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11 Laurier St. / 11, rue Laurier
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Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

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
Industrial Vehicles & Machinery Products Division
11 Laurier St./11, rue Laurier
7B1, Place du Portage, Phase III
Gatineau
Québec
K1A 0S5

Title - Sujet Diesel Tractor	
Solicitation No. - N° de l'invitation W8476-145108/B	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client W8476-145108	Date 2014-10-20
GETS Reference No. - N° de référence de SEAG PW-\$\$HS-627-65648	
File No. - N° de dossier hs627.W8476-145108	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-10-28	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dicaire, Sylvie	Buyer Id - Id de l'acheteur hs627
Telephone No. - N° de téléphone (819) 956-6629 ()	FAX No. - N° de FAX (819) 956-5227
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

This amendment is raised to provide Question and Answer and replace the Purchase Description dated 2014-04-16 by the Purchase Description dated 2014-10-17 as follows:

1) Question 1:

Item 3.5 (a), ii Lift Height the request asks for 1225 mm lift height above grade. Our Dozer with a Semi U Blade has 1099 mm of lift height a shortfall of 126mm. Our dig depth is 707 mm which is 157 mm more than asked for. When combining Lift Height and Dig Depth we offer 31mm more than what has been requested. Considering that the machine is meant to dig and push material... would this be acceptable?

Answer 1

A **Blade Lift Height** of 1099 mm would be acceptable to Canada. The Purchase Description has been amended to indicate a **Blade Lift Height** of 1085 mm.

2) Delete:
Purchase Description dated 2014-04-16 in its entirety

Insert:
Purchase Description dated 2014-10-17.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

2014-10-17

	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.

PURCHASE DESCRIPTION

FOR

TRACTOR, FULL TRACKED, LOW SPEED, DIESEL ENGINE DRIVEN

1. SCOPE

1.1 **Scope** - This purchase description covers the requirements for a large diesel engine driven, full tracked, low speed tractor.

1.2 **Instructions** - The following instructions **shall** be used to interpret this specification:

- (a) Requirements, which are identified by the word "**shall**", are mandatory. Deviations will not be permitted;
- (b) Requirements identified by "**shall**^(E)" are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;
- (c) Requirements identified with a "will" define actions to be performed by the purchaser and require no action/obligation on the Contractor's part;
- (d) Where "**shall**", "**shall**^(E)", or "will" are not used, the information provided is for guidance only;
- (e) In this document "provided" **shall** mean, "provided and installed";
- (f) Where technical certification is required, a copy of the certification or an acceptable Proof of Compliance **shall** be provided upon request;
- (g) Metric measurements **shall** be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (h) Dimensions stated as nominal **shall** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially.

OPI DSVPM 4 - DAPVS 4

Issued on Authority of the Chief of the Defence Staff

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



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1.3 **Definitions** - The following definitions **shall** be used to interpret this specification:

- (a) "Technical Authority" - (TA) - The official responsible for technical content of this requirement; and
- (b) "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.

1.4 **Configuration Capability Table** - The following table shows required performance and dimensions with a reference to the pertinent clause.

CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION
			F
FORWARD SPEED	3.4.1 (a)	km/h	10
DRAWBAR PULL	3.4.1 (b)	kN	400
CONTACT AREA	3.12 (a)	m ²	3.5
STANDARD TRACK SHOE WIDTH	3.12 (b)	mm	610

1.4.1 **Attachment Capability Table** - The following table shows the required performance and capacity information by attachment with clause reference.

CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION	
			F	
BLADE	BLADE WITDTH	3.5 (a), i	mm	3,925
	BLADE HEIGHT	3.5 (a), i	mm	1,875
	LIFT HEIGHT	3.5 (a), ii	mm	1,085
	DEPTH OF CUT	3.5 (a), iii	mm	550
	BLADE TILT	3.5 (a), iv	mm	875
	BLADE VOLUME	3.5 (a), v	m ³	8.5
WINCH	DRUM PULL	3.5 (f), i	kN	400

2. **APPLICABLE DOCUMENTS**

2.1 **Government Furnished Documents** - **NOT APPLICABLE**

2.2 **Other Publications** - The following documents form part of this Purchase Description. Web sites for the organization are given when available. Effective documents are those in effect on date of manufacture. Sources are as shown:

SAE Handbook

Society of Automotive Engineers Inc.
400 Commonwealth Dr.,
Warrendale, PA, 15096
<http://www.sae.org>

International Organization for Standardization (ISO)

ISO Central Secretariat
1, ch. de la Voie-Creuse
CP 56, CH-1211 Geneva 20
Switzerland
<http://www.iso.org/iso/home.htm>

3. REQUIREMENTS

3.1 **Standard Design** - The following applies:

- (a) The vehicle **shall** be the latest model. The manufacturer **shall** have manufactured and sold this type and size class of vehicle for at least 1 year;
- (b) The vehicle **shall** have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies;
- (c) The vehicle **shall** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture; and
- (d) The vehicle **shall** operate in accordance with all original equipment manufactures' (OEM) rated capacities and performance specifications.

3.2 **Operating Conditions**

3.2.1 **Weather** - The vehicle **shall** operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37° C (-40 to 99° F).

3.2.2 **Terrain** - The vehicle **shall** be capable of being operated off-road (e.g. construction sites, open fields and dirt tracks). Terrain conditions **shall** include year round operations on snow, mud, sand and ice.

3.3 **Safety Standards**

3.3.1 **Noise Level** - The vehicle/equipment noise levels **shall** meet the requirements of legislation relative to Occupational Safety and Health both at the operator's station and exterior to the vehicle.

3.3.2 **Hazardous Materials** - The contractor **shall** 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) used in the manufacture and assembly of the product supplied.

3.4 **Performance** - The vehicle **shall** be a low speed tracked tractor.

3.4.1 Vehicle Performance - The following applies:

- (a) The vehicle *shall* have a forward speed of at least that given as "**FORWARD SPEED**" in the Configuration Capability Table; and
- (b) The vehicle *shall* have a drawbar pull at a speed of no less than 1.5 km/h, in accordance with ISO 7464 or a Technical Authority approved equivalent standard, of at least that given as "**DRAWBAR PULL**" in the Configuration Capability Table.

3.5 Equipment - Equipment/features below *shall* be provided:

- (a) Dozer Blade - The vehicle *shall* be equipped with a Semi-Universal dozer blade. The following applies:
 - i The blade *shall* have minimum width of at least that given as, "**BLADE - BLADE WIDTH**" and a minimum height of at least that given as "**BLADE - BLADE HEIGHT**" in the Attachment Capability Table;
 - ii The vehicle *shall* have a minimum blade lift (ground clearance), given as, "**BLADE - LIFT HEIGHT**" in the Attachment Capability Table;
 - iii The blade *shall* have a minimum depth of cut below ground level, given as, "**BLADE - DEPTH OF CUT**" in the Attachment Capability Table;
 - iv The blade *shall* have a horizontal tilt to lift the blade corners to a height of at least that given as, "**BLADE - BLADE TILT**" in the Attachment Capability Table; and
 - v The blade *shall* have a capacity of at least that given as "**BLADE - BLADE VOLUME**" in the Attachment Capability Table.
- (b) Forestry Guards - The manufacturer's standard forestry guards to protect engine, radiator, transmission, and final drive components *shall* be provided;
- (c) Vehicle Tie-Down Devices - The vehicle *shall* be equipped with permanent and integral vehicle tie-down devices.
 - i The tie-down devices *shall* be designed for forward thrust of at least 4 G, a rearward thrust of at least 4 G, an upward thrust of at least 2 G and a side thrust of at least 1.5 G (1 G = shipping weight of the equipment), loads are not imposed simultaneously;
 - ii The tie-down devices *shall* be designed to withstand stresses imposed by thrust loads (all directions) with a factor of safety of at least 1.5 with respect to the ultimate strength of the material;
 - iii The tie-down devices *shall* be designed/located to prevent shifting or movement during transport on low-bed trailers, rail car and aboard ships;
 - iv The tie-down devices *shall* be located to permit easy attachment of cables or turnbuckles;

- v The tie-down devices **shall** be identified and marked with maximum loads permitted. Markings **shall** be painted using a contrasting colour; and
 - vi The tie-down devices **shall** include complete tie down instructions showing tie-down locations. This information **shall** be shown in the Operators Manual and it is preferred that it is marked in the vehicle cab (in the form of decals).
- (d) **Protection against Vandalism** - The vehicle **shall** have vandal protection measures including provisions for locking the engine covers, filler caps and cab;
- (e) **Filler Caps** - The vehicle **shall** be equipped with clear and permanently affixed labels to identify filler caps by contents, using international symbols, a standard (i.e. SAE 10W30) or written in French and English;
- (f) **Winch** - The vehicle **shall** be equipped with a hydraulic winch. The following applies:
- i The winch **shall** have a bare drum pull of at least that given as "WINCH - DRUM PULL" in the Attachment Capability Table;
 - ii The winch **shall** have a wire rope size capable of withstanding the maximum winch pull;
 - iii The winch **shall** have a minimum of 50 metres of rotation resistant wire rope. Wire rope **shall** be pre-strained to reduce elasticity;
 - iv The wire rope end **shall** be equipped with an open wedge socket clevis fitting with pin;
 - v A 1.25 metre (4 ft - 1 inch) single leg chain assembly with hooks rated for winching applications **shall** be provided;
 - vi An auxiliary sheave of similar diameter as the winch and with a strength compatible with the wire rope **shall** be provided;
 - vii The winch **shall** be equipped with a four (4) roller fairlead; and
 - viii The winch **shall** be equipped with a drawbar with at capacity of at least that of the vehicle.
- (f) **Brush Sweeps** - Forward facing brush sweeps **shall** be provided.
- 3.5.1 **Attachments** - The following **shall** be delivered with the vehicle:
- (a) **Heavy Duty Disc Harrow** - A heavy duty disc harrow **shall** be supplied. The following applies:
- i The heavy duty disc **shall** have a nominal working width of 4,000mm;
 - ii The heavy duty disc **shall** have notched discs with a nominal diameter of 815mm; and

- iii The heavy duty disc **shall** mount to the drawbar.
- (b) **Wide Cut Disc Harrow** - A wide cut disc harrow **shall** be supplied. The following applies:
- i The wide cut disc **shall** have a nominal working width of 8,800mm;
 - ii The wide cut disc **shall** have notched discs with a nominal diameter of 610mm; and
 - iii The wide cut disc **shall** mount to the drawbar.
- (c) **Root Rake** - A pin on blade mounted root rake **shall** be provided. The following applies:
- i The root rake **shall** have a width equal to the dozer blade width;
 - ii The root rake **shall** have a penetration depth of at least 400mm; and
 - iii The root rake **shall** have a brush guard.
- 3.6 **Operator Station** - The following applies:
- (a) **ROPS Cab**
- i A ROPS cab incorporating a certified Roll Over Protective Structure (ROPS) **shall** be provided;
 - ii The ROPS cab **shall** be weatherproof, pressurized and insulated;
 - iii The ROPS cab **shall** have a heating system with ventilation and defrosting systems capable of keeping windows free from frost and moisture;
 - iv The ROPS cab **shall** have the manufacturer's standard safety glass in the windows. It is preferred the glass be tinted to reduce solar heating load;
 - v The ROPS cab **shall** have the manufacturer's standard windshield wiper and washer system; and
 - vi The ROPS cab **shall** have two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.
- (b) **Suspension Seat**
- i The manufacturer's standard padded air suspension seat with backrest **shall** be provided;
 - ii The seat **shall** be equipped with seat belts conforming, as a minimum, to SAE J386; and
 - iii The seat **shall** be fore/aft and vertically adjustable with the occupant in a seated position.

(c) **Mirrors**

- i Adjustable rear-view mirrors positioned for safe reverse operation **shall** be provided;
- ii If exterior mirrors are used, they **shall** be heated. Mirror heating **shall** be activated by an in-cab control; and
- iii It is preferred that the non-reflective surface of the mirror be flat black. It is preferred that mirrors be a split type with 25 percent convex.

(d) **Air Conditioner**

- i The manufacturer's standard air conditioning system **shall** be provided; and
- ii The air conditioning system **shall** not use ozone-depleting refrigerants.

(e) **Radio**

- i An AM/FM radio **shall** be provided. It is preferred the radio is equipped with an auxiliary input;
- ii The radio **shall** turn off automatically when the vehicle is turned off.

(f) **Rear View Camera** - A rear view camera **shall** be installed on the vehicle. The camera image **shall** be displayed in the cab of the vehicle. The camera **shall** be protected by a guard.

(g) **Window Guards** - All windows **shall** be protected with the manufacture's standard forestry window guards. The rear window guard **shall** be suitable to provide protection during winching operations.

3.7 **Chassis** - The vehicle chassis **shall** be the manufacturer's standard for a vehicle of this type and size.

3.8 **Engine** - The engine **shall** be diesel powered.

3.8.1 **Engine Components**

- (a) The engine **shall** have a two stage dry type air cleaning system with a cyclonic pre-cleaner. Filters **shall** have a filter restriction gauge, which is preferably visible from the operator's station;
- (b) The engine **shall** have a muffler or exhaust system suitably located and/or shielded so that personnel will not contact a heated surface; and
- (c) The engine **shall** have weather guards or an effective device to prevent entry of water into intake and exhaust stacks.

3.8.2 **Fuel Tank(s)** - The fuel tank(s) **shall** be the manufacturer's standard. The fuel tank(s) **shall** be at least half full when delivered.

3.8.3 **Engine Cold Weather Aids** - Cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -40° C **shall** be provided. External electrical power for engine and battery heaters **shall** be a single cover-protected plug that is accessible without lifting engine covers. The following applies:

- (a) 110-volt engine heater(s) with a capacity as recommended by the engine manufacturer or conforming to SAE Information Sheet J1310 **shall** be provided;
- (b) 110-volt battery heater(s) having wattage matched to battery size **shall** be provided. The battery **shall** be housed in an insulated battery box or in the vehicle cab; and
- (c) A low temperature starting aid **shall** be provided. The engine **shall** have one of the following: ether injection system, glow plug(s) or intake air preheat system.

3.8.4 **Fuel-Fired Pre-Heater** - A fuel-fired preheat system **shall** be provided. The fuel-fired pre-heater **shall** be the size recommended by the heater manufacturer.

3.9 **Transmission** - The vehicle **shall** be equipped with the manufacturer's standard continuous power transmission such as a power shift, power shuttle or hydrostatic.

3.10 **Brake System** - The vehicle **shall** be equipped with the manufacturer's standard braking system.

3.11 **Steering** - The vehicle steering system **shall** the manufacturer's standard.

3.12 **Suspension and Tracks** - Track suspension and rollers **shall**:

- (a) The vehicle tracks **shall** have a nominal ground contact area of that given as, "CONTACT AREA" in the Configuration Capability Table;
- (b) The vehicle tracks **shall** be extreme-duty track shoes with a nominal width of at least that given as "STANDARD TRACK SHOE WIDTH" in the Configuration Capability Table; and
- (c) The vehicle tracks **shall** be equipped with full length bolt on rock guards.

3.13 **Controls** - Controls **shall** be manufacturer's standard including a safety device ensuring that engine can only be started with the transmission in a neutral position. The throttle control **shall** be positioned for convenient operation.

3.14 **Instruments** - Instruments **shall** be manufacturer's standard including a numeric read-out hour-meters.

3.15 **Electrical System** - The vehicle **shall** be equipped with the manufacturer's standard electrical system, which **shall** include:

- (a) **Back-Up Alarm System** - A back-up alarm system to alert personnel that the vehicle is in reverse **shall** be provided; and
- (b) **Solar Battery Charging System** - A Battery Solar Charging System **shall** be provided. The Battery Solar Charging System **shall** be equivalent to a NSN 6130-01-487-0035. The solar charger panel **shall** be installed to the manufacture's specifications. The contractor **shall** have the Solar Battery Charging System's location/wiring approved by the Technical Authority prior to installation. The solar charger panel **shall** be protected by a guard.

3.16 **Lighting** - The vehicle lighting **shall** be the manufacturer's standard. The vehicle lighting **shall** include:

- (a) **Amber Coloured Strobe Light** - Amber coloured omni-directional LED strobe light(s) **shall** be provided. The strobe light(s) **shall** either be on continuously or operated with a dash mounted switch. The strobe light(s) **shall** provide maximum vehicle visibility;
- (b) **Working Lights** - Additional forward and rearward facing working lights for no/low light working conditions **shall** be provided. Working lights **shall** be LED; and
- (c) **Light Guards** - All lighting **shall** be protected by guards or mounted in a location to prevent damage.

3.17 **Hydraulic System** - The hydraulic system **shall** be the manufacturer's standard complete with all components required for the operation of the hydraulic equipment specified.

3.18 **Lubricants and Hydraulic Fluids** - The vehicle **shall** be serviced with the manufacturer's non-proprietary standard lubricants and hydraulic fluids.

3.19 **Paint** - The vehicle **shall** be painted using manufacturer's standard commercial colours. The prime coating **shall** be a high-durability, corrosion-resistant type. The prime coating **shall**^(B) be epoxy type or baked powder coat.

3.20 **Identification** - The following information **shall** be permanently marked in a conspicuous and protected location:

- (a) Manufacturer's name, model and serial number.

3.21.1 **Warning Signs and Identification Labels** - The contractor **shall** deliver the equipment with high visibility, bilingual warning signs and identification labels. Bilingual labels and signs **shall** also be represented in the parts manual.

3.21 **Vehicle Delivery Condition**

- (a) The vehicle **shall** be delivered to destination in a fully operational condition (serviced and adjusted) and both the interior and exterior **shall** be cleaned;
- (b) If the vehicle requires assembly at destination, the contractor **shall** be responsible for all manpower and equipment to perform assembly;
- (c) The space for assembly at destination will be provided, if required;

- (d) For shipment verification, items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose, **shall** be listed on the shipping certificate or to an attached packing note;
- (e) Fuel tank(s) **shall** be at least half full on delivery; and
- (f) Lubricant viscosity provided **shall** be suitable for the destination and the season of delivery.

4. **Integrated Logistic Support**

4.1 **Contractor Provided Documentation and Support Items**

4.1.1 **Items with Each Vehicle** - The following items **shall** be delivered with each vehicle. Manuals **shall** be approved by the technical Authority prior to delivery.

(a) **Operator's Manuals**

- i An operator's manual that describes safe vehicle operation including of the vehicle and of all supplied attachments **shall** be provided;
- ii The operator's manual **shall** be furnished in a bilingual format or as 2 manuals (one English, and one French) in a single binder;
- iii In addition to the paper copy of the operator's manual, a digital copy **shall** be provided; and
- iv The digital copy **shall** not require a password or an Internet connection to be functional.

(b) **Paper Maintenance Manuals - English**

- i English maintenance manuals in a paper format demonstrating the required maintenance and repair of the vehicle **shall** be provided; and
- ii The paper maintenance manuals **shall** include a parts manual.

(c) **Digital Maintenance Manuals - English**

- i Searchable digital maintenance manuals in English demonstrating the required for maintenance and repair of the vehicle **shall** be provided;
- ii The digital format **shall** not require a password or an Internet connection to be functional; and
- iii The digital maintenance manuals **shall** include a parts manual.

(d) **Warranty Letter**

- i A paper copy of the completed bilingual warranty letter template **shall** be provided with each vehicle;

- ii The warranty letter **shall** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada; and
 - iii Designated warranty providers **shall** honour the warranty letter.
- (e) **Material Safety Data Sheets** - The set of material safety data sheets that received approval from the Technical Authority **shall** be provided with each vehicle.

(f) **Initial Parts Kit**

- i One initial parts kit **shall** be provided; and
 - ii The initial parts kit **shall** include a complete set of parts, including filters and filter elements required by the Original Equipment Manufacturer for the first year of scheduled maintenance.
- (g) **Keys** - Four (4) complete sets of keys **shall** be provided.

4.1.2 **Documents provided to the Technical Authority**

- (a) **Data Summary** - A bilingual data summary **shall** be provided for each configuration with data and a vehicle picture on the **Technical Authority** provided form;

(b) **Manuals for Approval**

- i A set of manuals for each configuration, in digital format with a paper copy, including the operator, parts and maintenance manuals **shall** be provided;
- ii Manuals will not be returned; and
- iii Manual approval or comments will be provided within 15 working days of receipt.

(c) **Photographs**

- i Two (2) digital pictures, one left-front three-quarter view, and one right-rear three-quarter view of each configuration **shall** be provided;
- ii Pictures **shall** have an uncluttered background; and
- iii Pictures **shall** have a resolution of at least eight (8) Mega pixels.

- (d) **Initial Parts Kit List** - A list of the parts included in the initial parts kit for each configuration **shall** be provided; and

(e) **Material Safety Data Sheets**

- i The contractor **shall** provide a listing of all hazardous materials used on the vehicle;

- ii If there are no hazardous materials used, this **shall** be stated on the listing; and
- iii The contractor **shall** provide material safety data sheets of all hazardous materials in the list.

(f) **Distribution of copies of Warranty Letter** - A completed copy of the warranty letter template, in electronic format, **shall** be provided to the **Technical Authority**.

4.2 **Training** - The following applies:

(a) **Training - Familiarization**

- i The contractor **shall** provide a familiarization course;
- ii The familiarization course **shall** include operation and maintenance segments demonstrating, as a minimum, all safety measures required for safe vehicle use and maintenance;
- iii The familiarization course **shall** include 1-day (8 hours) of training;
- iv The familiarization course **shall** accommodate up to 8 personnel;
- v The familiarization course **shall** be provided at each delivery destination;
- vi The familiarization course **shall** be in the official language requested;
- vii The date for the familiarization course **shall** be arranged with the **Technical Authority**, or the identified user or designated contact person; and
- viii After completion of the familiarization course, the contractor **shall** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee. The **Technical Authority** will supply this document in a digital format upon request.