



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A :**

Bid Receiving/Réception des soumissions
Anouk.st-aubin@rcmp-grc.gc.ca

**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: - Commentaries :

THIS DOCUMENT DOES NOT CONTAIN A
SECURITY REQUIREMENT

LE PRÉSENT DOCUMENT NE COMPORTE PAS
D'EXIGENCE EN MATIÈRE DE SÉCURITÉ

| | | |
|--|---|--|
| Title – Sujet Standard LASER/LIDAR Speed-Measuring Equipment | | Date 2023-06-29 |
| Solicitation No. – N° de l'invitation A/202200846 | | Amendment No. – N° de la modification 2 |
| Client Reference No. - No. De Référence du Client 202200846 | | |
| Solicitation Closes – L'invitation prend fin | | |
| At / à : | 14 :00 | EDT(Eastern Daylight Time) HAE (heure avancée de l'Est) |
| On / le : | 2023-07-18 | |
| Delivery - Livraison See herein — Voir aux présentes | Taxes - Taxes See herein — Voir aux présentes | Duty – Droits See herein — Voir aux présentes |
| Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes | | |
| Instructions See herein — Voir aux présentes | | |
| Address Inquiries to – Adresser toute demande de renseignements à Anouk.st-aubin@rcmp-grc.gc.ca | | |
| Telephone No. – No. de téléphone 438-462-2984 | Facsimile No. – No. de télécopieur | |

| | |
|---|--|
| Delivery Required – Livraison exigée See herein — Voir aux présentes | Delivery Offered – Livraison proposée |
| Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur: | |
| Telephone No. – No. de téléphone | Facsimile No. – No. de télécopieur |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |



This amendment is raised to address the following:

- To respond to questions received during the solicitation period; and
- To revise the solicitation accordingly, as applicable.

QUESTIONS AND ANSWERS

Question 1:

Page 33 – SOW / 5.5

5.5 The LASER device shall display the speed and distance measurement to the operator by way of a "heads-up-display" within the sighting scope. These measurements shall also be displayed on the LED/LCD display.

Will you accept: "The LASER device shall display the speed **or** distance measurement to the operator by way of a "heads-up-display" within the sighting scope. These measurements shall also be displayed on the LED/LCD display."?

Answer 1:

Yes, it is acceptable. We will amend this requirement. Please refer to Solicitation Revisions 1 and 2 below.

SOLICITATION REVISIONS

On page 32,

DELETE:

ANNEX A - STATEMENT OF REQUIREMENT

1. INTRODUCTION

- 1.1 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.
- 1.2 The RCMP has identified a need to have a LASER device available to meet operational needs. This SOW is for the standard LASER device.



2. ACRONYMS AND TERMINOLOGY

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

2.1.1 LASER - Light amplification by stimulated emission of radiation.

2.1.2 LIDAR - Light Detection and Ranging.

2.1.3 Standard LASER device – a device that is of standard physical size and capable of long range measurements with use with a tripod if desired.

2.1.4 Manual Mode - a mode in a LIDAR system where an operator manually aims the LIDAR system to track the movement of a target vehicle while the vehicle's range and speed are determined and recorded.

3. GENERAL REQUIREMENTS

3.1 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);

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

3.3 The LASER device shall utilize a manual mode of locking a target speed;

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

3.5 The LASER device shall have the ability to differentiate target vehicles which are either approaching or receding from the LASER devices and shall display to the operator whether the target vehicle is approaching or receding; and

3.6 The LASER device shall have supplied batteries capable of powering the LASER for at least eight (8) hours of continuous operation.

3.7 The LASER device must be able to operate to a distance of at least 1828 m (6000 ft).

3.8 The LASER must have a 36-month warranty

3.9 The LASER device shall be in production throughout the contract and listed in the latest published National Highway Traffic Safety Administration's Conforming Product List (CPL) along with providing certification that the National Highway Traffic Safety Administration (NHTSA) has tested and certified the LASER speed-measuring device as per Device Performance Specifications: Lidar Module (DOT HS 809 811, March 2013). See the following website for details: <https://www.theiacp.org/sites/default/files/2018-08/IACPLidarModule.pdf>

4. LASER DEVICE PHYSICAL REQUIREMENTS



- 4.1 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;
- 4.2 The weight of the LASER device including the battery shall not exceed 2.0 kilograms;
- 4.3 The housing of the LASER device shall be designed to operate after a 1.5 meter fall to the roadway;
- 4.4 The housing of the LASER device must be able to meet or exceed water and dust Ingress Protection (IP) 67 standards;
- 4.5 The LASER device shall be monocular style that is operated with the handle held in a vertical (upright) position;
- 4.6 The LASER device shall have tripod-mount capability; and
- 4.7 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.

5. CONTROL FUNCTIONS

- 5.1 The LASER devices shall have minimum and maximum range settings;
- 5.2 All LASER device menu controls buttons shall be located on the back panel of the LASER device facing the operator;
- 5.3 The LASER device must have an ON/OFF button which may be an independent button or be incorporated into the trigger on the LASER device;
- 5.4 The LASER device shall have an audible aiming tone and shall have the following functionality:
 - a) An intermittent audible tone when target is being tracked; and
 - b) A continuous audible tone when target is acquired;
- 5.4 The LASER device shall have an inclement/weather menu option;
- 5.5 The LASER device shall display the speed **and** distance measurement to the operator by way of a "heads-up-display" within the sighting scope. These measurements shall also be displayed on the LED/LCD display.
- 5.6 The LASER device must include an anti-jamming feature that is designed to combat jamming devices

6. ADDITIONAL EQUIPMENT

- 6.1 Each LASER device supplied must include the following:
 - 6.1.1 A carry case that is IP54 rated, lockable, and with a handle;
 - 6.1.2 A LASER device battery system which includes the required batteries to operate the device;
 - 6.1.3 A magnified scope of at least 3X magnification;



6.2 Each LASER device must, if and when requested have the following available with it:

6.2.1 Manfrotto 190 X Aluminum 3-section camera tripod (SKU MT190X3) or equivalent

Equivalent features:

- Construction materials: Aluminum
- Max weight: 2kg
- Max height (centre column down) 135cm
- Max height (centre column up): 160cm
- Min height 59cm
- Top attachment: 3/8" screw
- Max payload weight: 15kg
- Leg sections: three

and

6.2.2 Manfrotto Light Duty Grip Ball Head, Compact and Portable (SKU 324RC2) joystick or equivalent

Equivalent features:

- Construction materials: Aluminum
- Max weight: 0.5 kg
- Max payload weight: 4kg
- Plate type: Rapid connect mounting plate
- Top attachment: 1/4" screw
- Bottom attachment: 3/8" threaded receiver
- Front tilt: -90°/+90°
- Lateral tilt: -19°/+90°
- Head type: Ball head
- Panoramic rotation: 360°
- Quick release: Yes

and

6.2.3 A removable shoulder stock;

and



6.2.4 power source for the LASER device capable of powering the device from a vehicle with cable length not less than 3 meters in length;

and

6.2.5 motorcycle carrier for the LASER device

7. RADIO FREQUENCY INTERFERENCE

7.1 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. If any such disturbances are found during the 1st Article Testing, the Standing Offer Holder will have thirty (30) days to correct the problem and return to the RCMP a modified LASER device for final testing.

7.2 Protection shall be provided within the following ranges:

7.2.1 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

7.2.2 Cellular Frequency Ranges: 700 MHz band; 824 to 849 MHz; 869 to 894 MHz; 1850 to 1910 MHz; 1930 to 1990 MHz.

7.3 LASER equipment must meet ICES-001 & 003 standards:

7.3.1 ICES-001 can be found at <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf00018.html> and ICES-003 can be found at <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf00020.html>

8. OPERATOR'S MANUAL (in English only)

8.1 The manual must be included with each LASER device (English only)

9. TRAINING (in English only)



1.1 The Contractor shall provide upon request and at no additional cost to Canada; one (1) train-the-trainer (set specific) session at the following locations: Chilliwack, BC; Regina, SK; and Halifax, NS.

The Contractor will be required to travel to the locations (to be determined by the Project Authority). The [National Joint Council Directive](#) will apply for any travel, accommodation and living expenses.

9.2 The training shall be conducted by a factory certified instructor and shall comprise, but not be limited to, the following:

9.2.1 A course syllabus which covers the following at a minimum;

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

9.2.2 Each training session shall accommodate approximately 25-35 participants.

9.2.3 Upon successful completion of the train-the-trainer course, the Trainer shall receive a certificate (in both Official Languages of Canada) stating that they are now qualified to instruct RCMP members in the operation of the LASER device.

9.3 The Contractor must provide the RCMP with access to the LASER device's Online Operator Training Course which issues a certificate upon successful course completion. The Online Operator Training Course shall comprise, but not limited to, the following:

- a) Course syllabus;
- b) Basic operating procedures;
- c) LASER device controls and selectable options; and
- d) Basic troubleshooting.

10. SUPPORT and Repair

10.1 The Contractor shall provide Phone Support with a 1-800 number from 900 AM - 1700 PM EST; Monday-Friday;

10.2 The Contractor shall provide Email Support and shall respond to all enquiries within one (1) business day;



10.3 The LASER device manufacturer or manufacturer certified vendor must be able to attend court in Canada to speak to any technical aspects of the LASER device if determined to be required by the court in consultation with the contracting authority located in the RCMP's Contract and Indigenous Policing policy centre.

10.4 The Contractor shall provide a Canadian facility which will be capable of providing a repair / exchange service for defective units and components.

10.5 The maximum time for repairs to be completed must be fourteen (14) days after the unit is received at the repair / exchange facility. The Contractor must provide the client with a "replacement unit" at no additional cost, when a repair is required to the original unit, and it cannot be returned within fourteen (14) days. Longer repair times must be approved by the Project Authority.

11. MEETINGS

Not required.

INSERT:

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Equivalent features:

- Construction materials: Aluminum
- Max weight: 2kg
- Max height (centre column down) 135cm
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- Top attachment: 3/8" screw
- Max payload weight: 15kg



- Leg sections: three

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6.2.2 Manfrotto Light Duty Grip Ball Head, Compact and Portable (SKU 324RC2) joystick or equivalent

Equivalent features:

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- Max weight: 0.5 kg
- Max payload weight: 4kg
- Plate type: Rapid connect mounting plate
- Top attachment: ¼" screw
- Bottom attachment: 3/8" threaded receiver
- Front tilt: -90°/+90°
- Lateral tilt: -19°/+90°
- Head type: Ball head
- Panoramic rotation: 360°
- Quick release: Yes

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6.2.3 A removable shoulder stock;

and

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7.3.1 ICES-001 can be found at <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf00018.html> and ICES-003 can be found at <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf00020.html>

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11. MEETINGS

Not required.



2) On page 44,

DELETE:

ANNEX D MANDATORY CRITERIA

MANDATORY EVALUATION CRITERIA

In their proposals, Offerors must demonstrate in writing they meet the following mandatory criteria. Failure to meet any of the mandatory criteria will render the offer non-compliant and it will be given no further consideration. Links to web pages are not accepted and will be assessed a “NOT MET” rating.

Offerors must provide brochures, specification sheets, schematics, photos and/or other technical documentation that clearly demonstrates compliance with the criteria.

MAKE AND MODEL OFFERED: _____

| | CRITERIA | SUBSTANTIATION Please Cross Reference to Specific pages in your proposal [Completed by Offeror] | ASSESSMENT MET/ NOT MET [Completed by RCMP Evaluator] |
|---|--|---|--|
| M1 | OPERATING REQUIREMENTS | | |
| | The LASER must: | | |
| | M1.1 accurately measure and display the speed of the targeted vehicle in kilometers per hour (km/hr); | | |
| | M1.2 display the speed of the targeted vehicle when multiple targets are within range of the LASER device; | | |
| | M1.3 utilize a manual mode of locking a target speed; | | |
| | M1.4 be capable of displaying range from the LASER device to the target vehicle in tenths of a meter; | | |
| M1.5 have the ability to differentiate target vehicles which are either approaching or receding from the LASER device and must display to the operator whether the target vehicle is approaching or receding; | | | |



| | | | |
|-----------|--|--|--|
| | <p>M1.6 have batteries able to power the device for at least eight (8) hours of continuous operation; and</p> <p>M1.7 be able to operate to a distance of at least 1828m (6000ft).</p> | | |
| M2 | <p>PHYSICAL REQUIREMENTS</p> <p>The LASER must:</p> <p>M2.1 not exceed the dimensions of 28.0 cm L x 11.5 cm W x 27.0 cm H including the handle;</p> <p>M2.2 not exceed 2.0 kilograms (including the battery);</p> <p>M2.3 have housing features to protect the device in the event of a 1.5 meter fall to the ground;</p> <p>M2.4 meet or exceed water and dust <u>Ingress Protection (IP) 67 standards</u>;</p> <p>M2.5 be monocular style that is operated with the handle held in a vertical (upright) position;</p> <p>M2.6 have tripod-mount capability; and</p> <p>M2.7 be of one (1) piece construction so that the handle is an integral/non-removable part of the LASER device body</p> <p>M2.8 include a carrying case with handle that is Ingress Protection (IP) 54 rated and lockable</p> <p>M2.9 A LASER device battery system which includes the required batteries to operate the device</p> | | |
| M3 | <p>CONTROL FUNCTIONS</p> <p>The LASER must:</p> <p>M3.1 have minimum and maximum range settings;</p> <p>M3.2 have menu control buttons located on the back panel of the device, facing the operator;</p> <p>M3.3 have an ON/OFF button which may be an</p> | | |



| | | | |
|------------------|--|--|--|
| | <p>independent button or be incorporated into the trigger on the LASER device; and</p> <p>M3.4 The LASER device shall have an audible aiming tone with the following functionality: a) An intermittent audible tone when target is being tracked; and b) A continuous audible tone when target is acquired.</p> <p>M3.5 have an inclement/weather menu option;</p> <p>M3.6 display the speed and distance measurement to the operator by way of a "heads-up-display" within the sighting scope. These measurements shall also be displayed on the LED/LCD display; and</p> <p>M3.7 include an anti-jamming feature that is designed to combat jamming devices.</p> | | |
| <p>M4</p> | <p>RADIO FREQUENCY REQUIREMENTS</p> <p>The LASER must:</p> <p>M4.1 eliminate the effects of radio frequency disturbances and provide protection for police radio and cellular modem used and/or installed in a vehicle*.</p> <p>M4.2 provide protection within the following ranges: M4.2.1 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</p> <p>M4.2.2 Cellular Frequency Ranges: 700 MHz band; 824 to 849 MHz; 869 to 894 MHz; 1850 to 1910 MHz; 1930 to 1990 MHz.</p> <p>M4.3 meet <u>ICES-001</u> & <u>003</u> standards:</p> <p><i>* If any such disturbances are found during the 1st Article Testing, the Standing Offer Holder will have thirty (30) days to correct the problem and return to the RCMP a modified LASER device for final testing.</i></p> | | |
| <p>M5</p> | <p>Each laser device supplied must include the following:</p> <p>M. 5.1 A carry case that is IP54 rated, lockable,</p> | | |



| | | | |
|-----------|--|---|--|
| | and with a handle; and M. 5.2 A LASER device battery system which includes the required batteries to operate the device | | |
| M6 | M6.1 The offeror shall provide a Canadian facility which will be capable of providing a repair / exchange service for defective units and components. M6.2 The maximum time for repairs to be completed is fourteen (14) days after the unit is received at the repair / exchange facility. | Compliance statement containing physical address of facility. | |

INSERT:

ANNEX D MANDATORY CRITERIA

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In their proposals, Offerors must demonstrate in writing they meet the following mandatory criteria. Failure to meet any of the mandatory criteria will render the offer non-compliant and it will be given no further consideration. Links to web pages are not accepted and will be assessed a “NOT MET” rating.

Offerors must provide brochures, specification sheets, schematics, photos and/or other technical documentation that clearly demonstrates compliance with the criteria.

MAKE AND MODEL OFFERED: _____

| | CRITERIA | SUBSTANTIATION Please Cross Reference to Specific pages in your proposal [Completed by Offeror] | ASSESSMENT MET/ NOT MET [Completed by RCMP Evaluator] |
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| M1 | OPERATING REQUIREMENTS The LASER must: M1.1 accurately measure and display the speed of the targeted vehicle in kilometers per hour (km/hr); M1.2 display the speed of the targeted vehicle when multiple targets are within range of the LASER device; | | |



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| | <p>M1.3 utilize a manual mode of locking a target speed;</p> <p>M1.4 be capable of displaying range from the LASER device to the target vehicle in tenths of a meter;</p> <p>M1.5 have the ability to differentiate target vehicles which are either approaching or receding from the LASER device and must display to the operator whether the target vehicle is approaching or receding;</p> <p>M1.6 have batteries able to power the device for at least eight (8) hours of continuous operation; and</p> <p>M1.7 be able to operate to a distance of at least 1828m (6000ft).</p> | | |
| <p>M2</p> | <p>PHYSICAL REQUIREMENTS</p> <p>The LASER must:</p> <p>M2.1 not exceed the dimensions of 28.0 cm L x 11.5 cm W x 27.0 cm H including the handle;</p> <p>M2.2 not exceed 2.0 kilograms (including the battery);</p> <p>M2.3 have housing features to protect the device in the event of a 1.5 meter fall to the ground;</p> <p>M2.4 meet or exceed water and dust <u>Ingress Protection (IP) 67 standards</u>;</p> <p>M2.5 be monocular style that is operated with the handle held in a vertical (upright) position;</p> <p>M2.6 have tripod-mount capability; and</p> <p>M2.7 be of one (1) piece construction so that the handle is an integral/non-removable part of the LASER device body</p> <p>M2.8 include a carrying case with handle that is</p> | | |



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| | Ingress Protection (IP) 54 rated and lockable M2.9 A LASER device battery system which includes the required batteries to operate the device | | |
| M3 | <p>CONTROL FUNCTIONS</p> <p>The LASER must:</p> <p>M3.1 have minimum and maximum range settings;</p> <p>M3.2 have menu control buttons located on the back panel of the device, facing the operator;</p> <p>M3.3 have an ON/OFF button which may be an independent button or be incorporated into the trigger on the LASER device; and</p> <p>M3.4 The LASER device shall have an audible aiming tone with the following functionality: a) An intermittent audible tone when target is being tracked; and b) A continuous audible tone when target is acquired.</p> <p>M3.5 have an inclement/weather menu option;</p> <p>M3.6 display the speed or distance measurement to the operator by way of a "heads-up-display" within the sighting scope. These measurements shall also be displayed on the LED/LCD display; and</p> <p>M3.7 include an anti-jamming feature that is designed to combat jamming devices.</p> | | |
| M4 | <p>RADIO FREQUENCY REQUIREMENTS</p> <p>The LASER must:</p> <p>M4.1 eliminate the effects of radio frequency disturbances and provide protection for police radio and cellular modem used and/or installed in a vehicle*.</p> <p>M4.2 provide protection within the following ranges: M4.2.1 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</p> <p>M4.2.2 Cellular Frequency Ranges: 700 MHz</p> | | |



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| | <p>band; 824 to 849 MHz; 869 to 894 MHz; 1850 to 1910 MHz; 1930 to 1990 MHz.</p> <p>M4.3 meet <u>ICES-001</u> & <u>003</u> standards:</p> <p><i>* If any such disturbances are found during the 1st Article Testing, the Standing Offer Holder will have thirty (30) days to correct the problem and return to the RCMP a modified LASER device for final testing.</i></p> | | |
| M5 | <p>Each laser device supplied must include the following:</p> <p>M. 5.1 A carry case that is IP54 rated, lockable, and with a handle; and</p> <p>M. 5.2 A LASER device battery system which includes the required batteries to operate the device</p> | | |
| M6 | <p>M6.1 The offeror shall provide a Canadian facility which will be capable of providing a repair / exchange service for defective units and components.</p> <p>M6.2 The maximum time for repairs to be completed is fourteen (14) days after the unit is received at the repair / exchange facility.</p> | <p>Compliance statement containing physical address of facility.</p> | |