bottom Rail - A rail mounted on the bottom of the upper receiver (centered on the 6 o'clock position) as follows:<ul style="list-style-type: none"><li>a. Have no less than 7.6 cm (3 in) of usable rail space; and</li><li>b. Capable of being mounted anywhere on the bottom of the upper receiver.</li></ul></li></ul>	
2.2.4(e)	<p>The PW shall have a suppressor that can reduce the un-suppressed firing noise by at least 16 dB with both ammunition types (Mk 316 and M118LR) as follows:</p> <ul style="list-style-type: none"><li>i. Be no longer than 24 cm (9.5 in);</li><li>ii. Weigh no more than 0.57 kg (1.25 pound);</li><li>iii. Fit over the flash hider/muzzle brake; and</li><li>iv. Include a positive locking mechanism that prevents the suppressor from coming loose when firing.</li></ul>	
2.2.4(f)	<p>The PW shall have a multistage collapsible or folding butt.</p>	
2.2.4(g)	<p>The PW shall have front post and rear aperture sights that are:</p> <ul style="list-style-type: none"><li>i. Removable and/or foldable; and</li><li>ii. Adjustable for range and azimuth.</li></ul>	
2.2.4(h)	<p>The PW shall have an ambidextrous sling mount forward of the butt on the rear portion of the lower receiver.</p>	
2.2.4(i)	<p>The PW shall have a non-reflective coyote brown corrosion-resistant finish in accordance with the manufacturer's standard specifications.</p>	
2.2.4(j)	<p>The PW shall incorporate self-lubricating coatings and materials that do not require grease or lubricants for the operating components</p>	
2.2.4(k)	<p>The PW shall be properly identified with a unique Serial Number.</p>	

**APPENDIX 3 COURSE OF FIRE SCORING SHEET**

Bidder: \_\_\_\_\_

Weapon Serial Number: \_\_\_\_\_

Participant: \_\_\_\_\_

**COF 1:**

Serial	Test Range	Scoring	Score	Serial Score	Pass/Fail
1	Clean Cold Barrel 100 m (109 yd)	1.5 MOA	5 (Mandatory)	___ out of 5	
2	100 m (109 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
3	200 m (218 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
4	300 m (328 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
Total Score				___ out of 50	

**COF 2:**

Serial	Test Range	Scoring	Score	Serial Score	Pass/Fail
1	Clean Cold Barrel 100 m (109 yd)	1.5 MOA	5 (Mandatory)	___ out of 5	
2	100 m (109 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
3	200 m (218 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
4	300 m (328 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
Total Score				___ out of 50	

**COF 3:**

Serial	Test Range	Scoring	Score	Serial Score	Pass/Fail
1	Clean Cold Barrel 100 m (109 yd)	1.5 MOA	5 (Mandatory)	___ out of 5	
2	100 m (109 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
3	200 m (218 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
4	300 m (328 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
Total Score				___ out of 50	

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COF 4:

Serial	Test Range	Scoring	Score	Serial Score	Pass/Fail
1	Clean Cold Barrel 100 m (109 yd)	1.5 MOA	5 (Mandatory)	___ out of 5	
2	100 m (109 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
3	200 m (218 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
4	300 m (328 yd)	1 MOA	Rounds ___ x 5 = ___ Points	___ out of 15	
		1.5 MOA	Rounds ___ x 3 = ___ Points		
Total Score				___ out of 50	

**Stoppages**

Participant	Stoppages

**APPENDIX 4 HUMAN FACTORS ASSESSMENT**

Bidder: \_\_\_\_\_

Weapon Serial Number: \_\_\_\_\_

Participant: \_\_\_\_\_

Stoppages: \_\_\_\_\_

Rate the following:	Compatibility Assessment					Remarks
	☹ 1	☺ 2	☺ 3	☺ 4	☺ 5	
Weapon ease of firing in all positions.	<input type="checkbox"/>					
Ease of conducting weapon drills in all positions.	<input type="checkbox"/>					
Effect on the training, technique and procedure (TTP) of the casing ejection pattern.	<input type="checkbox"/>					
Heat transfer from weapon to operator.	<input type="checkbox"/>					
Effect of both blast and noise during engagement.	<input type="checkbox"/>					
Effect of the recoil on the operator.	<input type="checkbox"/>					
Length, shape, comfort and adjustability of the butt.	<input type="checkbox"/>					
Shape, comfort and ergonomics of the pistol grip and hand guard.	<input type="checkbox"/>					
Shape, comfort and evenness of the trigger and trigger pull.	<input type="checkbox"/>					
Operator perception of the weapon balance in all firing positions.	<input type="checkbox"/>					
Size, shape, positioning, accessibility and ease of operation of safety and firing controls devise.	<input type="checkbox"/>					
Operator maintenance (strip and clean).	<input type="checkbox"/>					
Overall performance.	<input type="checkbox"/>					
Total	_____ out of 65					

ASSESSMENT SCALE		
1	Completely Unacceptable	The weapon did not meet any requirements for the task and had severe limitations that would prevent the operator from completing the task.
2	Reasonably Unacceptable	The weapon met the minimal requirements for the task and had some limitations that may prevent the operator from completing the task.
3	Borderline	The weapon met some of the requirements for the task and performed in a manner that would permit the operator to complete the task with limitations on range of use.
4	Reasonably Acceptable	The weapon met most of the requirements for the task and performed well in the hands of the operator with only minor limitations.
5	Completely Acceptable	The weapon met or exceeded all requirements for the task and performed in every way expected by the operator.

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**ANNEX E**  
**STATEMENT OF WORK**  
**FOR THE PRECISION (7.62 MM) WEAPON (29<sup>TH</sup> JULY, 2014)**

**1.0 SCOPE**

**1.1 Purpose**

The purpose of this document is to describe the firm and optional procurements for Precision (7.62 mm) Weapons (PWs).

**1.2 Applicable Documents**

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

- MILHDBK-61A Configuration Management Guidance (copy available upon request)

**1.3 Acronyms**

DND	Department of National Defence
ISO	International Standards Organization
NATO	North Atlantic Treaties Organization
NSN	NATO Stock Number
PA	Procurement Authority
RMA	Return Material Authorization
TA	Technical Authority
TDP	Technical Data Package

**1.4 Definitions**

<b>Stoppage</b>	<b>A stoppage is an event during the weapon cycling process that prevents the weapon from being fired. For the purposes of this evaluation, only stoppages as a result of the weapon platform are considered, and ammunition related stoppages are not included.</b>
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**2.0 DELIVERABLES**

The Contractor shall deliver the following:

- (a) Quantity one hundred fifty (150) PWs in accordance with the Technical and Performance Requirements at Annex A, including the following accessories with each:
  - i. Quantity eight (8) twenty-round magazines;
  - ii. Quantity one (1) operator tool/cleaning kit;
  - iii. Quantity one (1) Operators Manual, in English; and
  - iv. A hard-sided carrying and storage case in accordance with Annex A;

- (b) An option for up to an additional seventy-five (75) PWs in accordance with the Technical and Performance Requirements at Annex A within twenty-four (24) months of Contract Award, including the following accessories with each:
  - i. Quantity eight (8) twenty-round magazines;
  - ii. Quantity one (1) operator tool/cleaning kit;
  - iii. Quantity one (1) Operators Manual, in English; and
  - iv. A hard-sided carrying and storage case in accordance with Annex A;
- (c) Quantity ten (10) maintenance gauge tool kits;
- (d) A Technical Data Package (TDP) as detailed in Section 2.2;
- (e) A complete parts list of the PW to be used for the follow-on Standing Offer Agreement for parts. The list is to include every component of the PW (including complete units), maintenance gauge tool kits and special tools and test equipment required to maintain the PW, annotated with the following for each item:
  - i. Official Item Name;
  - ii. Manufacturer Part Number;
  - iii. Price (based upon an initial five (5) year standing offer with two (2) optional two (2) year extensions);
  - iv. Volume of Item;
  - v. Weight of Item; and
  - vi. Shelf Life of Item;
- (f) A manufacturer's recommended spare parts list to support the PW for a period of three (3) years based on an annual expected usage of up to 5,000 rounds per weapon per year.

#### 2.1 Kickoff Meeting

The Contractor shall hold a kickoff meeting at its facilities within two (2) weeks of Contract Award. This meeting will be used to introduce the DND project team and to discuss production timelines, Quality Assurance processes, and delivery options and locations.

#### 2.2 Technical Data Package (TDP)

The Contractor shall provide an initial TDP to DND, in English, no later than two (2) weeks prior to initial delivery of equipment (Address to be provided after contract award). The TDP package shall include:

- (a) Two (2) hard copies and one (1) electronic copy (MS Word or PDF format) of the Operators Manual. A hard copy of the Operators Manual shall also be included with each PW delivered; and
- (b) Two (2) hard copies and one (1) electronic copy (MS Word or PDF format) of the Maintenance/Repair Manual that includes a parts break-out drawing and list (suitable for ordering parts) with the following information in electronic format (MS Excel) for each item:
  - i. Official Item Name;
  - ii. Manufacturer Part Number;

- iii. Volume of Item;
- iv. Weight of Item; and
- v. Shelf Life of Item.

### 2.2.1 Reproduction/Translation Rights

The Contractor shall provide an authorizing letter granting the Government of Canada permission to translate and print copies of the TDP for Canada's internal use only.

## 3.0 **REQUIREMENTS**

### 3.1 Quality Assurance

The Contractor shall:

- (a) Establish, implement, document and maintain a quality system that ensures conformance to contractual requirements and meets the objectives of the ISO 9001 or equivalent quality system model during performance of this contract; and
- (b) Conduct Quality Conformance Inspections and Tests during manufacture in accordance with the Contractor's standard acceptance test plan. Details of the test plan, and documentation of all inspections/tests, are to be provided to DND upon request. DND reserves the right to send a representative(s) to witness production acceptance testing for all PWs.

### 3.1.1 Configuration Management (CM)

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 PWs delivered shall have the same product baseline and configuration as delivered in the initial contract (Annex C) 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.

### 3.1.2 Testing

The Contractor shall make available (upon request) for DND's review, all previous and current test results concerning the performance, reliability, maintainability, availability, environmental conditions and safety of the PW.

### 3.1.3 Performance and Failure Reporting

Prior to delivery, and for the period of the contract, the Contractor shall maintain records of all equipment failures and notify DND of any and all performance related issues that would either positively or negatively impact the reliability, maintainability, availability and/or supportability of the PW. In support of reliability improvement, mass system failures are to be analyzed in order to determine corrective actions.

### 3.2 Production Performance Verification

Prior to the delivery of any PWs, DND reserves the right to perform a Quality Assurance Performance Verification test. The verification test will be conducted by DND and will take place at a facility of DND's

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choice using the same ammunition as the accuracy trials conducted during the bid evaluation. Production Performance Verification testing will be against a randomly selected group of weapons (maximum ten (10) weapons) from the delivery lot. **The weapons will be fired by DND shooters in the standard Course of Fire Qualification in accordance with Annex D, Appendix 3. Each of the weapons must achieve a minimum score of 38/50 in the Course of Fire Qualification and have no more than one (1) stoppage. DND will complete the Production Performance Verification test within thirty (30) days of receipt of the weapons.** The Contractor shall not deliver any PWs to DND locations from a delivery lot until an acceptable Production Performance Verification test has been achieved and release of the lot has been authorized by the PA. Failure of the Production Performance Verification test will result in the requirement to modify the weapon system and re-testing or, in the case of repeated test failure, cancellation of the Contract.

### 3.3 Warranty

The Contractor shall provide a warranty on the PW against manufacturer defects and workmanship for twelve (12) months following delivery of the unit, including parts and labour, at no additional cost to DND. The warranty period for each delivery is to be based on the date the delivery is shipped from the Contractor's facilities to the DND final delivery point.

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**ANNEX F**  
**STATEMENT OF WORK (STANDING OFFER AGREEMENT)**  
**FOR THE PRECISION (7.62 MM) WEAPON PARTS (29<sup>TH</sup> JULY 2014)**

**1.0 SCOPE**

1.1 Purpose

The purpose of this statement of work is to describe the requirements that apply to the Standing Offer for provision of Precision (7.62 mm) Weapon parts to the Department of National Defence (DND).

**2.0 DELIVERABLES**

The Contractor shall deliver the following as defined in the individual call-ups against the Standing Offer:

- (a) Up to 10% of initial procurement of the Precision (7.62mm) Weapon systems per year for a period of five (5) years. DND is under no obligation to procure additional weapon systems;
- (b) Precision (7.62 mm) Weapons parts in accordance with the Parts List at Appendix 1 for a period of five (5) years; and
- (c) An option for two (2) additional two (2) year periods of Precision (7.62 mm) Weapons parts in accordance with the Parts List at Appendix 1.

2.1.1 Demand

The estimated forecasted demand is as follows:

Year 1	Year 2	Year 3	Year 4	Year 5
\$XXX	\$XXX	\$XXX	\$XXX	\$XXX

**3.0 REQUIREMENTS**

3.1 Quality Assurance

The Contractor shall:

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

3.1.1 Configuration Management (CM)

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.

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Buyer ID - Id de l'acheteur  
015bm

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All PW parts delivered shall have the same product baseline and support interchangeability/interoperability of parts.

### 3.2 Warranty

The Contractor shall provide warranty on all parts delivered against material defects and workmanship, including parts and labor, at no additional cost to DND in accordance with the Contractor's standard warranty provisions (minimum one (1) year) following delivery.

### 3.3 Call-Ups

All demands for spare parts will be via an authorized PWGSC- TPSGC 942 Call-up. The Contractor shall not provide spare parts to the end users without a signed PWGSC-TPSGC 942 Call-up.

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015bm

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CCC No./N° CCC - FMS No./N° VME

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**APPENDIX 1      PARTS LIST**

<b>Part Number</b>	<b>Description</b>	<b>Price (Years 1-5)</b>	<b>Price (Optional Period Years 6-7)</b>	<b>Price (Optional Period Years 8-9)</b>

*The parts list delivered with the Optional Procurements (Annex E) to be inserted in the above table prior to Standing Offer Award.*