



National Defence

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

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

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

By e-mail to: - Par courriel au :
DLP53BidsReceiving.DAAT53Receptiondessoumissions@forces.gc.ca

Attention: - Attention :
Genevieve Roach
DLP 5-3-4-6

Title - Sujet DIESEL TRUCK FLAT-DECK 26FT, 4X4 CAMION DIESEL AVEC PLATE-FORME 26 PIEDS, 4X4		Amendment No. - N° modif. 002
Solicitation No. N° de l'invitation W8476-226583/B	Date of Amendment Date de modification June 30, 2022 – 30 juin 2022	
Address enquiries to: - Adresser toute demande de renseignements à : Genevieve Roach E-Mail Address - Courriel Genevieve.roach@forces.gc.ca		
Destination See herein - Voir aux présentes		

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions : Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery required Livraison exigée See herein - Voir aux présentes	Delivery offered Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Person authorized to sign on behalf of Vendor/Firm (type or print): La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :	
Name - Nom	Title - Titre
Signature	Date

Solicitation Closes - L'invitation prend fin

At - à :
2:00 PM - 14:00

On - le :
August 30, 2022 – 30 août 2022

Time Zone - Fuseau Horaire :
Eastern Daylight Time (EDT)
Heure avancée de l'Est (HAE)

THIS SOLICITATION AMENDMENT IS RAISED TO:

1. Provide clarification and answers to questions from potential suppliers;
2. Extend the solicitation closing date from July 4 2022 to August 30, 2022;
3. Update Annex A: Purchase Description; and
4. Change the date in Annex B: Technical Evaluation Matrix.

QUESTIONS AND ANSWERS:

Question 1	Item 3.5 a requests an air suspended conventional cab. This is common on class 8 on long distance highway trucks but not available on our single axle medium duty chassis. The vehicle will be equipped with a rear air suspension and air suspended driver's seat.
Answer 1	This will provide a comfortable ride for the driver. Off road 4x4 trucks can have severe cab movements and the air suspended cab mounts of class 8 highway trucks are not designed for this application. Air suspended cab is required.

Question 2	Item 3.5 b vi requests an exterior sun visor. Our chassis uses a darker tint in the upper portion of the windshield. There are aftermarket exterior sun visors available that could be installed but they have the potential of leaks at the mounting points and are not covered by the chassis manufacturer's warranty. Can it be deleted?
Answer 2	Paragraph 3.5 b vi : The cab must be provided with an exterior sun visor over the front windshield; will be deleted from the Purchase Description.

Question 3	Item 3.7.1a ii requests an air filter restriction gauge mounted inside the cab. The industry standard is to have the gauge mounted under hood on the air cleaner and is visible to the operator when they do their daily checks. Can this be changed?
Answer 3	Paragraph 3.7.1 a ii will be modified to read: The vehicle air intake system must be provided with a filter restriction gauge.

Question 4	Item 3.9 d requests an air compressor capacity of .42 cubic meters/minute. Our air compressor has a capacity of .37 cubic meters/minute (13.2 CFM). This is ample for this chassis requirements. Can this be changed?
Answer 4	Paragraph 3.9 (d) will be modified to read: The brake system must be provided with an air compressor with a capacity of at least 0.37 cubic metres per minute;

Question 5	Item 3.11 g requests all aluminum wheels. The inner rear wheels on the rear axle of our chassis will have steel wheels when the aluminum wheel option is ordered. They are considered an appearance option only. Can this be changed?
Answer 5	The aluminum wheels are requested.

THIS SOLICITATION IS HEREBY AMENDED AS FOLLOWS:

- 1.1 DELETE Annex A, Purchase Description dated October 27, 2021 and REPLACE with Annex A, Purchase Description dated June 22, 2022.
- 1.2 DELETE from Page 1, Solicitation Closes – L'invitation prend fin "July 4 2022 – 4 juillet 2022" and REPLACE with "August 30 2022 – 30 août 2022.
- 1.3. DELETE Annex B, Technical Evaluation Matrix dated October 27, 2021 and REPLACE with Annex B, Technical Evaluation Matrix dated June 22, 2022.

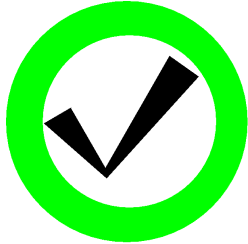
ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

ANNEXE C

PURCHASE DESCRIPTION

Diesel Truck Flat-deck 26 FT, 4x4

2022-06-22



NOTICE

This documentation has been reviewed by the **Technical Authority** and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'**autorité technique** et ne contient pas de marchandises contrôlées.

1 SCOPE

1.1 **Scope** - This Purchase Description describes the requirements for the 26 ft. Diesel Truck (cab & chassis) 4x4, equipped with a flat deck.

1.2 **Instructions** - The following instructions apply to this specification.

- (a) Requirements, which are identified by the word "**must**", are mandatory. Deviations will not be permitted;
- (b) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (c) Where "**must**" or "will" are not used, the information supplied is for guidance only;
- (d) Where a standard is specified and the Contractor has offered an **Equivalent**, that **Equivalent** standard **must** be supplied by the Contractor;
- (e) Where a technical certification is referred to in this specification, a copy of the certification or an acceptable **Proof of Compliance must** be supplied for the vehicle when requested by the **Technical Authority**;
- (f) While the SI system **must** be used as the primary system of measurement to define requirements of this specification, both the SI system and the standard system for this product may be indicated. Conversion from one system of measurement to the other may not be exact.

OPI DSVPM 4 - DAVPS 4

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du chef d'état-major de la Défense



RDIMS # 6136908

© 2016 DND Canada

Page 1 of 17

1.3 Definitions

- (a) **“Provided”** means “provided and installed”;
- (b) **“Technical Authority”** means the official responsible for the technical content of this requirement;
- (c) **“Equivalent”** means a standard, means, or component type, which the **Technical Authority** has approved for this requirement as meeting the specified requirements for fit, form, function and performance;
- (d) **“Commercially Equipped”** means that the vehicle is provided in its standard commercial configuration with no additional government-specific requirements;
- (e) **“Curb Weight” (CW)** means the weight of the fully equipped vehicle. The curb weight includes the cab and chassis, all attached accessories, equipment, fuel, lubricant and coolants. The **Curb Weight** does not include the **Payload**, the weight of the passengers or their personal kit and equipment;
- (f) **“Payload”** means the maximum cargo load carrying capacity of the vehicle;
- (g) **“Gross Vehicle Weight” (GVW)** means the sum of the Curb Weight, the weight of a driver and passenger (80 kg per person) and the weight of their personal kit and equipment and the **Payload**. The **GVW must** exceed the Gross Vehicle Weight Rating (**GVWR**);
- (h) **“Gross Vehicle Weight Rating” (GVWR)** means the maximum operating weight of the vehicle as stated by the manufacturer;
- (i) **“Cab and Chassis”** means the vehicle configuration before the addition of any features and accessories;
- (j) **“Gross Axle Weight” (GAW)** means the maximum load on an axle with the vehicle fully loaded; and
- (k) **“Gross Axle Weight Rating” (GAWR)** means the load capacity of an axle.

- 2 **APPLICABLE DOCUMENTS** - The following documents are referenced in this specification. Canada will not be supplying any reference documents. Available information on the organization is supplied.

SAE Standards

SAE World Headquarters

400 Commonwealth Dr.

Warrendale, PA, 15096-0001

<http://www.sae.org>

Motor Vehicle Safety Act (MVSA)

Government of Canada / Transport Canada.

<http://www.tc.gc.ca/eng/act-regulations/regulations-crc-c1038htm>

Hazardous Products Act

Government of Canada / Department of Justice

<http://laws-lois.justice.gc.ca/eng/acts/H-3/>

Year Book

Tire and Rim Association Inc.,

3200 West Market Street, Akron, Ohio, 44313

3 REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling this type and size class of vehicle for at least five (5) years;
- (b) The vehicle **must** include all components and accessories normally supplied for this application, although they may not be specifically described in this Purchase Description;
- (c) The vehicle **must** have engineering certification available for this application from the original manufacturers of major equipment, systems and assemblies;
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and emissions in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessary limited to manufacturing, health and safety noise levels environment and emissions; and
- (e) The vehicle and accessories **must** operate in accordance with all original equipment manufacturers (OEM) rated capacities and performance specifications.

3.2 Operating Conditions

- 3.2.1 **Weather** - The vehicle **must** start and operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 40°C.
- 3.2.2 **Terrain** - The vehicle **must** operate in all season, all-weather operations on highways and secondary roads.

3.3 Safety Standards

3.3.1 Vehicle Safety Regulations

- (a) The vehicle **must** meet the provisions of the Canada Motor Vehicle Safety Act;
- (b) The completed vehicle **must** be provided with a Safety Compliance Certification Label with a National Safety Mark (NSM); and
- (c) All systems and components **must** be safe and easy to use by a 5-95th percentile male or female under all operating conditions.

- 3.3.2 **Hazardous Materials** – The Contractor **must** minimize or eliminate the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals (as described in the Hazardous Products Act of Canada) on the vehicle at time delivery.

3.4 Performance

- (a) The vehicle **must** have a road speed of 105 km/h when carrying no less than the specified payload (paragraph (e)) on a flat, level road;
- (b) The vehicle **must** have a gradability, at a speed of at least 90 km/h, of at least 1.20 %, when carrying no less than the specified payload (paragraph (e));
- (c) The vehicle **must** have a gross engine horsepower of at least 300 HP in order to achieve the specified performance (paragraphs (a) and (b));
- (d) The vehicle **must** have a GVWR of at least 15,800 kg; and
- (e) The vehicle **must** have a payload capacity of at 7,000.

3.5 Vehicle Cab - Standard

- (a) **Cab** - The vehicle **must** be provided with an air suspended conventional cab;
- (b) **Cab Requirements**
 - i The cab **must** be provided with a tinted windshield;
 - ii **Wipers**
 - 1. The cab **must** be provided with windshield wipers with at least two (2) continuous speeds and one (1) intermittent speed;
 - 2. The windshield wipers **must** be provided with arctic wiper blades.
 - iii The cab **must** be provided with two (2) rotating and pivoting interior sun visors;
 - iv The cab **must** be provided with padded armrests on both doors, coat hooks and rubber mats;
 - v **Windows**
 - 1. The cab **must** be provided with powered windows; and
 - 2. The cab **must** be provided with a visibility window in the front lower portion of the right hand door or a look-down mirror mounted at the top of the right hand door.
 - vi The cab **must** be provided with powered door locks; and
 - vii The cab **must** be provided with a wiring harness for the installation of a CB radio.
- (c) **Seats**
 - i The vehicle **must** be provided with a high-back driver's seat with medium to dark coloured cloth upholstered;
 - ii The driver's seat **must** be provided with a fold-up arm rest on the interior side;
 - iii The driver's seat **must** be provided with push button controlled air suspension that operates from the vehicle's air system;
 - iv The vehicle **must** be provided with a bench seat for two passengers; and
 - v The seats **must** be provided with retractable shoulder/lap seat belt assemblies and a 2- point lap belt assembly for the middle passenger.
- (d) **Mirrors**
 - i A rear view mirror system **must** be provided on the exterior of each side of the vehicle cab providing the operator with clear visibility to the sides and rear of the vehicle;
 - ii Each mirror system **must** be provided with a tall and narrow flat section having a surface area of at least 40,000 mm²;
 - iii Each mirror **must** be provided with a convex mirror section located below the flat section, that has an area of at least 20,000 mm²;
 - iv Mirror glass **must** be separately replaceable;
 - v The flat section of the mirrors on both sides of the vehicle **must** be power adjustable from an in-cab control accessible to the operator;
 - vi The flat and convex mirrors **must** be provided with heating defrost elements;

- vii Mirror heating **must** be activated by an in-cab control accessible to the operator; and
- viii Heating elements **must** be replaceable.
- (e) **Additional Mirror** – Factory hood mounted mirrors or tripod mirrors **must** be provided on the right and left hand front hood or fenders;
- (f) **Air Conditioning** - The vehicle **must** be provided with an air conditioning system;
- (g) **Radio**
 - i The vehicle **must** be provided with an AM/FM radio with Bluetooth; and
 - ii The radio **must** turn off automatically when the vehicle ignition is turned off.
- (h) **Keys**
 - i A common key **must** be used for all cab and chassis locks; and
 - ii This **must** include, but is not limited to, ignition and doors.

3.6 **Chassis** - The vehicle **must** be provided with a high strength steel chassis with resisting bending moment of at least 20,193 kg-m.

3.6.1 **Suspension**

- (a) The vehicle **must** be provided with a front leaf spring suspension and a rear air suspension;
- (b) The suspension system **must** be provided with shock absorbers at each wheel station;
- (c) The rear suspension system **must** be provided with immediate response, automatic height control valve;
- (d) The rear suspension system **must** be provided with air pressure dump valve with indicator light, gauge and buzzer;
- (e) The control for the dump valve **must** be mounted in the cab within easy reach of the driver; and
- (f) The rear suspension system **must** be provided with suspension stabilizers or **Equivalent**.

3.7 **Engine** – The vehicle **must** be provided with a diesel engine.

3.7.1 **Engine Components**

- (a) **Engine Air Filter**
 - i The engine air filter **must** be a replaceable dry-type; and
 - ii The vehicle air intake system **must** be provided with a filter restriction gauge.
- (b) The engine **must** be provided with an engine coolant suitable for temperatures down to -40° C;
- (c) The engine **must** be provided with an exhaust system;
- (d) The exhaust system **must** have a vertical stack that clears the cab roofline; and
- (e) The exhaust system **must** be provided with an exhaust elbow at the exhaust exit.

3.7.2 **Fuel Reservoirs**

- (a) The fuel tanks **must** have a total capacity of at least 300 litres;
- (b) The fuel tank filler areas **must** be marked to identify the required vehicle fuel; and
- (c) The caps for fuel tanks **must** be lockable.

3.7.3 Engine Cold Weather Aids

- (a) The engine **must** be provided with cold weather starting aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -40° C. The engine starting aids may include but are not limited to: glow plug(s) and intake air grid heater;
- (b) The engine **must** be provided with 110-Volt engine cold start heaters with the capacity as recommended by the engine manufacturer or conforming to SAE J1310;
- (c) The battery **must** be provided with a 110-volt AC powered battery blanket; and
- (d) The engine **must** be provided with a heated, fuel filter/water separator to preheat diesel fuel prior to starting.

3.8 Vehicle Driveline

3.8.1 Automatic Transmission

- (a) The vehicle **must** be provided with an automatic transmission;
- (b) The transmission **must** be provided with a neutral start safety switch;
- (c) The transmission **must** have at least five (5) forward speeds and one (1) reverse speed;
- (d) The vehicle **must** have an external transmission oil cooler; and
- (e) The transmission **must** be provided with an aperture or an **Equivalent** feature to provide an attachment/drive location for a power take-off.

3.8.2 Axles

- (a) The vehicle **must** be provided with single front and rear drive axle; and
- (b) The rear axle **must** be provided with a driver controlled differential lock.

3.9 Brake system

- (a) The vehicle **must** be provided with full air actuated service brakes and spring actuated parking brakes;
- (b) The brake system **must** be provided with a 4-channel anti-lock (ABS) brake system;
- (c) The brake system **must** be provided with air brakes with automatic slack adjusters;
- (d) The brake system **must** be provided with an air compressor with a capacity of at least 0.37 cubic metres per minute;
- (e) The brake system **must** be provided with a wet air reservoir with a quick connect fitting for the connection of an air-hose;
- (f) The wet air reservoir **must** be provided with a pull type drain that is accessible from beside the vehicle;
- (g) The brake system **must** be provided with an automatic air dryer with a heated dump valve;
- (h) The brake system **must** be provided with dust shields at each wheel station; and

- (i) The brake system **must** be provided with emergency brake chambers on all rear axles.

3.10 **Steering**

- (a) The vehicle **must** be provided with a power assisted steering system; and
- (b) The steering system **must** be provided with a telescopic/tilt steering column.

3.11 **Wheels and Tires**

- (a) The front axle **must** be provided with single wheels;
- (b) The rear axle **must** be provided with dual wheels;
- (c) The front and rear axle **must** be provided with tires with mud and snow treads;
- (d) The rear axle **must** be provided with dual tires at each wheel station;
- (e) All tires provided **must** be steel-belted, tubeless and radial;
- (f) All wheels provided **must** be hub piloted, disc wheels;
- (g) All wheels **must** be aluminium;
- (h) All wheel stations **must** be provided with loose wheel nut indicators;
- (i) The wheel assemblies **must** have a capacity equal to or greater than the load applied, at the top vehicle speed (paragraph 3.4(a)); and
- (j) The wheel assemblies **must** be assembled in accordance with the tire and rim manufacturer's specifications.

3.11.1 **Wheel and Tire Accessories**

(a) **Spare Wheel Assembly with Storage**

- i The vehicle **must** be provided with a spare wheel assembly that mounts on the front axle; and
- ii A dedicated and secure storage location for the wheel assembly **must** be provided on the vehicle.

- 3.12 **Controls** - The vehicle **must** be provided with a cruise control system with a fast idle feature.

3.13 **Instruments**

- (a) All dash board gauges and readouts **must** be in metric units; and
- (b) Gauges and readouts which show both metric and English units will be accepted.

3.14 **Electrical System**

- (a) The electrical system **must** be provided with an alternator with an output of at least 200 amperes;
- (b) The electrical system **must** be provided with maintenance-free batteries with a combined rating at least 2,500 cold cranking amperes (CCA);
- (c) The electrical system **must** be provided with a master disconnect switch to isolate the vehicle batteries from the system;
- (d) The wiring **must** be protected by insulating grommets where passing through metal;
- (e) The vehicle **must** be provided with a minimum of four (4) knockouts for extra switches on the dashboard; and

- (f) The electrical system **must** include a backup alarm to alert personnel when the vehicle transmission is placed in reverse.

3.15 **Lighting**

- (a) The vehicle **must** be provided with integral LED body lighting;
- (b) The vehicle **must** be provided with halogen or LED headlights;
- (c) The vehicle **must** be provided with LED clearance lights, stop lights, turn signal lights, fog lights, tail-lights and reverse lights; and

3.15.1 Lighting Accessories

(a) **Beacon**

- i In addition to the standard lighting, the vehicle **must** be provided with an omni-directional beacon;
- ii The beacon **must** be activated by a dash mounted control switch;
- iii The beacon **must** be mounted so as to provide maximum vehicle visibility;
- iv The beacon **must** be designed for 360 degrees visibility;
- v The beacon may be mounted on the cab roof or other higher location;
- vi The beacon **must** be LED; and
- vii The colour of the beacon **must** be amber or blue.

3.16 **Lubricants and Hydraulic Fluids**

- (a) The vehicle **must** operate using synthetic non-proprietary lubricants and hydraulic fluids; and
- (b) Grease fittings **must** conform to SAE J534.

3.17 **Paint**

- (a) The vehicle **must** be painted using the manufacturer's commercial painting system; and
- (b) The vehicle **must** be painted Green.

3.17.1 **Conspicuity Tape**

- (a) Conspicuity tape **must** be provided in accordance with MVSA regulations; and
- (b) The conspicuity tape **must** be installed horizontally along the frame on each side and across the rear bumper.

3.17.2 **Corrosion Protection** - The vehicle **must** be provided with a rust protection treatment such as Krown Rust Control, Rust Check or an **Equivalent**.

- 3.18 **Identification** - The vehicle information (manufacturer's name, model, Vehicle Identification Number (VIN) and the GAWR, GVWR and GCWR ratings) **must** be permanently marked in conspicuous and protected locations.

3.19 **Warning and Instruction Plates**

- (a) The vehicle **must** be provided with warning and operation instruction plates in accordance with SAE J115; and
- (b) The plates **must** use graphic symbols, as defined in SAE J1362 or be written in the two (2) official languages (English and French).

3.20 **Equipment**

(a) **Tow Hooks**

- i The vehicle **must** be provided with tow hooks mounted at the front and at the rear; and
- ii The vehicle **must** be provided with tow hooks and mountings permitting the recovery of the vehicle.

(b) **License Plate Holders**

- i The vehicle **must** be provided with front and rear license plate holders; and
- ii The rear license plate **must** be illuminated.

(c) **Filler Caps** – The vehicle **must** be provided with permanently marked filler caps, which identify the contents using international symbols or in writing using both French and English; and

(d) **Mud flaps** - The vehicle **must** be provided with front and rear mud flaps;

(e) **Frame Mounted Storage**

- i The vehicle **must** be provided with one(1) frame mounted aluminum storage compartment;
- ii The compartment, located on the curbside forward of the rear axle, **must** have dimensions of at least 910 mm x 610 mm x 610 mm (30 x 24 x 24 inches);
- iii The compartment **must** have two (2) vertically hinged doors;
- iv The compartment **must** be equipped with flush-mounted slam action latches that can be locked with a padlock;
- v The compartment **must** have a load capacity of at least 136 kg (300 lbs);
- vi The compartment **must** be of weatherproof construction with anti-return type drainage;
- vii The compartment **must** have the interior walls and floor sprayed with Line-X or **Equivalent**;
- viii A removable, perforated vinyl matting **must** be provided on the compartment floor; and
- ix The compartment **must** have interior LED lighting mounted in a protected location.

(f) **Dangerous Goods Placard Holders**

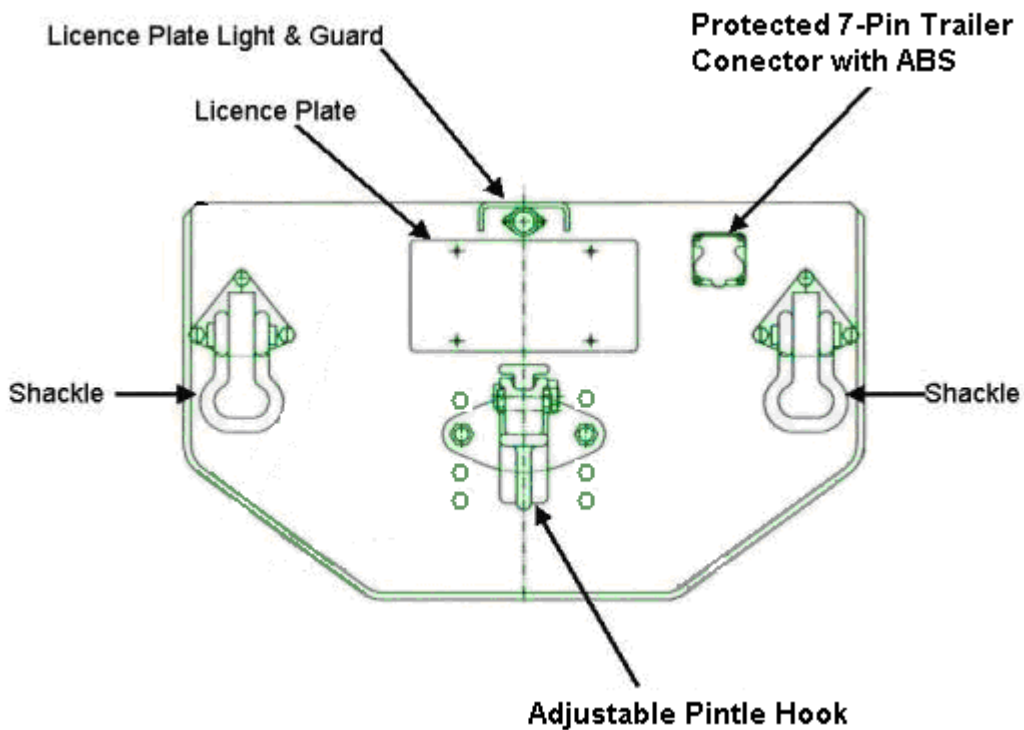
- i The vehicle **must** be provided with four (4) aluminum dangerous goods placards holders;
- ii One holder **must** be mounted at the centre of each side of the body, near the bottom;
- iii One holder **must** be mounted at the rear of the body, at the lower curb side corner; and
- iv One holder **must** be mounted at the front, preferably on the vehicle front bumper.

(g) **Flat-Deck – 7,925 mm (26 Foot)**

- i The vehicle **must** be provided with a flat-deck having an exterior length of at least 7,925 mm (26 foot);

- ii The flat deck **must** have an exterior width of between 2,440 mm (8 foot) to 2,590 mm(8.5 foot);
- iii The flat deck **must** be provided with a floor made of a material **Equivalent** to tongue and groove kiln dried or seasoned hardwood, that is at least 35 mm (1.4 inch) thick;
- iv The flat deck **must** be provided with a threshold plate that is at least 610 mm long and runs the width of the van body interior, is fabricated of 11-gauge steel checker plate, is installed at the rear door and is painted black;
- v The threshold plate leading edge **must** be recessed into the floor and fastened into cross members with carriage bolts;
- vi All walking surfaces **must** be covered with a coarse non-skid coating for operator's safety;
- vii The flat deck **must** be provided with an ICC bumper (Flush mounted double-T braced rear protective frame constructed on channel steel);
- viii **Bulkhead**
 - 1. The flat deck **must** be provided with a permanently mounted bulkhead rack with window opening aligned with the rear cab window;
 - 2. The window opening in the bulkhead **must** be covered with expanded metal mesh;
 - 3. The bulkhead **must** be provided with two (2) recessed tie-down rings;
 - 4. The tie-down rings **must** have a capacity of at least 2,275 kg; and
 - 5. The tie-down rings **must** be mounted at least 600 mm above the deck and as close to the exterior sides as possible.
- ix **Winch Binders**
 - 1. The flat deck **must** be provided with at least 2,494 kg (5,500 lb) winches binders along each side rail, for use with 52 mm (2 inch) straps;
 - 2. The winch binders **must** be provided with straps at least 9,100 mm long; and
 - 3. Winch binders **must** be mounted at no more than 610 mm spacing along the deck side rail with a space of no more than 305 mm from the front and rear of the deck.
- x **Tie Down Rings**
 - 1. The flat deck **must** be provided with two (2) rows of six (6) evenly spaced, 2,275 kg capacity, recessed (flush floor mounted), tie-down rings;
 - 2. The tie-down rings **must** be "D" shaped with drain holes, bolted to the floor and positioned as close as possible to the sides of the flat deck, but not more than 203 mm from the sides; and
 - 3. Holes **must** be drilled in the deck stanchion locations to prevent water and dirt accumulation, before painting.
- (h) **Fire Extinguisher**
 - i An ABC rated fire extinguisher, minimum 2,3 kg (5 lbs) complete with a quick release mounting bracket **must** be supplied; and
 - ii The bracket **must** be mounted on the rear left side of the bulkhead.
- (i) **Pintle Hook and Trailer Brake Control**

- i A duplex pintle hook including a trailer brake control **must** be provided.
- ii The pintle hook **must** be a Holland Model BH200RN41 or **Equivalent**;
- iii Heavy-duty trailer safety chain towing shackles **must** be installed on both sides of the pintle hook;
- iv The horizontal centerline of the pintle hook **must** be 610-mm to 711-mm (24 to 28-Inches) above the ground; and
- v **Pintle Mounting Plate**
 - 1. The pintle hook plate assembly **must** be steel;
 - 2. Stress analysis **must** be conducted to confirm the ability of the plate to withstand the specified towed load; and
 - 3. The analysis result **must** be supplied to the **Technical Authority**.
- vi A line drawing detail the location of the items in the following drawing for the plate design **must** be supplied to **Technical Authority**. Such a drawing may look like Figure 1, below.



General Arrangement – Pintle Hook Assembly

INTEGRATED LOGISTIC ITEMS**4.1 Contractor Documentation and Integrated Logistic Items****4.1.1 Documents to Technical Authority (Designated Contact) on Contract****(a) Manuals for Approval**

- i The Contractor **must** supply access to a set of manuals for each model, in digital format, including the operator, parts and maintenance (shop repair) manuals;
- ii The set of manuals **must** include manuals for all the specified accessories and features. Accessory manuals may be included as supplements to the vehicle manuals;
- iii Digital copies **must** be supplied as a searchable PDF format or **equivalent**;
- iv On-line maintenance manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees;
- v Manuals will not be returned;
- vi Manual approval or comments will be supplied within 15 working days of receipt; and
- vii The Contractor **must** supply responses to the **Technical Authority's** comments.

(b) Photographs and Line Drawings

- i The Contractor **must** supply two (2) digital colour photographs, one left-front three-quarter full vehicle view, and one right-rear three-quarter full vehicle view of each model;
- ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment **must** be supplied;
- iii One front-view and one side-view line drawing showing dimensions of the vehicle **must** be supplied. Brochure line drawings are acceptable;
- iv Photographs **must** an plain background;
- v Photographs **must** be in a JPEG (Joint Photographic Experts Group) format; and
- vi Photographs **must** have a resolution of at least eight (8) Mega pixels.

(c) Data Summary

- i The Contractor **must** supply a bilingual data summary for each model, with vehicle data (including accessories and features) and a vehicle picture, for each DND contract;
- ii The **Technical Authority** will supply a bilingual template of a data summary to the Contractor;
- iii The Contractor **must** submit a digital copy (MS Word) of the completed data summary for approval;
- iv Data summary approval or comments will be supplied within 15 working days of receipt; and
- v The Contractor **must** provide responses to the **Technical Authority's** comments.

(d) **Warranty Letter**

- i The **Technical Authority** will supply a current bilingual warranty letter template to the Contractor;
- ii The Contractor **must** supply a complete description of the warranty with the requested warranty terms and any system or sub system warranty that exceeds the minimum requested;
- iii The warranty letter **must** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada;
- iv Designated warranty providers **must** honour the warranty letter; and
- v The Contractor **must** supply a copy of the warranty letter, in PDF digital format, for each vehicle delivered, to the **Technical Authority** or the designated contact for non-DND users.

(e) **Safety Data Sheets**

- i The Contractor **must** supply a list, in digital format, of all hazardous materials used on the vehicle;
- ii If there are no hazardous materials are used, this **must** be stated on the list; and
- iii The Contractor **must** supply safety data sheets of all hazardous materials in the list.

(f) **Rust Protection Warranty** - A copy, in digital format, of the warranty from the rust protection provider **must** be supplied, to the **Technical Authority** or the designated contact for non-DND users;

(g) **Training Plan(s)** - The Contractor **must** supply the training plan for approval, for each of the training requirements listed in paragraph 4.2 to the **Technical Authority**, or the designated contact for non-DND users; and

(h) **Line Setting Ticket** – The Contractor **must** supply a copy of the production line setting ticket, in digital format, with supplemental listing for each completed vehicle, to the **Technical Authority**, or to the designated contact for non-DND users.

4.1.2 **Items Supplied with Each Vehicle**

(a) **Operator's Manual** - The Contractor **must** supply an approved bilingual operator's manual in both paper and digital format;

(b) **Warranty Letter** - The Contractor **must** supply a paper copy of the warranty letter;

(c) **Safety Data Sheets**

- i The Contractor **must** supply a set of safety data sheets; and
- ii The safety data sheets **must** be the same as those supplied to the **Technical Authority** as per paragraph 4.1.1(d).

(d) **Rust Protection Warranty** – The Contractor **must** supply a copy of the warranty letter from the rust protection provider; and

(e) **Line Setting Ticket** – The Contractor **must** supply a copy of the production line setting ticket with supplemental list.

(f) **Keys**- The contractor must supply four (4) keys in accordance with paragraph 3.5(h).

4.1.3 **Additional Items**

(a) **Digital Maintenance Manual - English**

- i The Contractor **must** supply the approved searchable digital maintenance (shop repair) manuals in English required for maintenance and repair of the vehicle features and accessories;
- ii The Contractor may supply this deliverable as a bilingual package;
- iii On-line maintenance manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees; and
- iv Paper format maintenance manuals may be supplied in lieu of the digital maintenance manuals.

(b) **Digital Parts Manual**

- i The Contractor **must** supply the approved searchable digital parts manuals required the vehicle, features and accessories on a CD/DVD-ROM;
- ii On-line parts manuals may be supplied in lieu of the digital maintenance manuals, however, these **must** be supplied without subscription fees; and
- iii Paper format maintenance manuals may be supplied in lieu of the digital maintenance manuals.

4.1.4 **ILS Deliverables.** The following table indicates the ILS elements that the Contractor **must** deliver, including the medium (paper or digital), the expected means of delivery and the reference paragraph.

Deliverables	PD Ref	Delivery Location	Delivery Timing
Operator's Manuals	4.1.2(a)	With Each Vehicle	At Delivery
Warranty Letter	4.1.2(b)	With Each Vehicle	At Delivery
Safety Data Sheets	4.1.2(c)	With Each Vehicle	At Delivery
Rust Protection Warranty	4.1.2(d)	With Each Vehicle	Within 15 Days After Vehicle Delivery
Line Setting Ticket	4.1.2(e)	With Each Vehicle	At Delivery
Manuals for Approval	4.1.1(a)	To Technical Authority	30 Days Prior to Vehicle Delivery
Photographs and Line Drawings	4.1.1(b)	To Technical Authority	15 Days Prior to Vehicle Delivery
Data Summary	4.1.1(c)	To Technical Authority	15 Days Prior to Vehicle Delivery
Warranty Letter	4.1.1(d)	To Technical Authority	15 Days Prior to Vehicle Delivery
Safety Data Sheets	4.1.1(e)	To Technical Authority	15 Days Prior to Vehicle Delivery
Rust Protection Warranty	4.1.1(f)	To Technical Authority	Within 15 Days After Vehicle Delivery
Maintenance and Parts Manuals	4.1.3	To Each Destination	Within 30 Days After Vehicle Delivery
Training			
Familiarization	4.2	At Receiving Base(s)	Draft-30 days Prior to Deliver TA Approval-14 days Updated(if required)-14 days

4.2 **Training**

(a) **Training - Familiarization – English**

- i The Contractor **must** supply a familiarization course in English;
- ii The course instructor **must** be an OEM trained instructor;
- iii The familiarization course **must** include operation and maintenance segments demonstrating, all safety measures required for safe vehicle use, instructions on the use of all accessories supplied and operator maintenance;

- iv The instructor **must** supply responses to questions;
- v The familiarization course **must** have a minimum duration of eight (8) hours;
- vi The familiarization course **must** accommodate up to eight (8) personnel;
- vii The familiarization course **must** be supplied at the delivery destination;
- viii For vehicles shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority**, or the identified user or designated contact person for vehicles shipped to users other than DND;
- ix After completion of the familiarization course, the Contractor **must** have the "**PROOF OF FAMILIARIZATION**" certificate signed by the senior course attendee; and
- x The **Technical Authority** will supply the "**PROOF OF FAMILIARIZATION**" document template in a digital format.

(b) **Training - Familiarization – French**

- i The Contractor **must** supply a familiarization course in French, when requested by the **Technical Authority**;
- ii The course instructor **must** be an OEM trained instructor;
- iii The familiarization course **must** include operation and maintenance segments demonstrating, all safety measures required for safe vehicle use, instructions on the use of all accessories supplied and operator maintenance;
- iv The instructor **must** supply responses to questions;
- v The familiarization course **must** have a minimum duration of eight (8) hours;
- vi The familiarization course **must** accommodate up to eight (8) personnel;
- vii The familiarization course **must** be supplied at the delivery destination;
- viii For vehicles shipped to DND, the date for the familiarization course **must** be arranged with the **Technical Authority**, or the identified user or designated contact person for vehicles shipped to users other than DND;
- ix After completion of the familiarization course, the Contractor **must** have the "**PROOF OF FAMILIARIZATION**" certificate signed by the senior course attendee; and
- x The **Technical Authority** will supply the "**PROOF OF FAMILIARIZATION**" document template in a digital format.



NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

ANNEX C
TECHNICAL EVALUATION MATRIX
DIESEL TRUCK FLAT-DECK 26 FT, 4X4

This questionnaire covers technical information, which **must** be provided for evaluation of the configuration(s) of the vehicle(s) offered.

Where the specification paragraphs below indicate “**Substantial Information**”, the “**Substantial Information**” describing completely and in detail how the requirement is met or addressed **must** be supplied for each performance requirement/specification.

Bidder is required to indicate the document name/title and page number where the **Substantial Information** can be found.

Definitions for **Equivalent** is found in the DEFINITION section at the end of this document.

BIDDER INFORMATION

Bidder Name: _____

Address: _____

Proposal Date: _____

Substitutes/Alternatives

Are any equipment substitutes/alternatives offered as **Equivalent**? YES NO

If yes, please identify all equipment substitutes/alternatives offered as **Equivalents** below:

OPI: DSVPM 4 – BPR: DAPVS 4

Issued on Authority of the Chief of the Defence Staff
Publiée avec l'autorisation du chef d'état-major de la Défense



DIESEL TRUCK FLAT-DECK 26 FT, 4X4

PD Reference	Requirement	Substantial Information required	Value	Location of Substantial Information in Bid Proposal
3.4(c)	The vehicle must have a gross engine horsepower of at least 300 HP in order to achieve the specified performance (paragraphs Error! Reference source not found. and Error! Reference source not found.).	Substantial Information		
3.4 (d)	The vehicle must have a GVWR of at least 15,800 kg.	Substantial Information		
3.6.1(a)	The vehicle must be provided with a front leaf spring suspension and a rear air suspension.	Substantial Information		
3.7	The vehicle must be provided with a diesel engine.	Substantial Information Make Model		
3.7.2(a)	The fuel tanks must have a total capacity of at least 300 litres	Substantial Information		
3.8.1(a)	The vehicle must be provided with an automatic transmission.	Substantial Information		
3.8.1(c)	The transmission must have at least five (5) forward speeds and one (1) reverse speed.	Substantial Information		

DIESEL TRUCK FLAT-DECK 26 FT, 4X4

3.8.2 (a)	The vehicle must be provided with single front and rear drive axle	Substantial Information		
3.14 (a)	The electrical system must be provided with an alternator with an output of at least 200 amperes.	Substantial Information		
3.14 (b)	The electrical system must be provided with maintenance-free batteries with a combined rating at least 2,500 cold cranking amperes (CCA).	Substantial Information		
3.20 (g) i	The vehicle must be provided with a flat-deck having an exterior length of at least 7,925 mm (26 foot). Flat deck line drawing with dimensions.	Substantial Information		
3.20 (i) i	A duplex pintle hook including a trailer brake control must be provided.	Substantial Information		

DEFINITION

The following definition apply to the interpretation of this Technical Evaluation Matrix:

- a) **“Equivalent”** - A standard, means, or component type, which has been accepted by the **Technical Authority** as meeting the specified requirements for form, fit, function and performance.