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NA
Ontario

**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 Stationary Infantry Targets	
Solicitation No. - N° de l'invitation W3508-220220/B	Amendment No. - N° modif. 008
Client Reference No. - N° de référence du client W3508-22-0220	Date 2022-08-03
GETS Reference No. - N° de référence de SEAG PW-\$TOR-223-8232	
File No. - N° de dossier TOR-1-44139 (223)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2022-08-08 Heure Avancée de l'Est HAE	
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: Cheng, Sabrina	Buyer Id - Id de l'acheteur tor223
Telephone No. - N° de téléphone (647) 619-3845 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: 4th Canadian Division Training Centre 139152 Grey Road 112 Meaford, ON N4L 0A1	

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

SOLICITATION AMENDMENT No. 008

This solicitation amendment No. 008 is raised to:

- 1) Publish question and answer that have been received in relation to this solicitation; and
- 2) Amend the solicitation.

- 1) The following Questions and Answers have been provided:

QUESTION 1:

"Are the 20 consumable targets to be supplied along with all of the target mechanisms / batteries etc.? These consumable targets are not covered under a warranty as they are designed to be used and discarded. Also, there is no mention of purchasing more of the consumable items. Is that by design or omission?"

ANSWER 1:

"We are asking for an initial 20 consumable targets to be supplied with the systems, and that the systems be supplied with batteries. It is by design that we have not mentioned further purchases of consumables."

QUESTION 2:

"Are we expected to supply two different types of target holders? One for the Standard CAF target and one for the three dimensional "Ivan" style target? Is your intention only to use the three-dimensional targets in the future?"

ANSWER 2:

"It is expected to supply target holders for the Ivan target only."

QUESTION 3:

"Please clarify that the batteries are considered consumables and are not covered under the 5-year warranty?"

ANSWER 3:

"Acknowledged that batteries are not covered under the 5 year warranty."

QUESTION 4:

"Will there be a need for a local electrician to be on site to connect the new 120VAC main power wiring circuits or connections to existing circuits?"

ANSWER 4:

"The chargers must be compatible with the NEMA 5-15 receptacle, which is the standard 120VAC, 15 Amp electrical receptacle in North America."

QUESTION 5:

"As 3D Targets will be specific to the mechanized base unit, will the 3D targets be purchased individually in the future? These products are considered consumables (will have a standard Manufacturer warranty) and will not be covered under the extended 5 year warranty."

ANSWER 5:

"We will require the base units to be compatible with the "3-D Mannequin, Target", NSN 6920-01-449-7224 or 6920-01-164-9625."

QUESTION 6:

"At Annex A: Statement of Work, Section 8.2 Training, please clarify sub-sections 8.2.1: Provide one (1) on-site training for 10 people... and

8.2.6: *The length of training is a minimum of 2 days ...*

ANSWER 6:

“There is to be 1 on-site training session for 10 people, conducted over a minimum of 2 days.”

2) Solicitation Amendment:

2a) At Annex A: Statement of Requirement, Sub-section 5.3.4 Power Rating

Delete: Chargers: maximum 120 VAC, 15 amp.

Insert: Chargers must be compatible with the NEMA 5-15 receptacle, which is the standard 120VAC, 15 Amp electrical receptacle in North America.

2b) At Annex A: Statement of Requirement, Section 6.2 Warranty

Delete: The Contractor must provide warranty on all parts, components and Special Tools and Equipment (STE), including labour and shipping costs. The Contractor must also provide a five (5) year warranty on all parts, components and Special Tools and Equipment (STE), including labour and shipping cost. The five (5) warranty begins on the date of acceptance. Routine maintenance and minor repairs will be handled by the client. Routine maintenance and minor repairs defined as not including resolving major component failure, factory defects, and software problems.

Insert: The Contractor must provide warranty on all non-consumable components and Special Tools and Equipment (STE), including labour and shipping costs. The Contractor must also provide a five (5) year warranty on all non-consumable components and Special Tools and Equipment (STE), including labour and shipping cost. The five (5) warranty begins on the date of acceptance. Routine maintenance and minor repairs will be handled by the client. Routine maintenance and minor repairs defined as not including resolving major component failure, factory defects, and software problems.

2c) At Annex A: Statement of Requirement, Section 8.1 Additional Hardware, Sub-section 8.1.1

Delete: 1 x Stationary Infantry Target (as per 5.1) with power supply.

Insert: 1 x Stationary Infantry Target (as per 5.1) with power supply; base unit only and not the consumable target.

2d) At Annex A: Statement of Requirement, Section 8.2 Training, Sub-section 8.2.1

Delete: Provide one (1) on-site training for 10 people at 4 CDTC for the operation and maintenance of the Stationary Infantry Target system. Training will include diagnostic analysis of problems to determine the cause of any malfunctions, and how to conduct minor repairs. Training must include at least one live fire range where all 10 personnel participating in the training will be trained on the operation of the targets systems.

Insert: Provide one (1) on-site training session for 10 people, conducted over a minimum of two (2) days at 4 CDTC for the operation and maintenance of the Stationary Infantry Target system. Training will include diagnostic analysis of problems to determine the cause of any malfunctions, and how to conduct minor repairs. Training must include at least one live fire range where all 10 personnel participating in the training will be trained on the operation of the targets systems. A typical training day is from 0800 to 1700.

2e) At Annex A: Statement of Requirement, Sub-section 8.2.6

Delete: in its entirety.

2f) At Annex A: Statement of Requirement

Delete: in its entirety; and

Insert: Annex A Statement of Requirement (revision 4) (see below)

Solicitation No. - N° de l'invitation
W3508-220220/B
Client Ref. No. - N° de réf. du client
W3508-220220

Amd. No. - N° de la modif.
008
File No. - N° du dossier
TOR-1-44139

Buyer ID - Id de l'acheteur
TOR223
CCC No./N° CCC - FMS No./N° VME

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

ANNEX "A"

STATEMENT OF REQUIREMENT (revision 4)

1. TITLE

STATIONARY INFANTRY TARGETING SYSTEM

2. PURPOSE

Department of National Defence (DND) requires the supply, delivery, training and on-going maintenance support of twenty (20) Stationary Infantry Target Systems (SITS). The SITS will be used to support individual and collective training of dismounted Canadian Army (CA) personnel during live small arms ranges at 4th Canadian Division Training Centre (4 CDTC).

3. BACKGROUND

The use of Stationary Infantry Targets is a requirement for the conduct of the Development Period 1 Infantry Solider course, and is a valuable training asset for numerous other soldier training courses, and individual and collective exercises. The current Stationary Infantry Target system employed by 4 CDTC is beyond economical repair (BER) with components that are not currently manufactured, making the system practically impossible to maintain except via cannibalizing parts from within the system. The current Stationary Infantry Target system must be life-cycled to ensure support of training at 4 CDTC.

4. SCOPE OF WORK

The Contractor must supply a minimum of 20 Stationary Infantry Target Systems, 2 hand controllers, and maintenance support services that meet each of the requirement specifications identified below.

5. MANDATORY TECHNICAL SPECIFICATIONS

The Contractor must meet each of the following specifications:

5.1. Stationary Infantry Targets

5.1.1. Description

- 5.1.1.1. At a minimum, the SIT must raise the target from a horizontal position to a vertical position, in less than 2 seconds.
- 5.1.1.2. Each target system must include each of the following items; the main assembly, power supplies, chargers, and any tooling required for set up and operation.

5.1.2. Acceptable Types of Targets

The 3D target silhouette must:

- a) be manufactured of rubber rubber and/ or a polymer type of material;
- b) resemble an adult military combatant;
- c) have a three dimensional shape; and
- d) withstand a minimum of 1000 impacts of 5.56 calibre ammunition.

5.1.3. Must accommodate minimum Ammunition and Calibre Types of each of the following

- a) 5.56 × 45 mm (.223 Remington)
- b) 7.62 × 51 mm (.308 Winchester)
- c) 9 × 19 mm (9 mm Parabellum)

5.1.4. Weight

Each target must not more than 50 kgs (110.2 lbs) each (without power supply).

5.1.5. Temperature Tolerance

Targets must operate within the following Minimum Temperatures: Operation -20°C to +40°C

5.1.6. Wind Tolerance

Must withstand minimum wind speeds up to 40 kph (28 mph) (steady and gusts)

5.1.7. Dimensions

Must not be greater than 914mm (36") L x 609.6mm (24") W x 609.6mm (24") H, without the attached target.

5.1.8. Simulators

Must include 'drop when hit' feature for each target.

5.2. Controllers

5.2.1. Description

Controllers must permit the programming of the target systems and controlling their operation (initiating the rotation) during live ranges via a wireless connection (i.e. radio transmission).

5.2.2. Quantity

Minimum of 2 x controllers must be delivered, with each controlling a minimum of 20 targets at once.

5.2.3. Weight

The controller must be handheld.

5.2.4. Range

Minimum 300m within closed terrain (trees, brush, etc.), and minimum of 1000m in open terrain (fields).

5.2.5. Water resistance

Must be resistant to precipitation.

5.2.6. Ruggedized

Must be drop safe onto compacted ground from a height of 4 Feet.

5.2.7. Display Requirements

Must be readable in direct sun and indicate when targets are hit.

5.3. Power Supplies and Chargers

5.3.1. Description

Each target system and controller must have an independent, cordless, power supply that is rechargeable.

5.3.2. Charging Stations

Must provide enough charging station(s) to accommodate 20 power supplies at one time.

5.3.3. Weight

Be handheld.

5.3.4. Power Rating

Chargers must be compatible with the NEMA 5-15 receptacle, which is the standard 120VAC, 15 Amp electrical receptacle in North America.

5.3.5. Charge Life

Minimum of 12 hours and a minimum of 80 lift/fall cycles.

6. TASKS AND DELIVERABLES

6.1. Operations and Maintenance Manuals

Must deliver 2 printed copies and one electronic copy that is in a searchable portable document format for both the Operation Manuals and the Maintenance Manuals for each of the Targets, Controllers and Power Supplies and Chargers. The manuals must clearly describe, using text and diagrams/pictures, the operation and the maintenance of all components of the Stationary Infantry Target system and must be in English.

6.2. Warranty

The Contractor must provide warranty on all non-consumable components and Special Tools and Equipment (STE), including labour and shipping costs. The Contractor must also provide a five (5) year warranty on all non-consumable components and Special Tools and Equipment (STE), including labour and shipping cost. The five (5) warranty begins on the date of acceptance. Routine maintenance and minor repairs will be handled by the client. Routine maintenance and minor repairs defined as not including resolving major component failure, factory defects, and software problems.

6.3. Support

The Contractor must provide Technical Support for the Stationary Infantry Target system, its components and STE, for the duration of the Contract via e-mail and telephone to assist with the operation, preventative and corrective maintenance and repairs at minimum Monday – Friday during business hours of 0800 hours to 1600 hours (Eastern Time).

7. DELIVERY

The Stationary Infantry Target systems as described above with all components and documentation is to be delivered to:

4th Canadian Division Training Centre
139152 Grey Rd 112
Meaford, ON N4L 0A1

8. OPTIONAL GOODS AND SERVICES

The Contractor must provide the following optional goods and services available to purchase for the Stationary Infantry Targets:

8.1. Additional Hardware

8.1.1. 1 x Stationary Infantry Target (as per 5.1) with power supply; base unit only and not the consumable target.

8.1.2. 1 x Hand controller (as per 5.2) with power supply.

8.1.3. 1 x Charging station.

8.1.4. 1 x Power supply for target system

8.1.5. 1 x Power supply for hand controller.

8.2. Training

8.2.1. Provide one (1) on-site training session for 10 people, conducted over a minimum of two (2) days at 4 CDTC for the operation and maintenance of the Stationary Infantry Target system. Training will include diagnostic analysis of problems to determine the cause of any malfunctions, and how

to conduct minor repairs. Training must include at least one live fire range where all 10 personnel participating in the training will be trained on the operation of the targets systems. A typical training day is from 0800 to 1700.

- 8.2.2.** The contractor must provide its own laptop for presentations. There will be an option to connect it to the on-site projectors and speakers in a classroom(s).
- 8.2.3.** The Contractor will make all travel, accommodations, and meals arrangements for the trainer(s). Canada is not responsible to cover any travel, accommodation or meal related costs.
- 8.2.4.** Training must be conducted on the procured equipment.
- 8.2.5.** The language of Work is English.
- 8.2.6.** Training session is tentatively scheduled to occur with two (2) years after contract award. Firm dates to be negotiated with the Project Authority. A contract amendment will be issued once the date is confirmed.