

PROCUREMENT AND CONTRACT  
MANAGEMENT  
155 Queen street, Suite 500  
OTTAWA ON K1A 0B8



Parliamentary Protective Service  
Service de protection parlementaire  
Canada

GESTION DE L'APPROVISIONNEMENT ET DES  
CONTRATS  
155 rue Queen, Pièce 500  
OTTAWA ON K1A 0B8

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PPS-RFI-2020-067

- Request for Information
- Request for Proposal
- Request for Supply Arrangement
- Request for Standing Offer
- Request for Quotation

DIRECT ENQUIRIES TO:

**Wayne Dubeau**  
**Senior Contracting Officer**

E-MAIL: [wayne.dubeau@pps-spp.parl.gc.ca](mailto:wayne.dubeau@pps-spp.parl.gc.ca)

DATE: **December 24, 2020**

RETURN YOUR RESPONSE BEFORE:

**2:00:00 p.m. Eastern Time**  
**on January 4, 2021**

**PURPOSE:**

The purpose of this Request for Information (RFI) is to provide a public notice indicating to the supplier community that the PPS intends to award an agreement for the goods and services to Saab Canada, Inc and SAAB AB, Training & Simulation. , thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the RFI, on or before the closing date and time stated in the RFI, the contracting officer may then proceed with the award to the pre-identified supplier.

**CONTENT:**

Preface: Information for Respondents  
Section A: Statement of Requirements

AUTHORISED Respondent's SIGNATURE \_\_\_\_\_ TEL.: \_\_\_\_\_

NAME (PLEASE PRINT): \_\_\_\_\_ DATE: \_\_\_\_\_

## CONTINUATION

### PREFACE - INFORMATION FOR RESPONDENTS

#### 1. **OBJECTIVES OF THE REQUEST FOR INFORMATION**

The purpose of this Request for Information (RFI) is to provide a public notice indicating to the supplier community that the PPS intends to award an agreement for the goods and services to Saab Canada, Inc and SAAB AB, Training & Simulation. , thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the RFI, on or before the closing date and time stated in the RFI, the contracting officer may then proceed with the award to the pre-identified supplier.

Suppliers who consider themselves fully qualified and available to provide the goods and services described in the RFI, may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date and time of this notice. The statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

#### 2. **NATURE OF THE REQUEST FOR INFORMATION**

This RFI is not a bid solicitation. This RFI may, however, result in a limited competitive process for the goods and services described should the PPS receive statements of capabilities from the supplier community that meet the requirements set out in the Statement of Requirements.

The PPS reserves the right to create a source list resulting from this RFI, inviting qualified respondents to the RFI to an invitational RFP process.

#### 3. **NATURE AND FORMAT OF RESPONSES REQUESTED**

- 3.1 Respondents should explain any assumptions made in their responses to this RFI.
- 3.2 On the cover page of their response, Respondents are requested to provide their company name, address, telephone number, name and Email of a primary point of contact.
- 3.3 Respondents are asked to respond to the requirements described herein in the same order as they appear in the RFI in order to facilitate a review of the information provided.
- 3.4 Respondents are requested to submit one soft copy of their response, in PDF format, referencing the RFI number, as per the delivery instructions in clause 9, Receipt of Response, below.

#### 4. **CONFIDENTIALITY OF RESPONDENT INFORMATION**

- 4.1 Parliamentary Protective Service is seeking information from Respondents in response to this RFI.
- 4.2 It is understood and agreed that Parliamentary Protective Service will, during and following the period of this RFI, treat as confidential and not divulge, unless specifically authorized in writing by the Respondent, any information that has been identified by Respondents as "confidential" or "proprietary", within their written response to this RFI.

## CONTINUATION

### PREFACE - INFORMATION FOR RESPONDENTS

- 4.3 Parliamentary Protective Service will in no way make any direct attribution of any information obtained from Respondents that has been identified by Respondents as “confidential” or “proprietary” within their responses.

#### 5. TREATMENT OF STATEMENTS OF CAPABILITIES

- 5.1 Statements of capabilities submitted will be reviewed and evaluated by the PPS review team.
- 5.2 **Review Team:** A review team composed of representatives of Parliamentary Protective Service will review the responses received. Parliamentary Protective Service reserves the right to hire any independent consultant, or use any resources that it considers necessary to review any response, in part or in its entirety. Not all members of the review team will necessarily review all responses.
- 5.3 **Post-Submission Review Questions:** Parliamentary Protective Service may, at its exclusive discretion, request additional information from Respondents to provide clarity on any aspect of the information provided.

#### 6. RESPONSE COSTS

The Parliamentary Protective Service will not be responsible for any costs incurred by Respondents associated with the preparation and submission of responses to this RFI.

#### 7. RESERVED RIGHTS

In addition to any other expressed or implied rights, the Parliamentary Protective Service reserves the right to:

- 7.1 Cancel this RFI process at any time;
- 7.2 Cancel this RFI process at any time and issue a new RFI for the same or similar information;
- 7.3 Make amendments to the timing and/or structure of this RFI process, including the closing date of the RFI, at its exclusive discretion;
- 7.4 Request additional supporting information or clarification from any or all Respondents, and/or provide to Respondents additional clarification and information pertinent to this RFI;
- 7.5 Contact any customer or reference provided within a Respondent’s submission; and
- 7.6 Not consider any response, in its entirety, containing information which the Parliamentary Protective Service, in its exclusive opinion, believes to contain misrepresentations or any other inaccurate, suspicious or misleading information.

#### 8. CONFLICT OF INTEREST

The Respondent must not extend entertainment, gifts, gratuities, loyalty points, rewards or other incentives, discounts, or special services regardless of value to employees of Parliamentary Protective Service or their families. The Respondent has the responsibility to report to the Parliamentary Protective Service any attempts by employees of Parliamentary Protective Service or their families to obtain such favors.

## CONTINUATION

### PREFACE - INFORMATION FOR RESPONDENTS

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#### 9. RECEIPT OF STATEMENTS OF CAPABILITIES

9.1 Statements of capabilities should be electronically submitted to the Parliamentary Protective Service in accordance with the date and time indicated on the RFI.

Respondents are solely responsible for the delivery of their responses in the manner and time prescribed.

9.2 Responses should be received no later than 2:00 p.m. Eastern time, on **January 4, 2021**.

#### 10. ENQUIRIES

10.1 Questions regarding this RFI should be submitted electronically to the Contracting Authority no later than **14:00:00 Eastern time on December 31, 2020**.

10.2 Parliamentary Protective Service may provide written answers to questions received on or before this date by means of RFI addenda or Questions and Answers posted on Buy and Sell.

## CONTINUATION

### SECTION A – STATEMENT OF REQUIREMENTS

#### 1. **BACKGROUND**

On June 23, 2015, the Parliamentary Protective Service was created by law under the Parliament of Canada Act. The Speaker of the Senate and the Speaker of the House of Commons are, as the custodians of the powers, privileges, rights and immunities of their respective Houses and of the members of those Houses, responsible for the Service. The newly created parliamentary entity amalgamated the former Senate Protective Service, House of Commons Security Services, and detection specialists, into a single unified security service to serve the Parliament of Canada. While the Director of the Service must be a member of the Royal Canadian Mounted Police (RCMP) by law, he or she has control and management of the daily operations of the organization.

The Director executes his or her mandate under the joint general policy direction of the Speaker of the Senate and the Speaker of the House of Commons. The Speakers of both Houses, being responsible for the Service, and the Minister of Public Safety and Emergency Preparedness have entered into an arrangement to have the RCMP lead the physical security operations of the Service.

The 2014 attack on Parliament Hill as well as the 2020 attack at Rideau Hall highlighted a growing threat environment and the possibility of attack on the Parliament of Canada or the government. This has resulted in increased attention to physical security and enhanced security measures on Parliament Hill and within the Parliamentary Precinct.

Since 2015 the PPS has taken steps to enhance the physical security on Parliament Hill and throughout the Parliamentary Precinct. PPS has developed new capabilities, tactics, and strategies to match the threat landscape. The PPS Training Unit has supported the development of and implementation of new capabilities, tactics and strategies through the deployment of scenario-based training (SBT).

It is now prudent to evaluate and measure the effectiveness of these measures through a well-designed Force-on-Force exercise program. This will be accomplished by simulating “attacks” that are as realistic as possible by adversary forces and assessing the actions and interventions of armed response forces (protection officers). The requirements of this statement of Work will provide the Parliamentary Protective Service (PPS) with the capability to conduct these assessments by acquiring a laser based weapons effect simulator system otherwise known as a Laser Engagement System (LES) which includes all necessary devices, associated logistics support and related services to implement this measurement and evaluation capability.

#### 2. **OBJECTIVE**

The PPS requires a Laser Engagement System to effectively measure, evaluate and test implemented security measures including: protective posture, team and individual tactics, response timelines, adversary pathways and timelines, level of penetration, delay values, external security awareness, firing events (accountability, accuracy, and reliability), as well as techniques, tactics, and procedures (TTPs). PPS would like to see a easily deployable, low maintenance training solution. Additionally, PPS would like to see a training solution that is interoperable with the systems that have been deployed with key partners. We would like to explore customizable training solution that is modular, scalable and that addresses the unique needs of PPS.

## CONTINUATION

### SECTION A – STATEMENT OF REQUIREMENTS

#### 3. **BUSINESS DRIVERS**

PPS has an immediate need to implement a training solution that enables the testing of capabilities, tactics, and plans that as a result provides objective, science-based quantitative data for analysis. This data will support further strengthening and enhancements of the physical protection system and posture that has already been implemented by PPS.

#### 4. **SUMMARIES OF MAJOR PROCESSES**

##### 4.1 **Current state of business processes**

Realistic SBT, including force-on-force training and exercises, is the most effective method in overcoming stress and solidifying task proficiency for protective services and law enforcement. Further, realistic SBT creates an environment enabling accurate evaluation of officer performance under stress, while maintaining a safe and positive learning environment.

PPS is looking to enhance existing scenario based force-on-force activities by implementing a greater level of effective performance based evaluation and validation through after action analysis of accurate data of response capabilities, operational readiness and performance. PPS anticipates that a LES and AAR software will compliment its tactical and operational training with objective, high accuracy evaluation data.

The Service is also looking for a training tool which will enable training and exercise activities to be conducted in the actual operational environment without cause of damage or leaving behind any traces of training.

We are looking at a scalable training solution to enable the effective training, testing and evaluation of PPS response capabilities. Given the unique and complex environment of parliamentary federal infrastructure locations the solution should be adaptable and scalable as needed.

#### 5. **SCOPE OF REQUIREMENT**

##### 5.1 **In-scope**

- 5.1.1 Acquire commercially available LES capability to equip up to 20 armed individuals.
- 5.1.2 Training for up to 15 employees on all elements of the training solution, systems and software.
- 5.1.3 Ongoing technical support for atleast two years following the delivery of goods.
- 5.1.4 All the necessary devices, accessories, and associated logistics support and related services required to implement the LES.
- 5.1.5 Implementation and commissioning of After Action Report software meeting the requirements of this document.

## CONTINUATION

### SECTION A – STATEMENT OF REQUIREMENTS

#### 6. SUMMARIES OF MAJOR PROCESSES

##### 6.1 Future state of business processes

PPS would like to ensure that the LES is interoperable with systems that are currently deployed in the Canadian context and with key partners. PPS would like to ensure that the LES is customizable, modular and scalable to meet the needs of the Service.

- Colt C8 and handgun SAT options available
- Function in built-up or urban areas
- Supports training exercises at the individual, team, unit, organization and inter-organization level
- Automatic association of SAT and halo to individual weapon system
- Offline After Action Reporting tools
- GPS tracking of all players in chronological order
- Recording of all firing events in chronological order

#### 7. REQUIREMENTS

Respondents should indicate how the proposed solution will meet the following requirements. Respondents are encouraged to present available alternatives in cases where their solution does not meet one of the following requirements, and to include any assumptions made in their response. Please use the tables below to respond:

Item	Requirement	Yes	No	How requirement is Met or Alternative
<b>Small Arms Transmitters - Mandatory</b>				
A1	Be triggered by blank ammunition.			
A2	Be mountable on a Colt C8 Carbine with picatinny rails.			
A3	Be programmable to replicate other small arms weapons.			
A4	Have a laser pulse accuracy of atleast 95% probability kill at 495 meters for Colt C8.			
A5	Align to emulate the performance of the actual weapon being used.			
A6	Be usable in built-up and urban areas such as Parliament of Canada facilities, Parliament Hill, close quarter battle facilities, and other training facilities.			
A7	Be unused and based on the manufacturers' most recent design and specifications.			
A8	Use batteries that are easily replaceable (less than 5 minutes) or rechargeable by user with minimal interruption to training events.			
A9	Be configurable for single fire and automatic weapon association.			

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A10	Be compatible with BAK engineering, Mini BAK board bore sign alignment beam profile.			
<b>Individual Weapon System - Mandatory</b>				
B1	Be adjustable to fit 95 <sup>th</sup> percentile person (i.e. the equipment must accommodate most body types from extra small to extra large).			
B2	Be constructed of materials that will not deteriorate when subjected to normal wear and tear activities (i.e. Materials will not brittle, crack, rust, corrode, deteriorate due to sun exposure, cold weather (down to -25 degrees Celcius), snow, rain, wind and other weather conditions).			
B3	Have sensors to detect a "hit" ("kill" or "near miss") from a SAT targeting the front, back, and side of the individual wearing the system (i.e. 360 degree coverage)			
B4	Have selectable probability kill ratio vulnerability programmable to include the impact of wearing body armour.			
B5	Have a wireless head halo with sensors detecting hits from all sides (360 degree coverage). Halo will be compatible with helmets or soft-caps.			
B6	Be capable of downloading and transmitting event data upon completion to a central location to be compiled in post exercise After Action Reporting (AAR).			
B7	Illuminate a visual (LED) warning and emit an audible warning when a "hit" is registered from the SAT.			
B8	Offer IED simulation props that integrate with the LES.			
B9	Use batteries that are easily replaceable (less than 5 minutes) or rechargeable by user with minimal interruption to training events.			
B10	Have GPS tracking capability of all all movements of individuals and teams during exercise activities.			
B11	Incorporate a full wireless sensor compliment with halo and multiple body sensors.			
B12	The sensors will be arranged in sufficient quantities or configurations in order to enable the wearing of removable items an individual could carry such as backpacks, shields, etc. while still enabling 360 degree coverage.			
B13	The halo, the harness and the SAT will automatically associate (i.e. will not have to be paired prior to each use)			
B14	The halo and the harness can operated untethered.			
B15	Offer a scalable vehicle detection system.			



## CONTINUATION

B16	Wireless weapons association with player.			
B17	Firing inhibited when player is wounded or dead (i.e. anti-cheat, weapon is disabled).			
B18	Automatic time synchronization and tags all events with position via integrated GPS.			
<b>Field Observer Controller Guns/ Devices/ Fobs (pocket size) - Mandatory</b>				
C1	Be able to allow an instructor to deliver device commands to exercise equipment.			
C2	Use batteries that are easily replaceable (less than 5 minutes).or rechargeable by user with minimal interruption to training events			
<b>Dry Fire Trigger - Mandatory</b>				
D1	Be compatible with the C8 Carbine.			
D2	Allow for repeated "dry" firing of the weapon without causing any damage to the weapon.			
<b>SAT Alignment Device / Configuration - Mandatory</b>				
E1	Provide an alignment device for the SAT.			
E2	Ensure effective SAT alignment under all light conditions.			
<b>After Action Reports - Mandatory</b>				
F1	The LES is required to produce After Action Reports (AAR). An AAR is defined as a report that provides a chronology of all incidents that occurred during the course of a training/exercise activity. As a minimum, the AAR must include: <ul style="list-style-type: none"> <li>- The date and time of the incident;</li> <li>- Correlate accurately to each individual player;</li> <li>- Lethality assessments (kill or wound);</li> <li>- Recording of all hits,misses, shots fired;</li> <li>- Any reset or resurrection activity; and</li> <li>- An overall summary of all incidents and assessments of the LES equipment performance.</li> </ul>			
F2	Provide semi-ruggedized laptop(s) with required operating system, AAR software, log extractor and WLN adaptor for data collection. This laptop must have an encrypted harddrive and must be password protected. The laptop will be configured in order to download AAR event data from the LES to produce hard copy reports.			
F3	Module on AAR software is to be included during the Instructor Training Course in order to demonstrate the processes and troubleshooting to course participants.			

## CONTINUATION

F4	The GPS tracking must be compatible with the Individual Weapons System event downloading and transmitting procedures.			
F5	The GPS tracking must have the capability to maintain an accurate log of positions and chronology that accurately correlates with the individual Weapons System event data.			
<b>Documentation - Mandatory</b>				
G1	Provide documentation that describes the proper use, set-up, and configuration of all LES equipment.			
G2	All documentation is required in both English and in French. Should French documentation not be available, PPS must be provided with the rights to translate and reproduce the documentation for its own use.			
G3	In addition to the hardcopy requirements, an electronic version of the documentation will be supplied to the technical authority in PDF format.			
G4	Provide all available Original Equipment Manufacturer (OEM) documentation that describes part lists, maintenance procedures, troubleshooting procedures, system configurations, field level repairs, and illustrations for all supplied equipment.			
<b>Instructor Training Course - Mandatory</b>				
H1	Provide an Instructor Training course for PPS staff on a date and at a location in the Ottawa area or National Capital Region that will be specified by the Technical Authority once a contract has been awarded.			
H2	The training course should accommodate up to 15 PPS staff.			
H3	The course shall be comprehensive enough for participants to have the ability to train other users effectively with a high-level of familiarity with the equipment on its use with a sound knowledge of the system operations so they can install and configure the software, troubleshoot problems effectively, and maintain the equipment as necessary.			
H4	The training course shall provide a recommended equipment maintenance schedule.			
H5	The course will be a minimum of two days, in duration, consisting of both theory and hands on instruction, to ensure that all above mentioned objectives are effectively covered.			
H6	PPS requires any training course documentation to be provided in both English and French. Should French documentation not be available, PPS must be provided with the rights to translate and reproduce the documentation for its own use. In			

## CONTINUATION

	addition to the hard copy requirements, an electronic version of the documentation is to be supplied in a PDF format.			
<b>Technical Support Services - Mandatory</b>				
11	Provide, at a minimum, telephone technical support to PPS representatives responsible for the maintenance and support of all LES equipment for a minimum of two years from the equipment delivery date.			

### 8. PRICING

Respondents are asked to provide pricing estimates to support their solution. Pricing information will not be evaluated. The pricing estimates will be utilized for budget and planning purposes for future projects. For this reason, the following table is recommended.

Item	Unit Price	Comments
<i>Small Arms Transmitter</i>		
<i>Individual Weapons Systems</i>		
<i>Field Observer Controller Gun</i>		
<i>Field Observer Controller Devices/ Fobs</i>		
<i>Dry Fire Triggers</i>		
<i>SAT alignment Jig Kits</i>		
<i>After Action Report Software</i>		
<i>After Action Report Software Installation and Configuration</i>		
<i>Documentation – Basic User</i>		
<i>Documentation – Technical Maintenance and Support</i>		
<i>Instructor Training Course</i>		
<i>Technical Support Services</i>		

### 9. POTENTIAL PHASING AND TIMELINES

Respondents are asked to propose a method to organize the project in terms of phases and outcomes, along with typical timelines experienced by other clients and any other measures required to maintain health and safety of all personnel during the Covid19 pandemic .

### 10. POTENTIAL MODULARIZATION

Respondents are asked to describe in text format or using a diagram:

- 10.1 which components of the above-mentioned requirements they offer in their proposed solution;
- 10.2 which components may be offered by a partner solution;
- 10.3 which items are not part of their product suite.

## CONTINUATION

### SECTION A – STATEMENT OF REQUIREMENTS

This information will only be used for the purpose of planning the architectural view and projects scoping for the PPS.

#### 11. CLIENT BASE

The PPS would like to have a good understanding of how the proposed solution is actually used in operational training environments today. Respondents are asked to provide the following information:

- 6.1. In which country(ies) has this solution been implemented?
- 6.2. How many organizations have implemented this solution?
- 6.3. What types of organizations (which industry) are using this solution?
- 6.4. If possible, please name some of the organizations where this solution has been implemented;
- 6.5. Comparables industry-wise to what PPS is seeking within this RFI.

#### 12. TECHNOLOGY

The PPS would like to have a good understanding of what technology requirements are needed to run the After Action Report (AAR) software. Respondents are asked to provide the following information:

- 12.1 What operating system is needed to run and support the AAR software?
- 12.2 What operating capacity is required to run a report and store AARs and other data?
- 12.3 Is the software hosted on a network, or can it be installed on a standalone laptop?
- 12.4 Describe how data from the LES will be transferred to the laptop. Is there a network requirement?

#### 13. SUPPORT MODEL

Describe the typical support model for this solution, including the following information:

- 13.1 Hours and time zone for vendor support
- 13.2 Roles and responsibilities
- 13.3 Type of support offered (i.e. remote/ on-site support)
- 13.4 Describe types of support offered
- 13.5 Warranties and guarantees on the goods