



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions
→ TPSGC
10th Floor, 4900 Yonge Street /
10e étage, 4900 rue Yonge
Toronto
Ontario
M2N 6A6

**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
Public Works and Government Services Canada
Ontario Region
10th Floor, 4900 Yonge Street
Toronto
Ontario
M2N 6A6

Title - Sujet Expedient Explosive Detectors	
Solicitation No. - N° de l'invitation W6399-19KH19/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client W6399-19KH19	Date 2019-09-13
GETS Reference No. - N° de référence de SEAG PW-\$TOR-008-7805	
File No. - N° de dossier TOR-9-42029 (008)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-10-07	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Leslie, Sandra	Buyer Id - Id de l'acheteur tor008
Telephone No. - N° de téléphone (416) 575-8256 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° 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

Amendment 002 is being issued to;

1. Extend the bid closing date;
2. Respond to bidder questions; and
3. Make changes to solicitation

1. EXTEND THE BID CLOSING DATE

FROM: 14:00 PM (EDT) on 2019-09-23
TO: 14:00 PM (EDT) on 2019-10-07

2. QUESTIONS AND ANSWERS

QUESTION 1: Page 15 of 38, 2.0 Deliverables b) quantity one (1) copy of all system software on a CD. What exactly is DND expecting to receive for this item?

ANSWER 1: DND is expecting to receive a CD/DVD (or possibly other storage media such as a USB stick) with all of the system operating software on it, if it is possible to do so for the OEM. This is so that we can reimagine the device in house if it is possible to do so.

QUESTION 2: Weight 24 lbs or less – Please confirm why there is a weight restriction on a tabletop unit? While we understand a weight constriction on a hand held unit but don't understand for a table top – Please confirm if 27 lbs is acceptable.

ANSWER 2: Up to 27lbs is acceptable (See changes below.).

QUESTION 3: c) dimensional constraints

Height 15" or less

Width 17" or less

Depth 13" or less

Is depth considered length?

Please confirm if a depth or length of 19.5" is acceptable

ANSWER 3: A depth of 19.5" is acceptable (See changes below).

QUESTION 4: 2.2.4 Start up

The EED-L2 must be ready for use within 10 minutes of start up

Our solution uses a dual tube design, despite the disadvantage of requiring additional warm up time, is actually better in terms of detection capability and operational efficiency in the field

Please confirm if ready for use within 20 minutes is acceptable.

ANSWER 4: Ready for use within 20 minutes is acceptable (See changes below).

QUESTION 5: ANNEX F Page 31/38

1.1 Bid Documentation

4. Please clarify if the Bidders does not need to submit the supporting documentation at bid closing but rather within 2 business days of notification by PWGSC Contracting Authority.

ANSWER 5: Bidders must submit supporting documents at bid closing (See changes below).

3. MAKE CHANGES TO SOLICITATION

At ANNEX A-1 PERFORMANCE AND TECHNICAL SPECIFICATIONS

DELETE: ANNEX A-1 PERFORMANCE AND TECHNICAL SPECIFICATIONS in its entirety

INSERT: ANNEX A-1 PERFORMANCE AND TECHNICAL SPECIFICATIONS

1.0 SCOPE

1.1 General

This specification outlines the operational performance and technical requirements for the Expedient Explosive Detector- Level II (EED-L2).

1.2 Acronyms

ANSI	American National Standards Institute
DNT	Dinitrotoluene
EED-L2	Expedient Explosive Detector- Level II
EGDN	Ethylene Glycol Dinitrate
ETN	Erythritol Tetranitrate
HMTD	Hexamethylenetriperoxidodiamine
HMX	Cyclotetramethylenetetranitramine
IEC	International Electrotechnical Commission
IP	Ingress Protection
LOD	Level of Detection
MDMA	3,4 Methylenedioxymethamphetamine
PC	Personal Computer
PETN	Pentaerythrite Tetranitrate
RDX	Research Department Explosive
TATP	Triacetone Triperoxide
THC	Tetrahydrocannabinol
TNT	Trinitrotoluene
USB	Universal Serial Bus
VAC	Volts, Alternating Current
VDC	Volts, Direct Current

1.3 Applicable Documents

The following documents form part of this specification to the extent specified and are supportive of this specification when referenced. In the event of a conflict between the documents and the contents of this specification, then the contents of this specification must take precedence.

- ANSI/IEC 60529-2004 Degrees of Protection Provided by Enclosures (IP Codes) (www.ansi.org)

2.0 REQUIREMENTS

2.1 Operational Requirements

The EED-L2:

- Must be designed for tabletop use;
- Must have a weight (in operational configuration) of 27 lbs, or less; and,
- Must (in operational configuration) meet the following dimensional constraints:

- i. Height: 15" or less;
- ii. Width: 17" or less; and
- iii. Depth: 19.5" or less.

2.2 Technical Requirements

2.2.1 Detection and Identification

2.2.1.1 General

The EED-L2:

- a. Must use ion-mobility spectrometry as its means of detection and identification; and
- b. Must detect and identify explosive particulates.

2.2.1.2 Library

- a. The EED-L2 must detect and identify the following explosive compounds, at their respective Levels of Detection (LOD) listed with each:

- iv. RDX, 1 ng;
- v. PETN, 1 ng;
- vi. TNT, 0.5 ng;
- vii. DNT, 10 ng;
- viii. Ammonium Nitrate, 50 ng;
- ix. Urea Nitrate, 100 ng;
- x. HMTD, 50 ng;
- xi. HMX, 5 ng;
- xii. TATP, 50 ng;
- xiii. NG, 2 ng;
- xiv. Black powder/Sulphur, 100 ng;
- xv. Tetryl, 5 ng;
- xvi. ETN, 10 ng; and
- xvii. EGDN, 100 ng.

- b. The EED-L2 must detect and identify the following drugs, at the respective LOD listed with each:

- xviii. Fentanyl, 2 ng;
- xix. Amphetimine, 10 ng;
- xx. Ephedine, 10 ng;
- xxi. Ketamine, 5 ng;
- xxii. 3,4 Methylenedioxy-N-Ethylamphetamine (MDEA), 10 ng;
- xxiii. 3,4 Methylenedioxymethamphetamine (MDMA), 10 ng;
- xxiv. Morphine, 10 ng;
- xxv. THC, 4 ng;
- xxvi. Tramadol, 10 ng;
- xxvii. Heroin, 10 ng;
- xxviii. Cocaine, 4 ng;
- xxix. Methamphetamine, 4 ng; and,

xxx. Lysergic Acid Diethylamide (LSD), 10 ng.

- c. The EED-L2 must have a library expandable by the user (i.e. it would not have to be sent back to the factory or seller).

2.2.1.3 Detection Time

Must complete its detection and identification of items listed in section 2.2.1.2 a. and b. in 12 seconds or less.

2.2.2 Alarm

The EED-L2 must have an audible alarm for when explosives or drugs are detected.

2.2.3 Self-Testing

The EED-L2 must:

- a. Self-monitor on an ongoing basis for software, electronic, and mechanical faults and/or failures, and alert the operator to any which occur, via visible or audible alerts; and
b. Perform a confidence test.

2.2.4 Start Up

The EED-L2 must ready for use within 20 minutes of startup.

2.2.5 Ruggedness/Environmental

The EED-L2;

- a. Must operate in ambient temperatures from 0° to +35° C, while meeting all other performance parameters outlined in this specification;
b. Must be storable in temperatures ranging from -20 to +50° C without damage or changes in performance; and,
c. Must operate in humidity up to 95% (non-condensing), or higher, while meeting all other performance parameters outlined in this specification.

2.2.6 Power

- a. The EED-L2 must be powered by both of the following:

xxxi. 100 – 240 VAC; and,
xxxii. Rechargeable batteries

- b. The EED-L2 must be powered for at least 1 hour of active use from its batteries on a single charge.

2.2.7 Data

The EED-L2:

- a. Must store a minimum of 100,000 sample results;

- b. Must connect to a PC (i.e. data transfer); and,
- c. Must transfer results to a PC for analysis.

2.2.8 Transportation Case

The carrying case for the EED-L2:

- a. Must be made of rigid plastic;
- b. Must be ruggedized; and
- c. Must include foam liners to prevent damage to the EED-L2 and its ancillary equipment during transport.

2.2.9 Equipment Configuration

Each EED-L2 kit must include the following:

- a. Qty. one (1) detector/identifier, which meets the requirements of sections 2.2.1 to 2.2.7 of this annex;
- b. Sufficient consumables and component parts for five-thousand (5,000) samplings;
- c. Qty. one (1) set of equipment for periodic testing of the identification capability, etc. as applicable to meet the requirements of this specification;
- d. Qty. one (1) hardware for connecting to a PC (if applicable);
- e. Qty. one (1) power cable;
- f. Any other items required for the use of the instrument; and

Qty. one (1) transportation case, which meets the requirements of section 2.2.8 of this annex.

AT ANNEX F TECHNICAL EVALUATION

DELETE: Annex F Technical Evaluation in its entirety

INSERT: Annex F Technical Evaluation

1.1 Bid Documentation

The Bidder must provide the following documentation:

- a. A completed Compliance Matrix (Table 1);
- b. Proof of compliance and Written Confirmations as specified in Table 1. The following are the types of proof of compliance used in this evaluation.
 1. Written Confirmation (1): a written statement from the Bidder, signed by an authorized company representative, guaranteeing it fully complies with the requirement identified in the "Requirement" column of Table 1. Canada reserves the right to verify the statements made in the Written Confirmation;
 2. Description of evidence (2): the Bidder must indicate the performance of the proposed system and provide a description of how the evaluation criteria is met, supported with evidence in the form of relevant extracts from product specifications, manuals, pictures, screen shots, mathematical derivations/calculations, sample data outputs, certificates, test reports or other such supporting documentation. This will be accompanied by an explanation that confirms full compliance with the criterion.

3. Results of performance tests (3): the Bidder must provide a laboratory analysis of the product offered, showing complete test results, or a summary of the complete test results, that confirms that the product meets the requirement specified.
4. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the solicitation document.
5. Failure to meet each performance specification will result in the bid being deemed nonresponsive, and be given no further consideration.

2.0 MANDATORY REQUIREMENTS

Table 1: Compliance Matrix

Item #	Annex A-1 Reference	Requirement	Proof of Compliance	Page Reference
Expertise and Proven Design				
M1	N/A	The Bidder must be an established manufacturer or Authorized Representative of a manufacturer of electronic chemical detection and identification devices that has significant experience in their development and manufacture as follows: <ol style="list-style-type: none"> a. Manufacturer Qualifications –the manufacturer must have been in the business of developing, manufacturing and selling electronic chemical detection and identification devices for a minimum of five (5) years. 	The Bidder must provide: Written Confirmation ⁽¹⁾ from the manufacturer of the proposed product that they have been in the business of developing, manufacturing and/or selling electronic chemical detection and identification devices for a minimum of five (5) years;	
		<ol style="list-style-type: none"> b. The Bidder must have sold electronic chemical detection and identification devices or electronic laboratory equipment to a government organization. 	The Bidder must provide: Name of government organization with whom the bidder has supplied chemical detection and identification devices or electronic laboratory equipment, along with date.	
Operational Requirements				
2	2.1	The EED-L2: <ol style="list-style-type: none"> a. Must be designed for tabletop use; b. Must have a weight (in operational configuration) of 27 lbs, or less; and c. Must (in operational configuration) meet the following dimensional constraints: Height: 15" or less; Width: 17" or less; and Depth: 19.5" or less. 	For <u>each</u> of the requirements in 2.1, the bidder must give Written Confirmation ⁽¹⁾ that the product being bid is compliant.	

<u>Detection and Identification</u>				
3	2.2.1.1	<p>The EED-L2:</p> <p>a. Must use ion-mobility spectrometry as its means of detection and identification;</p> <p>b. Must detect and identify explosive particulates.</p>	<p>For the requirement, the bidder must give a Description of the Evidence⁽²⁾ that the product being bid meets the performance requirement specified.</p> <p>For the requirement, the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirement specified.</p>	
4	2.2.1.2	<p>a. The EED-L2 must detect and identify the following explosive compounds, at their respective Levels of Detection (LOD) listed with each:</p> <p>(1) RDX, 1 ng; (2) PETN, 1 ng; (3) TNT, 0.5 ng; (4) DNT, 10 ng; (5) Ammonium Nitrate, 50 ng; (6) Urea Nitrate, 100 ng; (7) HMTD, 50 ng; (8) HMX, 5 ng; (9) TATP, 50 ng; (10) NG, 2 ng; (11) Black powder/Sulphur, 100 ng; (12) Tetryl, 5 ng; (13) ETN, 10 ng; and (14) EGDN, 100 ng.</p>	<p>For each of the requirements (1 to 14), the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirements specified.</p>	
5	2.2.1.2	<p>The EED-L2 must detect and identify the following drugs, at the respective LOD listed with each:</p> <p>(1) Fentanyl, 2 ng; (2) Amphetimine, 10 ng; (3) Ephedine, 10 ng; (4) Ketamine, 5 ng; (5) 3,4 Methylenedioxy-N-Ethylamphetamine (MDEA), 10 ng; (6) 3,4 Methylenedioxymethamphetamine (MDMA), 10 ng; (7) Morphine, 10 ng; (8) THC, 4 ng;</p>	<p>For each of the requirements (1 to 13) the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirements specified.</p>	

		(9) Tramadol, 10 ng; (10) Heroin, 10 ng; (11) Cocaine, 4 ng; (12) Methamphetamine, 4 ng; and, (13) Lysergic Acid Diethylamide (LSD), 10 ng.		
6		a. The EED-L2 must have a library expandable by the user (i.e. it would not have to be sent back to the factory or seller).	For the requirement, the bidder must give a Description of the Evidence ⁽²⁾ that the product being bid meets the performance requirement specified.	
<u>Detection Time</u>				
7		The EED-L2: Must complete its detection and identification of items listed in section 2.2.1.2 a. and b. if applicable, in 12 seconds or less.	For the requirement, the Bidder must provide Results of Performance Tests ⁽³⁾ that confirm the bidder's product has been tested and is compliant	
<u>Alarm</u>				
8	2.2.2	The EED-L2 must have an audible alarm for when explosives or drugs are detected.	For the requirement, the bidder must give Written Confirmation ⁽¹⁾ that the product being bid is compliant.	
<u>Self-Testing</u>				
9	2.2.3	The EED-L2 must: 1. Self-monitor on an ongoing basis for software, electronic, and mechanical faults and/or failures, and alert the operator to any which occur, via visible or audible alerts; and, 2. Perform a confidence test.	For the requirement, the bidder must give a Description of the Evidence ⁽²⁾ that the product being bid meets the performance requirement specified. For the requirement, the bidder must give a Description of the Evidence ⁽²⁾ that the product being bid meets the performance requirement specified.	
<u>Start Up</u>				
10	2.2.4	The EED-L2 must be ready for use within 20 minutes of start up.	For the requirement, the Bidder must provide Results of Performance Tests ⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection	

			performance requirements specified.	
<u>Ruggedness/Environmental</u>				
11	2.2.5	<p>The EED-L2;</p> <p>a. Must operate in ambient temperatures from 0° to +35° C, while meeting all other performance parameters outlined in this specification;</p> <p>b. Must be storable in temperatures ranging from -20° to +50° C without damage or changes in performance; and,</p> <p>c. Must operate in humidity up to 95% (non-condensing), or higher, while meeting all other performance parameters outlined in this specification.</p>	<p>For the requirement, the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirements specified.</p> <p>For the requirement, the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirements specified.</p> <p>For the requirement, the Bidder must provide Results of Performance Tests⁽³⁾ that confirm the bidder's product has been tested and is compliant with the detection performance requirements specified.</p>	
<u>Power</u>				
12	2.2.6	<p>a. The EED-L2 must be powered by both of the following:</p> <p>(1) 100 – 240 VAC; and</p> <p>(2) Rechargeable batteries.</p> <p>b. The EED-L2 must be powered for at least 1 hour of active use from its batteries on a single charge.</p>	<p>For the requirement, the bidder must give Written Confirmation⁽¹⁾ that the product being bid is compliant.</p> <p>For the requirement, the bidder must give a Description of the Evidence⁽²⁾ that the product being bid meets the performance requirement specified.</p>	

<u>Data</u>				
13	2.2.7	<p>The EED-L2:</p> <p>a. Must store a minimum of 100,000 sample results;</p> <p>b. Must connect to a PC (i.e. data transfer); and,</p> <p>c. Must transfer results to a PC for analysis.</p>	<p>For the requirement, the bidder must give a Description of the Evidence⁽²⁾ that the product being bid meets the performance requirement specified.</p> <p>For the requirement, the bidder must give a Description of the Evidence⁽²⁾ that the product being bid meets the performance requirement specified.</p> <p>For the requirement, the bidder must give a Description of the Evidence⁽²⁾ that the product being bid meets the performance requirement specified.</p>	
<u>Transportation Case</u>				
14	2.2.8	<p>The carrying case for the EED-L2:</p> <p>a. Must be made of rigid plastic;</p> <p>b. Must be ruggedized; and</p> <p>c. Must include foam liners to prevent damage to the EED-L2 and its ancillary equipment during transport.</p>	<p>For the requirement, the bidder must give Written Confirmation⁽¹⁾ that the product being bid is compliant.</p> <p>For the requirement, the bidder must give Written Confirmation⁽¹⁾ that the product being bid is compliant.</p> <p>For the requirement, the bidder must give Written Confirmation⁽¹⁾ that the product being bid is compliant.</p>	
15	2.2.9	<p>Each EED-L2 kit must include the following:</p> <p>a. Qty. one (1) detector/identifier, which meets the requirements of sections 2.2.1 to 2.2.7 of Annex A-1;</p>	<p>For the requirement, the bidder must give Written Confirmation⁽¹⁾ that the</p>	

Solicitation No. - N° de l'invitation
W6399-19KH19/A
Client Ref. No. - N° de réf. du client
W6399-19KH19

Amd. No. - N° de la modif.
002
File No. - N° du dossier
TOR-9-42029

Buyer ID - Id de l'acheteur
TOR008
CCC No./N° CCC - FMS No./N°VME

		<ul style="list-style-type: none">b. Sufficient consumables for one-thousand (1000) samplings;c. Qty. one (1) set of equipment for periodic testing of the identification capability, etc. as applicable to meet the requirements of this specification;d. Qty. one (1) hardware for connecting to a PC (if applicable);e. Qty. one (1) set of rechargeable batteries;f. Qty. one (1) power cable;g. Qty. one (1) operator manual (both hard and soft copies);h. Qty. one (1) maintenance manual (both hard and soft copies);i. Any other items required for the use of the instrument; andj. Qty. one (1) transportation case, which meets the requirements of section 2.2.8 of Annex A-1.	product being bid is compliant.	
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