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**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**

W8476-206313

PW-\$BLC-003-28215

**Vendor/Firm Name and Address**

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**

Light Armoured Vehicles Specialists Variants and Light  
Utility Vehicle Projects (LAV SVE & LUV)

Portage III 9C2 - 11, rue Laurier

Gatineau

Gatineau

K1A 0S5

<b>Title - Sujet</b> Light Utility Vehicle (LUV)	
<b>Solicitation No. - N° de l'invitation</b> W8476-206313/E	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> W8476-206313	<b>Date</b> 2022-07-26
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$BLC-003-28678	
<b>File No. - N° de dossier</b> 003blc.W8476-206313	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT <b>on - le 2022-07-29</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Da Costa, Jason	<b>Buyer Id - Id de l'acheteur</b> 003blc
<b>Telephone No. - N° de téléphone</b> (613) 863-2719 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
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<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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This Request for Information (RFI)/E Amendment 004 is intended to answer the following question submitted by industry.

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RFI – Round 3, amendment 004, as follows:

#### **Question 25**

Para 2.3 : CLAK. Unfortunately, there is not enough technical data in the description of the CLAK to start design work. Details such as weights, dimensions of reels, motor capacity are required. In addition, it is recommended that the requirement allow options for the CLAK to be vehicle or trailer mounted and for it to be moved to be offloaded to ground storage. We will provide a ROM for costing purposes in our reply to the RFI – but it is based on a large number of assumptions.

#### **Answer to question 25**

The CLAC is not finalized and there will be a requirement to relook at the specifications by the specialists. Attached is draft of Statement of Requirements from 2018 that details some of the basic details.

**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME**

# Statement of Requirements

## Cable Layer SEV replacement

### 1. INTRODUCTION

#### 1.1. Aim

The aim of this document is to state the operational requirement related to the need of a Cable Layer SEV replacement for operation by ACISS - Line System Technicians (LST) to deploy CIS efficiently and quickly in support of national or international operations.

#### 1.2 Objectives

The objective of this SOR is to provide the LVM and LUVF with the necessary requirements of a Cable Layer SEV replacement for placement within either project as deemed suitable. Requirements cover the replacement of the 122 x Cable Layer SEVs currently required within the CAF.

#### 1.3 Key Assumptions

1.3.1 Replacement Cable Layer SEV will adopt a similar “U” shaped service body layout as the current Cable Layer SEV (ECC 123125) or Truck Utility Line Maintenance 1 Tonne (ECC 143303) with open access to service platform deck from rear of vehicle.

1.3.2 Equipment Check List (ECL) for vehicle will be similar to existing ECL's S23456AA and S23456AB for the current LSVW Cable Layer SEV.

1.3.3 Service platform would measure minimally 108 inches long by 94 inches wide.

1.3.4 Vehicle will be capable of up armour to therefore utilize in hostile environments

1.3.5 Vehicle will be fully off-road capable.

1.3.6 Project will include cargo trailer with all vehicle platforms.

### 2.0 REQUIREMENTS

#### 2.1 General Vehicle requirements

2.1.1 Transport Line crew personnel including FFO and personal weapons

- Essential capability of min 3 personnel. Line crews are composed of 3 x personnel minimum.

2.1.2 Payload capacity of minimum 3300lbs.

- Sufficient capacity to facilitate personnel and equipment IAW current ECL's and requirements below regarding cable reel transport
- Additional payload capacity for vehicle armour addition in combat environments

2.1.3 Communications suite within vehicle with exterior speaker.

- Exterior speaker required during times personnel are working exterior of vehicle, ie service platform area repairing cable

2.1.4 Off-road capability for the purpose of installing tactical communications cables within a field environment.

- Single rear axle;
- Locking differential 4 wheel drive
- Raised suspension for off road clearance;
- Ideal clearance of 40 degree for both front and rear of vehicle from tires to bumpers;
- Front Bush guard;
- Engine and transmission skid plates;
- Fender clearance to allow for off road articulation of wheels; and
- Re-enforced rear bumper for off road protection.
- 2 x tow-hook points front and rear of vehicle

2.1.5 Engine

- Diesel
  - Fuel conservation when required to idle as a power source for service platform use.
- Horsepower minimum of 350HP
- Torque minimum of 400 ft lbs
- Provide sufficient power and torque along with towing capacity 5000lbs minimum.

2.1.6 Vehicle winch front and rear mounted (rated to match vehicle once specified, initial requirement is minimally 15,000lbs rated).

- Winch is required for installation of poles, heavy equipment, communications cables and is utilized in conjunction with other rigging equipment;

- Winch is additionally required for the purpose of self-recovery by line crew while performing their duties:
  - Line crews are often far from support of the Bde and in environments which hinder other forms of communications thus leaving them unable to notify recovery; and
  - Inability to self-recover would leave crews highly exposed and risk the completion of their mission critical objectives.

2.1.7 Sliding rear window. Required to accommodate open communications and visibility of personnel working on service body for safety and security.

- Depending on window size and overall design, possible requirement for guard to protect window from equipment load on service platform.

2.1.8 Tow capacity

- Dual purpose pintle hitch, ball and pintle to accommodate both military and civilian pattern vehicles;
- Trailer electrical connection, should accommodate civilian and military pattern trailer electrical connection, including electrical brake and ABS systems
- Capacity to tow project included trailer and civilian pattern trailer to a capacity of minimum 5000lbs.

2.1.9 \*Covered Trailer required to be able to transport additional line reels, equipment and materials. Trailer size equal to typical LSVW trailer currently utilized and determined through project scope. *Typical Bde EX can have up to 120 x reels of cable distributed.*

2.1.10 General and tactical vehicle lighting components to comply with Transport Canada regulations and tactical blackout driving.

2.1.11 Storage compartment or bin suitable for storage of camouflage netting and associated accessories including poles and spreaders.

- Required for tactical concealment of vehicle

2.1.12 Rifle mounts to accommodate personal weapons of each passenger within vehicle cab.

## 2.2 Service Body platform requirements

2.2.1 24V electrical system

- Accommodate winch and motorized Cable Reel Assembly;
- Accommodate light system within service platform and cabinets; and
- Breaker system IAW electrical codes to ensure user reset is possible.

### 2.2.2 Power inverter minimal 3000watt

- Use of powered tools is often required by Line crews for installation or repair of communications equipment and cabling Repair and termination kits for TFOCA fibre connectors requires use of ac heater/ovens to heat epoxy and complete termination;
- Crews have test equipment which requires charging over extended period of time fault finding tasks;
- Other power tools are utilized such as large power drills for drilling into poles (not achievable with cordless drill); and
- Minimum 4 x 120v 15amp outlets, 1 x outlet within cab of vehicle, 2 x outlets located on exterior forward end of service body, 1 x outlet located exterior rear of service body.

### 2.2.3 Cable Reel Assembly

*The cable reeler mechanism, typically is comprised of a cable reeler cabinet, a base and a swing arm assembly. Minimally the reel shaft on one side of the cable reeler cabinet is capable of powered pick-up and laying out of cable. The device allows for the manual or powered pick-up and laying out of cable, using all standard cable reels.*

- Pivotal Assembly which can rotate and lock:
  - Accommodate 360 degree directional layout or take up of tactical communications cables.
- Reel payout of minimal of 4 x reels at one time:
  - Rear of veh retractable/fold away reel axles x 2;
  - 
  - Permanent reel axles x 2 (1 x axle to be motorized);
  - Motorized axle for minimal x 1 axle;
  - Similar concept as current model; and
  - Reel axles may be two different sizes but must be Interchangeable and accept 7 inch or 17 inch wide reels with minimal weight of 28.5 kg
- Placement of Reel Assembly not to obstruct center of platform, preferred placement on Passenger side rear of platform for ease of visibility by vehicle driver; or storage to side and movement to center for utilizing. Current SEV layout obstructs ability to utilize platform for additional cargo or large items such as test set pelican style cases (NSN 6625-20-008-8259) (33 ½ in. x 18 in. x 28 ½ in.).
- 2 x Removable guide arms for mounting on front veh bumper, to guide cable install or pickup. Bar should be square to prevent twisting and have a large open loop eye of min 2 inches

- Minimum of 4 x manual handles for use on reel axles for manual cable recovery. Handles must be equivalent and interchangeable with NSN 3895-00-356-3937

*\*Current Assembly was plagued with motor/electrical issues due to water penetration*

#### 2.2.4 Storage of minimal 10 x tactical cable reels.

- Reels vary in width between three (3) current reel dimensions, seven (7) inch x 19 ¼ inch, 7 ¾ inch x 16 ½ inch and 17 ½ inch x 16 ½ inch;
- Reel weights are up to 28.5kg
- Requirement of a Line crew to deploy with sufficient quantity of cable without having to return to CP for resupply; and
- Drum Storage shall allow for minimum of 4 x 17 inch width drums at one time.

#### 2.2.5 Waterproof lockable storage system (w LED lights both white and blackout) on both sides with outside hinges

- Dimensions for compartments :
  - Minimum 2 x compartment 33 inch wide x 42 inch high x 24 inch deep, ideally located in forward end of service platform. Minimum of 3 adjustable height shelves per compartment rated for 100lbs each
  - Minimum 2 x compartment 46 inch wide x 22 inch high x 24 inch deep, ideally located over rear tire wells. Minimum of 1 adjustable height shelves per compartment rated for 100lbs each
  - Minimum 1 x compartment 24 inch wide x 42 inch high x 24 inch deep on rear driver side of veh. Minimum of 3 adjustable height shelves per compartment rated for 100lbs each
- Required for the secure storage of vehicle tool kit items and equipment;
- Required for storage of crew personally issued tools;
- Required for storage of individual climbing safety gear and Rescue Safety equipment:
  - Climbing gear is safety equipment and must be stored in compartment protected from outdoor elements.
  - Aerial rescue kit(NSN 4240-20-008-8415) is a requirement to have onsite IAW the CAF Fall Protection Policy C-63-040-000/TS-001
- Required for the secure storage of cable installation components and materials:
  - Many components and equipment is electronic based and must have waterproof storage available.

2.2.6 Lockable storage compartment for minimum 32 x line construction poles, 1 x crook stick and 1 x boom assembly IAW Checklists S23456AA and S23456AB.

- Poles are key component of cable infrastructure installations.
- Poles are 96 inch in length 1.5 inch in diameter;
- Pole storage is preferred to be within decking of service platform with access from rear of vehicle:
  - Approximate storage compartment dimensions 12.5 inches wide x 8 inches high x 97 inch deep
- Crook stick 84 inch overall length x 1.25 inch shaft x 6.125 inch hook one end; and
- Boom Assembly may be separate from above items and integrated within ladder storage.

2.2.7 Ladder storage compartment, lockable, to accommodate typical commercial 28ft extension ladder.

- Ladders are used in variety of cable installs to access structures and positions aloft. ie concrete poles often used in overseas installations;
- Dimensions – approximately 18inch wide x 10 inch high x 15 feet deep; and
- Storage compartment must be partially enclosed to prevent hook points by ladder during maneuvering of vehicle in off road scenarios and ease of concealment with camouflage netting.

2.2.8 Lockable tool storage compartment for long handle tools

- Minimal dimensions of 10 inch wide x 10 inch high x 72 inch deep
- Required for shovels, digging picks for trenching and direct burying of communications cables

2.2.9 Low profile orange LED beacon light

- Minimal class 1, an minimal 1600 lumens
- Protective steel cage or removable light;
- Removable fabric cover if permanently mounted;
- Required for roadside safety while performing duties in non-tactical environment; and
- Must be visible from front and rear of vehicle by approaching traffic and pedestrians:
  - May require to have 2 x lights for visibility and not obstruct vehicle height profile.

2.2.10 Exterior service platform LED lights



- Exterior lights for providing white and red light coverage to perform duties such as cable repair on service platform.
- Minimal 4 x 5000 lumens white/red colored LED lights to provide 360 degree coverage of vehicle including on service deck
  - On/off control from cab of vehicle and on each individual light
- Floor level white/red LED light strip on inter portion of service body for safety and tactical situations
  - On/off control from cab of vehicle and from rear cabinet of veh

2.2.11 Anti-slip grated decking on external platform surfaces.

- Platform is a work base where a worker will be present even when vehicle is in motion during installation of communications cables to manage the disbursement or take-up of cables. Work surface must be anti-slip grated surface to ease work in maintaining balance and security of self; and
- Top surfaces of cabinets and other flat surfaces of service body must be anti-slip to enable work aloft and installation of concealment materials ie camouflage netting

2.2.12 Fold away/retractable steps for access to service platform. Required to provide worker access to platform while maintaining off road clearance while in motion.

- Hand rails or grips to assist in mounting of rear of vehicle

2.2.13 six (6) x Flush to platform anchorage points on service platform deck

- provide means of securing loads; and
- to accommodate transport of large communications equipment including but not limited to equipment racks

2.2.16 Exterior rifle mounts for storage of personal weapons of vehicle occupants when working in vicinity of service platform.

2.2.15 Spare tire w/ necessary tools and equipment to change tire.

2.2.17 Storage for minimum 1 x 20L Military fuel (diesel) canister.