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## Revision to a Request for a Standing Offer

## Révision à une demande d'offre à commandes

National Master Standing Offer (NMSO)

Offre à commandes principale et nationale (OCPN)

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

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

## Comments - Commentaires

## Vendor/Firm Name and Address

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

## Issuing Office - Bureau de distribution

Electronics, Simulators and Defence Systems Div.

/Division des systèmes électroniques et des  
systèmes de simulation et de défense

11 Laurier St. / 11, rue Laurier

8C2, Place du Portage

Gatineau

Québec

K1A 0S5

|  |  |   |
|--|--|---|
| <b>Title - Sujet</b><br>LASER/LIDAR EQUIPMENT  |  |   |
| <b>Solicitation No. - N° de l'invitation</b><br>M7594-120506/C   |  | <b>Date</b><br>2012-05-28   |
| <b>Client Reference No. - N° de référence du client</b><br>M7594-120506  |  | <b>Amendment No. - N° modif.</b><br>004                                   |
| <b>File No. - N° de dossier</b><br>099qf.M7594-120506  | <b>CCC No./N° CCC - FMS No./N° VME</b>       |   |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-\$\$QF-099-22758   |  |   |
| <b>Date of Original Request for Standing Offer</b>   |  | 2012-05-10  |
| <b>Date de la demande de l'offre à commandes originale</b>   |  |   |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b><br><b>on - le 2012-06-07</b>   |  | <b>Time Zone</b><br><b>Fuseau horaire</b><br>Eastern Standard<br>Time EST |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Hamilton, Kimberly  |  | <b>Buyer Id - Id de l'acheteur</b><br>099qf                               |
| <b>Telephone No. - N° de téléphone</b><br>(819) 956-0246 ( )   | <b>FAX No. - N° de FAX</b><br>(819) 956-5650 |   |
| <b>Delivery Required - Livraison exigée</b>  |  |   |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b>  |  |   |
| <b>Security - Sécurité</b><br>This revision does not change the security requirements of the Offer.<br>Cette révision ne change pas les besoins en matière de sécurité de la présente offre. |  |   |

Instructions: See Herein

Instructions: Voir aux présentes

|  |                          |                          |
|--|--------------------------|--------------------------|
| <b>Acknowledgement copy required</b>   | <b>Yes - Oui</b>         | <b>No - Non</b>          |
| <b>Accusé de réception requis</b>  | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>The Offeror hereby acknowledges this revision to its Offer.</b><br><b>Le proposant constate, par la présente, cette révision à son offre.</b>   |                          |                          |
| <b>Signature</b>   | <b>Date</b>              |                          |
| Name and title of person authorized to sign on behalf of offeror. (type or print)<br>Nom et titre de la personne autorisée à signer au nom du proposant.<br>(taper ou écrire en caractères d'imprimerie) |                          |                          |
| <b>For the Minister - Pour le Ministre</b>   |                          |                          |

Solicitation No. - N° de l'invitation

M7594-120506/C

Amd. No. - N° de la modif.

004

Buyer ID - Id de l'acheteur

099qf

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

M7594-120506

File No. - N° du dossier

099qfM7594-120506

CCC No./N° CCC - FMS No/ N° VME

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This Solicitation amendment 004 is raised to:

1)

Delete: Annex A - Statement of Work

Replace with Annex A - Statement of Work. Section 3. 5.1 has been modified.

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All other terms and conditions remain unchanged.

**Annex A - STATEMENT OF WORK**

**ROYAL CANADIAN MOUNTED POLICE**

**LASER/LIDAR SPEED-MEASURING EQUIPMENT**

2012-04-18

Prepared by:  
Harry Harteveld  
RCMP - National Project Management Office (NPMO)  
Strategic Investment and Project Management

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## **1. INTRODUCTION**

This Statement of Work (SOW) details the requirements of the LASER/LIDAR speed-measuring equipment that is required by the Royal Canadian Mounted Police (RCMP) to enforce vehicle speed regulations throughout Canada. For the purposes of this SOW the terms LASER and LIDAR will be referred to as the LASER device.

1.1 The LASER devices shall meet minimum performance and verification requirements with the National Highway Traffic Safety Administration (NHTSA) in accordance with Speed-Measuring Device Performance Specifications: LIDAR Module (DOT HS 809 811, June 2004).

1.2 The LASER devices shall be in production throughout the period of the standing offer as listed in the latest published International Association of Chief of Police (IACP) Conforming Product List (CPL):

<http://www.theiacp.org/PoliceServices/ExecutiveServices/ProfessionalAssistance/RadarLidarTestingandCPLs/tabid/245/Default.aspx#CPL>

## **2. ACRONYMS AND TERMINOLOGY**

2.1 The following list of acronyms and definitions are used in this SOW:

2.1.1 CSA – Canadian Standards Association

2.1.2 HUD – Heads-Up Display

2.1.3 LASER – Light amplification by stimulated emission of radiation

2.1.4 LIDAR – Light Detection and Ranging

2.1.5 ULC – Underwriters Laboratories of Canada

## **3. REQUIREMENTS**

### **3.1 GENERAL REQUIREMENTS**

3.1.1 The LASER device shall operate in a manner so as to accurately measure and display the speed of the targeted vehicle in kilometers per hour (km/hr);

3.1.2 The speed of the targeted vehicle shall be displayed when multiple targets are within range of the LASER device;

3.1.3 The LASER device shall utilize a manual only method of locking a target speed;

3.1.4 The LASER device shall be capable of displaying range from the LASER device to the target vehicle in tenths of a meter;

- 3.1.5 The LASER device shall have the ability to differentiate target vehicles which are either approaching or receding from the LASER device and shall display to the operator whether the target vehicle is approaching or receding; and
- 3.1.6 It is desirable that the LASER device have a HUD capability to simultaneously display both range and speed of the target.

## **3.2 PHYSICAL REQUIREMENTS**

- 3.2.1 The physical dimensions of the LASER device shall not exceed 28.0 cm L x 11.5 cm W x 27.0 cm H including the handle;
- 3.2.2 The weight of the LASER device including the battery shall not exceed 2.0 kg;
- 3.2.3 The Offeror shall provide documentation in their offer related to how the LASER device is protected from mechanical and environmental damage;
- 3.2.4 The LASER device shall be monocular style that is operated with the handle held in a vertical (upright) position so that the control functions and display are read horizontally;
- 3.2.5 The LASER device shall have tripod-mount capability; and
- 3.2.6 The LASER device shall be of one (1) piece construction so that the handle is an integral/non-removable part of the LASER device body.

## **3.3 CONTROL FUNCTIONS**

- 3.3.1 The LASER device shall have minimum and maximum range settings;
- 3.3.2 All menu controls buttons shall be located on the back panel of the LASER device facing the operator;
- 3.3.3 The ON/ OFF switch control function shall be provided on the body of the LASER device. This may be incorporated into the volume control or trigger;
- 3.3.4 An aiming tone is required and shall have the following functionality:
  - a) An intermittent audio tone when target is being tracked; and
  - b) A continuous audio tone when target is acquired.
- 3.3.5 The LASER device shall be a standalone unit with no capability of being attached to a camera;
- 3.3.6 The LASER device shall have an inclement/weather menu option;

- 3.3.7 It is desirable that the LASER device have no muting capability control function on the body of the LASER device; and
- 3.3.8 It is desirable that the LASER device have the capability to obtain a targeted vehicle's range and speed through glass.

#### **3.4 ADDITIONAL EQUIPMENT**

- 3.4.1 Each LASER device supplied shall include the following:
  - a) A carry case that is rugged, hard shell, lockable, and with a handle;
  - b) A Manfrotto 055 XB tripod; and
  - c) A Manfrotto 222 Joystick Head.
- 3.4.2 In the event that the LASER device is operated by a proprietary battery system, the following shall be included:
  - a) A battery/batteries to operate the LASER device;
  - b) A spare battery/batteries; and
  - c) One (1) CSA and/or ULC approved 110 VAC battery charger.
- 3.4.3 It is desirable that the LASER device have an alternative external power source capability.

#### **3.5 RADIO FREQUENCY INTERFERENCE**

- 3.5.1 The LASER device shall be designed to eliminate the effects of radio frequency disturbances and provide protection for police radio and cellular modem used and/or installed in a vehicle. During Pre-Award testing if disturbances are detected the Offeror will have 30 calendar days to modify the devices and correct the fault. Protection shall be provided within the following ranges:
  - a) Land Mobile Radio Frequency Ranges: 138 to 144 MHz; 148 to 174 MHz; 220 to 222 MHz; 406 to 430 MHz; 450 to 470 MHz; 758 to 768 MHz; 768 to 776 MHz; 788 to 798 MHz; 798 to 806 MHz; 806 to 824 MHz; 851 to 869 MHz; and
  - b) Cellular Frequency Ranges: 700 MHz band; 824 to 849 MHz; 869 to 894 MHz; 1850 to 1910 MHz; 1930 to 1990 MHz.
- 3.5.2 If at any time a LASER device is found to interfere with RCMP communications equipment throughout the period of the Standing Offer, then the Manufacturer will be given 30 calendar days to modify the product and correct the problem. Failure in doing so may result the Standing Offer and all undelivered call-ups being terminated.

#### **4. OPERATOR'S MANUAL (English Only)**

- 4.1 The Offeror shall include in their offer an electronic and hard copy of the operator's manual.
- 4.2 At time of call-up each LASER device shall be supplied with an electronic copy of the operator's manual.
- 4.3 The manual shall include the following:
  - 4.3.1 A system overview;
  - 4.3.2 All references to speed shall be in km/hr;
  - 4.3.3 LASER device specifications;
  - 4.3.4 The illustrations and diagrams shall support the narrative descriptions throughout the manual;
  - 4.3.5 Clearly describe the functionality of the LASER device;
  - 4.3.6 A detailed description of each control function and feature;
  - 4.3.7 A detailed description of all instrument/self tests; and
  - 4.3.8 Basic troubleshooting guides.

#### **5. ON-LINE OPERATOR TRAINING PACKAGE (English Only)**

- 5.1 It is desirable that the Offeror provide in their offer access to on-line operator training, specific to the offered LASER device that is supplied by the manufacturer and issues a certificate upon successful completion.
- 5.2 It is desirable that the on-line operator training to contain the following:
  - 5.2.1 A course syllabus;
  - 5.2.2 Basic operating procedures;
  - 5.2.3 LASER device controls and selectable options; and
  - 5.2.4 Basic troubleshooting.



## **6. UPON REQUEST TRAIN-THE-TRAINER SESSION (English Only)**

6.1 The Offeror shall provide, upon request, one train-the-trainer session at each of the three (3) RCMP locations for the LASER device that will consist of the following:

6.1.1 The training shall be conducted by a factory instructor who will provide a training session with/compromising of at least, but not limited to, the following:

- a) A course syllabus;
- b) Set up, test and operating procedures;
- c) Functionality of each of the LASER device control features;
- d) Detailed list of selectable menu options and how they are accessed and activated;  
and
- e) Basic troubleshooting.

6.1.2 The one-day training session shall be held at each of the following RCMP locations:

- a) Vancouver, BC;
- b) Regina, SK; and
- c) Halifax, NS.

6.1.3 Train-the-trainer sessions shall be conducted during the initial period of the Standing Offer. Scheduling of each session shall be at the discretion of the RCMP.

6.1.4 Each session shall accommodate approximately 25-35 participants. (All travel and expenses for RCMP participants will be the responsibility of the RCMP).

6.1.5 Upon successful completion of the train-the-trainer course, participants shall receive a certificate authorizing them to instruct other qualified RCMP instructors in the operation of the specific LASER device.

## **7. TECHNICAL SUPPORT**

7.1 The Offeror shall provide documentation from the manufacturer with their offer that they have an authorized service center within Canada capable of performing warranty repair and services for defective LASER devices and components:

7.2 During the term of warranty, the Offeror shall pay all shipping costs when a LASER device requires warranty repairs.

7.3 It is desirable that the Offeror provide a replacement LASER device at no cost if the warranty repair to the LASER device cannot be completed and returned to the RCMP within seven (7) calendar days.

## 8. LIST OF DELIVERABLES

| Item # | Description   | Reference       |
|--------|---|-----------------|
| 1      | LASER Device to include the following:<br>a) A carry case that is rugged, hard shell, lockable, and with a handle;<br>b) Manfrotto 055 XB tripod;<br>c) Manfrotto 222 Joystick Head;<br>d) A battery/batteries to operate the device;<br>e) A spare battery/batteries; and<br>f) One (1) CSA and/or ULC approved 110 VAC battery charger. | Section 1 and 3 |
| 2      | A set of proprietary batteries and charger  | Section 3       |
| 3      | On-Line Operator Training Package   | Section 5       |
| 4      | Upon Request Train-the-Trainer Session  | Section 6       |
| 5      | Technical Support Documentation   | Section 7       |