



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
AGRICULTURAL TRACTOR

1. SCOPE

1.1 **Scope.** This purchase description covers the requirements for agricultural tractors.

1.2 **Instructions**

- (a) Requirements that are identified by the word “**must**”, **must** be treated as 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 provided 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 Purchase Description, a copy of the certification or **Equivalent must** be supplied, when requested by the **Technical Authority**.
- (f) While the International System of Units (SI) **must** be used as the primary system of measurement to define requirements of this Purchase Description, 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.
- (g) Dimensions stated as nominal **must** be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but that differ from the actual dimensions.

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 that 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-specified requirements.
- (e) “**Bilingual**” means both official languages; English and French.

OPI: DSVPM 4 – BPR: DAPVS 4

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2. APPLICABLE DOCUMENTS

2.1 Government Furnished Documents. NOT APPLICABLE

2.2 Other Publications. Canada will not be supplying any reference documents. Effective documents are those in effect on the date of the manufacture of the vehicle. Information on the organization is supplied below.

- (a) Hazardous Products Act
Government of Canada / Department of Justice
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>
- (b) International Organization for Standardization (ISO)
ISO Central Secretariat
Chemin de Blandonnet 8
CP 401
1214 Vernier, Geneva
Switzerland
<http://www.iso.org/iso/home.htm>
- (c) SAE Standards
SAE World Headquarters
400 Commonwealth Dr.,
Warrendale, PA, 15096-0001
<http://www.sae.org>
- (d) American Society of Agricultural and Biological Engineers (ASABE)
2950 Niles Road
St. Joseph, MI 49085
<https://www.asabe.org/>

3. REQUIREMENTS

3.1 Standard Design

- (a) The vehicle **must** be the latest model from a manufacturer who has demonstrated acceptability by selling, in North America, this type and size class of vehicle for at least three (3) years.
- (b) The vehicle **must** include all components, equipment 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, upon request, for this application, from the original manufacturers of the major equipment, systems and assemblies.
- (d) The vehicle **must** conform to all applicable laws, regulations and industrial standards in effect in Canada at the time of manufacture. The regulatory areas may include but are not necessarily limited to manufacturing, health and safety, noise levels, environment and emissions.
- (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/equipment **must** operate under the extremes of weather conditions found in Canada in temperatures ranging from -35 to 40°C.

- 3.2.3 **Terrain.** The vehicle **must** propel itself in the forward and reverse directions during on-road and off-road operations (e.g. construction sites, open fields and dirt tracks) during all seasons, in all-weather conditions.
- 3.3 **Safety Standards**
- 3.3.1 **Hazardous Materials.** The contractor **must** comply with the Hazardous Products Act of Canada with regards to the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the manufacture and assembly of the product supplied.
- 3.4 **Performance.**
- (a) The vehicle **must** be an agricultural tractor.
 - (b) The tractor **must** have an engine net rated power of at least that given as “**POWER**” in the Data Table, Appendix 1 for the given configuration.
 - (c) The tractor’s engine net rated power **must** be less than that given as “**POWER**” in the Data Table, Appendix 1 for the next higher configuration, except for Configuration H.
- 3.5 **Equipment, Attachments, Accessories and Features**
- 3.5.1 **Equipment**
- (a) **Rear Three-Point Hitch.** A rear three-point hitch **must** be provided.
 - (b) **Rear Power Take-Off (PTO)**
 - i A rear power take off (PTO) **must** be provided.
 - ii PTO sizes/dimensions **must** be in accordance with ASABE AD500-1 for the power and torque transmitted.
 - (c) **Counterweights**
 - i A front mounted counterweight carrier **must** be provided.
 - ii Front or rear counterweights required for the operation of the selected attachments **must** be provided.
 - (d) **Slow Moving Vehicle Sign.** The vehicle **must** be provided with a permanently mounted slow moving vehicle sign.
- 3.5.2 **Attachments, Accessories and Features.** The following **must** be provided when indicated with an “✓”, in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.
- (a) **Loader**
 - i A set of loader arms **must** be provided.
 - ii When provided with the loader arms, the vehicle **must** have a rated load at pivot pins at maximum height of at least that given as “**RATED LOAD**” in the Data Table, Appendix 1.
 - iii The loader arms **must** be provided with manufacturer’s standard bucket.
 - iv The bucket **must** be provided with bolt-on replaceable cutting edges.
 - (b) **Forklift Attachment**
 - i A forklift attachment **must** be provided.
 - ii The forklift attachment **must** mount on the loader arms.

- iii The forklift attachment **must** be provided with forks with a nominal length of 1,219 mm.
- iv The capacity of the forks **must** be compatible with the rated operating capacity of the loader arms.
- v The forks **must** be approved by the vehicle OEM for use on the specific loader arms.

(c) **Mid Mount Cutting Deck**

- i A mid mounted cutting deck **must** be provided.
- ii The cutting deck **must** have a cutting width of at least 1800 mm.
- iii The cutting deck **must** be provided with anti-scalping rollers at the front of the cutting deck and either anti scalping rollers or skids at the rear.

(d) **Heavy Duty Rotary Cutter**

- i A heavy duty rotary cutter **must** be provided.
- ii The heavy duty rotary cutter **must** mount on the 3 point hitch or be towed by a drawbar.
- iii The heavy duty rotary cutter **must** be powered by the rear PTO.
- iv Heavy duty rotary cutters with a cutting width greater than 2,600 mm **must** be provided with folding wings.
- v The folding wings **must** be provided with a powered system to raise the wings to the transport position.
- vi The folding wings **must** adjust automatically up and down to follow ground contour when operating.
- vii The rotary cutters **must** be protected by a steel deck with front and rear safety chains or equivalent.
- viii The heavy duty cutter **must** cut grass and brush up to 85 mm in diameter.
- ix The heavy duty rotary cutter **must** have an adjustable cutting height.

x **Heavy Duty Rotary Cutter Width** (size will be specified in the solicitation)

1. **6 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 1,675 mm and no more than 1,980 mm.
2. **8 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 2,285 mm and no more than 2,590 mm.
3. **12 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 3,450 mm and no more than 3,860 mm.
4. **15 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 4,275 mm and no more than 4,875 mm.
5. **20 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 5,800 mm and no more than 6,400 mm.
6. **30 Foot Heavy Duty Rotary Cutter**. The mower **must** have a cutting width of no less than 8,800 mm and no more than 9,500 mm

(e) **Winged Rotary Grooming Mower**

- i A grooming rotary mower with folding wings **must** be provided.

- ii The folding wings **must** be provided with a hydraulically powered system to raise the wings to the transport position.
- iii The folding wings **must** adjust automatically up and down to follow ground contour when mowing.
- iv **Winged Rotary Grooming Mower Width** (size will be specified in the solicitation)
 - 1. **10 Foot Winged Rotary Mower**. The mower **must** have a cutting width of no less than 2,890 mm and no more than 3,210 mm.
 - 2. **12 Foot Winged Rotary Mower**. The mower **must** have a cutting width of no less than 3,450 mm and no more than 3,860 mm.
 - 3. **15 Foot Winged Rotary Mower**. The mower **must** have a cutting width of no less than 4,275 mm and no more than 4,875 mm.

(f) **Right Side Flail Mower**

- i A right hand side flail mower **must** be provided.
- ii The flail mower **must** off-set to the right to cut roadside grass.
- iii The flail mower **must** hydraulically articulate at least 40 degrees below grade, with a pivot point to the outside of the tractor right wheels path in order to cut roadside grass in a ditch.
- iv The flail mower **must** hydraulically fold up to a vertical transport position (at pivot point).
- v The mower **must** have a positive manual transport lock.
- vi The mower **must** be fitted with coarse cut knives.
- vii The mower **must** be shipped with a complete replacement set of spare coarse cut knives.
- viii The mower **must** have front and rear trash deflectors.
- ix The mower **must** mount on tractor 3-point hitch.
- x The mower **must** be powered by the tractor's PTO and/or hydraulic system.
- xi The mower **must** have a cutting width of at least 1520 mm.

(g) **Front-Mounted Snow Blower**

- i A front-mounted snow blower **must** be provided.
- ii The front-mounted snow blower **must** be provided with a lifting mechanism.
- iii The front-mounted snow blower **must** be provided with chute controls at the operator's station.
- iv The front-mounted snow blower **must** be provided with adjustable height skates.
- v The front-mounted snow blower **must** be provided with bolt-on replaceable cutting edges.
- vi The front-mounted snow blower cutting swath **must** exceed the width of the tractor.

(h) **Rear-Mounted Rear-Facing Snow Blower**

- i A rear-mounted, rear-facing snow blower **must** be provided.
- ii The rear-mounted snow blower **must** mount on the 3 point hitch.

- iii The rear-mounted snow blower **must** be powered by the rear PTO.
- iv The rear-mounted snow blower **must** be provided with chute controls at the operator's station.
- v The rear-mounted snow blower **must** be provided with adjustable height skates.
- vi The rear-mounted snow blower **must** be provided with bolt-on replaceable cutting edges.
- vii The rear-mounted snow blower cutting swath **must** exceed the width of the tractor.

(i) **Rear-Mounted Forward-Facing Snow Blower**

- i A rear-mounted, forward-facing snow blower **must** be provided.
- ii The rear-mounted, forward-facing snow blower **must** mount on the 3 point hitch.
- iii The rear-mounted snow blower **must** be powered by the rear PTO.
- iv The rear-mounted, forward facing snow blower **must** be provided with chute controls at the operator's station.
- v The rear-mounted, forward facing snow blower **must** be provided with adjustable height skates.
- vi The rear-mounted, forward facing snow blower **must** be provided with bolt-on replaceable cutting edges.
- vii The rear-mounted, forward snow blower cutting swath **must** exceed the width of the tractor.

(j) **Angle Dozer Blade**

- i A front mounted, angling dozer blade **must** be provided.
- ii The front angling dozer blade **must** be provided with a lifting mechanism.
- iii The front angling dozer blade **must** be provided with bolt-on replaceable cutting edges.
- iv The front angling dozer blade **must** be controlled from the operator's station.
- v The controls **must** move the front angling dozer blade between the angles of at least 25 degrees to the left and right.
- vi The dozing path, with the blade angled at 25 degrees, **must** exceed the width of the tractor.

(k) **Rear Blade, Manually Adjusted**

- i A forward facing, three point hitch mounted, rear blade **must** be provided.
- ii The rear blade moldboard **must** be at least 408 mm high.
- iii The rear blade **must** be provided with removable end plates.
- iv The rear blade **must** angle at least 20 degrees to the left and right.
- v The dozing path, with the blade angled at 20 degrees, **must** exceed the width of the tractor.

(l) **Rear Blade, Hydraulically Adjusted**

- i A forward facing, three point hitch mounted, hydraulically adjusted, rear blade **must** be provided.

- ii The hydraulically adjusted rear blade moldboard **must** be at least 609 mm high.
- iii The hydraulically adjusted rear blade **must** be provided with removable end plates.
- iv The angle adjustment **must** be hydraulically controlled from the operator station.
- v The hydraulically adjusted rear blade **must** angle at least 20 degrees to the left and right.
- vi The dozing path, with the blade angled at 20 degrees, **must** exceed the width of the tractor.

(m) **Front-Mounted Sweeper**

- i A power, angling, front-mounted rotary sweeper **must** be provided.
- ii The front-mounted rotary sweeper **must** be provided with a lifting mechanism.
- iii The front-mounted rotary sweeper **must** angle at least 25 degrees to the left and right.
- iv The sweeping path, when angled at 25 degrees, **must** exceed the width of the tractor.
- v The angle adjustment **must** be hydraulically controlled from the operator station.

(n) **Disc Harrow**

- i A disc harrow **must** be provided.
- ii The disc harrow **must** be pulled by the tractor's drawbar.
- iii The disc harrow **must** be provided with notched disc blades.
- iv **Disc Harrow Width** (size will be specified in the solicitation)
 - 1. **12 Foot Disc Harrow**. The disk harrow **must** have a cutting width of no less than 3,450 mm and no more than 3,860 mm.
 - 2. **14 Foot Disc Harrow**. The disk harrow **must** have a cutting width of no less than 4,060 mm and no more than 4,450 mm.
 - 3. **20 Foot Disc Harrow**. The disk harrow **must** have a cutting width of no less than 5,800 mm and no more than 6,300 mm.
 - 4. **22 Foot Disc Harrow**. The disk harrow **must** have a cutting width of no less than 6,500 mm and no more than 6,800 mm.
 - 5. **24 Foot Disc Harrow**. The disk harrow **must** have a cutting width of no less than 7,000 mm and no more than 7,500 mm.

(o) **Tiller**

- i A rear-mounted rotary tiller **must** be provided.
- ii The tiller **must** be powered by the rear PTO.
- iii The tiller tilling depth **must** be at least 155 mm.
- iv The tiller tilling width **must** exceed the width of the tractor.

3.6 **Operator Station**

3.6.1 **Equipment**

(a) **Suspension Seat**

- i The manufacturer's standard padded suspension seat with backrest **must** be provided.
- ii The seat **must** be provided with seat belts conforming to SAE J386 or **Equivalent**.
- iii The seat **must** be fore/aft adjustable without having to move from a seated position.

3.6.2 **Operator Station Accessories and Features.** The following **must** be provided when indicated with an "✓", in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.

(a) **ROPS Structure (Open Operator Station)**

- i A certified Roll-Over Protective Structure (ROPS) **must** be provided.
- ii ROPS certification **must** satisfy SAE J1194 or **Equivalent**.

(b) **Rigid Canopy**. The operator station **must** be provided with a rigid canopy.

(c) **ROPS Cab**

- i A ROPS cab incorporating a certified Roll-Over Protective Structure (ROPS) **must** be provided.
- ii ROPS certification **must** satisfy SAE J1194 or **Equivalent**.
- iii The ROPS cab **must** be weatherproof, pressurized and insulated.
- iv The ROPS cab **must** have a heating system with ventilation and defrosting systems that keeps the windows free from frost and moisture.
- v The ROPS cab **must** have the manufacturer's standard safety glass in the windows.
- vi The ROPS cab **must** have front and rear windshield wipers, and washer system.
- vii The ROPS cab **must** have two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.
- viii The ROPS cab **must** be provided with a rear view mirror(s) providing a full view for safe reverse operations.
- ix **Air Conditioner**. The manufacturer's standard air conditioning system **must** be provided.
- x **Radio**
 - 1. An AM/FM radio **must** be provided.
 - 2. The radio **must** be blue-tooth equipped.
 - 3. The radio **must** turn off automatically when the vehicle is turned off.

3.7 **Engine**. The manufacturer's standard diesel engine **must** be provided.

3.7.1 **Engine Cold Weather Aids**

- (a) The engine **must** be provided with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -35° C.
- (b) The engine **must** have one of the following systems: ether injection, glow plug(s), intake air preheat or **Equivalent**.
- (c) One or more 110-Volt engine heaters that have a capacity as recommended by the engine manufacturer or conforming to SAE J1310 **must** be provided.

3.7.2 **Engine Accessories**. The following **must** be provided when indicated with an “✓”, in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.

(a) **Fuel-Fired Pre-Heater**

- i An Original Equipment Manufacturer approved fuel-fired engine coolant preheat system **must** be provided.
- ii The fuel-fired pre-heater **must** be provided with a 7 day programmable timer.
- iii The fuel-fired pre-heater **must** draw its fuel from the vehicle fuel tank and operate without power from outside the vehicle.

3.8 **Transmission**

- (a) The vehicle **must** be provided with a continuous power transmission such as a power shift, power shuttle or hydrostatic transmission.
- (b) **4 Wheel Drive**. A 4 wheel drive system **must** be provided.

3.9 **Brake System**. Commercially equipped.

3.10 **Steering**. Commercially equipped.

3.11 **Tires**. The vehicle's tires **must** have R-4 Industrial treads or **Equivalent**.

3.11.1 **Tire Accessories**. The following **must** be provided when indicated with an “✓”, in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.

- (a) **R1 Agricultural Treads**. The vehicle's tires **must** have R-1 Agriculture treads in lieu of R4 tires.
- (b) **Turf Treads**. The vehicle's tires **must** have Turf treads in lieu of R4 tires.

3.12 **Controls**. Commercially equipped.

3.13 **Instruments**. The instruments **must** include an hour-meter.

3.14 **Electrical System**. Commercially equipped.

3.15 **Lighting**. The vehicle **must** have the manufacturer's standard lights package for safe operation.

3.15.1 **Lighting Accessories**. The following **must** be provided when indicated with an “✓”, in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.

(a) **Amber Coloured Beacon**

- i An amber-coloured omni-directional beacon or **Equivalent must** be provided.
- ii The beacon **must** be mounted so as to provide maximum visibility over 360 degrees.
- iii The beacon **must** be LED or **Equivalent**.

(b) **Blue Coloured Beacon**

- i A blue coloured omni-directional beacon or **Equivalent must** be provided.
- ii The beacon **must** be mounted so as to provide maximum visibility over 360 degrees.
- iii The beacon **must** be LED or **Equivalent**.

(c) **Work Lights**

- i The lighting package **must** include work lights to illuminate to the front and rear of the vehicle.

- ii The work lights **must** be activated by a separate dashboard switch.
- iii The work lights **must** be LED or **Equivalent**.

3.16 **Hydraulic System**. Commercially equipped.

3.16.1 **Hydraulic Accessories**. The following **must** be provided when indicated with an “✓”, in the Attachments, Accessories and Features Table, Appendix 1 and specified in the solicitation.

- (a) **Valves for 4 Extra Functions**. 4 extra sets of hydraulic connections (4 outlet and 4 inlets) **must** be provided at the rear of the vehicle.

3.17 **Lubricants and Hydraulic Fluids**

- (a) Manufacturer's standard synthetic non-proprietary lubricants and hydraulic fluids **must** be provided.
- (b) Lubrication fittings **must** conform to SAE J534 or an **Equivalent** North American Standard.
- (c) A service label, visible from the operator's seat, indicating the types of fluid and viscosity delivered with the vehicle **must** be provided.

3.18 **Labels**. All written warning and instruction labels **must** be in English and French.

3.19 **Vehicle Delivery Condition**

- (a) If the vehicle requires assembly at destination, the contractor **must** be responsible for all manpower and equipment to perform assembly.
- (b) The space for assembly at destination will be provided, if required.
- (c) Fuel tank(s) **must** be half to three quarters full on delivery.

4. INTEGRATED LOGISTICS SUPPORT (ILS)

4.1 **Deliverables**

4.1.1 **General Requirements**

- (a) Sample ILS documents **must** be submitted to the **Technical Authority** prior to the delivery of the vehicle/equipment for each configuration/model and their accessories, for approval. Sample ILS documents will not be returned.
- (b) **Technical Authority** approval, request for additional documentation or request for amendments will be supplied within 15 working days of receipt.
- (c) The Contractor **must** supply the additional documentation or implement the changes as requested by the **Technical Authority**.
- (d) **Digital Documents**
 - i All digital copies **must** be supplied in searchable PDF format unless stated otherwise.
 - ii Digital copies **must** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
 - iii Digital copies of manuals **must** be supplied on a CD or DVD (**USB sticks cannot be used on DND computers**).
 - iv Digital copies of other ILS documents **must** be provided by email to the TA or on CD or DVD.
 - v CD/DVD **must** be permanently and legibly marked with the equipment description and a list of contents.

- (e) **Paper Documents**. All paper copies of ILS documents delivered **must** have the same content as the digital copy approved by the **Technical Authority**.

4.1.2 **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.

Element	Format/ Medium	Delivered to TA by E-mail for approval	Delivered to TA by mail/courier for approval	Supplied with each Vehicle/ equipment	Remarks	Reference Paragraph
Photograph and Line Drawing Package	Digital	X	-	-	JPEG	4.2.1
Data Summary	Digital	X	-	-	Microsoft Word	4.2.2
Initial Parts Kit List	Digital	X	-	-	PDF	4.2.3
Warranty Letter	Digital	X	-	-	PDF	4.2.4
	Paper	-	-	X	-	
Safety Data Sheets Package	Digital	X	-	-	PDF	4.2.5
	Paper	-	-	X	-	
Set of Manuals	Digital	-	X	X	PDF - on CD/DVD*	4.2.6
	Paper	-	-	X	-	
Initial Parts Kit	-	-	-	X	1 kit	4.2.7
Set of keys	-	-	-	X	2 sets	4.2.8

Note: * One CD/DVD should be used for all e-manuals covering a configuration/model and its accessories.

4.1.3 **Training deliverables.** The following training elements **must** be provided when specified in the solicitation.

Element	Format/ Medium	Delivered to TA by E-mail for approval	Remarks	Reference Paragraph
Course syllabus	Digital	X	-	4.3.1
Familiarization training	-	-	Delivery in person, at the location specified in the contract.	4.3.1
Proof of Training Certificate	Digital	X	TA will provide template	4.3.1

4.2 **ILS Elements Description**

4.2.1 **Photograph and Line Drawing Package (DND only)**

- (a) DND requires photographs and line drawings for documentation and cataloguing purposes. The Photograph and Line Drawing Package **must** include:
 - i Two (2) digital colour photographs, one (1) left-front three-quarter view, and one (1) right-rear three-quarter view of each configuration/model;
 - ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment; and
 - iii One (1) front-view and one (1) side-view line drawing showing dimensions of the vehicle/equipment. Brochure line drawings are acceptable.
- (b) Photographs **must** have a plain background and be in a JPEG (Joint Photographic Experts Group) format with a resolution of at least eight (8) Mega pixels.

4.2.2 **Data Summary (DND only)**

- (a) The **Technical Authority** will supply a bilingual Data Summary Template (in Microsoft Word format) to the Contractor.
- (b) The data summary **must**:
 - i Use the **Technical Authority** provided bilingual template;
 - ii Be a separate document for each configuration/model;
 - iii Include accessories and features; and
 - iv Be delivered in Microsoft Word format.

4.2.3 **Initial Parts Kit List**

- (a) The Initial Parts Kit List **must** include:
 - i A complete list of parts needed to perform preventive maintenance on one (1) vehicle/equipment for a period of one (1) year, in accordance with the maintenance manual, for each configuration/model;
 - ii A complete change of all filters and filter elements; and
 - iii The following elements for each part listed: part description; Original Equipment Manufacturer (OEM) Part number; suggested quantity; and, unit cost.

4.2.4 **Warranty Letter**

- (a) The **Technical Authority** will supply a bilingual Warranty Letter Template (in PDF format) to the Contractor.
- (b) The Warranty Letter **must**:
 - i Use the **Technical Authority** provided bilingual template;
 - ii Contain a complete description of the warranty requested with the warranty terms and conditions;
 - iii Contain the complete warranty details on any system or sub system warranty that exceeds the minimum requested; and
 - iv Contain the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.

4.2.5 **Safety Data Sheets Package**

- (a) The Safety Data Sheets Package **must** include:
 - i A bilingual (or a separate French and an English) list of all hazardous materials used on the vehicle/equipment; and
 - ii A complete bilingual set (or a set in French and a set in English), off all the safety data sheets for all hazardous materials in the list.
- (b) If there are no hazardous materials used, this **must** be stated on the list.

4.2.6 **Set of Manuals**

- (a) The set of manuals for each configuration/model **must** include:
 - i The French and English (or bilingual) operator manual(s);
 - ii The French and English (or bilingual) maintenance (shop repair) manual(s); and
 - iii The English or bilingual parts manual(s).
- (b) The set of manuals **must** include manuals (operator, maintenance (shop repair) and parts) for all major components, all attachments, accessories and features for the configuration/model supplied. Accessory manuals may be included as supplements to the vehicle manuals.

4.2.7 **Initial Parts Kit**. The Contractor **must** supply one (1) complete set of parts contained in the approved Initial Parts Kits List with each vehicle/equipment.

4.2.8 **Set of keys**. The Contractor **must** supply at least two (2) sets of keys with each vehicle/equipment.

4.3 **Training**

4.3.1 **Familiarization Training**

- (a) The Contractor **must** deliver a familiarization course optimized for trained operators and technicians.
- (b) The course **must** be delivered at the delivery destination, unless stated otherwise in the contract.
- (c) The course **must** be delivered in the official language (English or French) specified in the contract for that delivery destination.
- (d) The instructor **must** be an OEM Factory Certified Training Provider.
- (e) **Syllabus**
 - i The Contractor **must** provide the familiarization training course syllabus, in the same language as the course delivery, for review and approval by the **Technical Authority**.
 - ii The operator familiarization portion of the course **must** include, but is not limited to, safety precautions to be observed while operating and servicing, operating characteristics, calibration, pre-operating and pre-shutdown procedures and daily/weekly operator servicing procedures for the vehicle/equipment, attachments, features and accessories.
 - iii The technician familiarization portion of the course **must** include, but is not limited to, operation and maintenance safety precautions, overview of air, hydraulic and electrical systems (as applicable), preventive maintenance including servicing schedules, inspection and maintenance requirements, special

tools and test equipment (as applicable), diagnostics, troubleshooting, testing and adjustments for the vehicle/equipment, attachments, features and accessories.

- (f) The familiarization course **must** have a minimum duration of four (4) hours for operators and four (4) hours for technicians.
- (g) The familiarization course **must** accommodate up to eight (8) people (4 operators and 4 technicians).
- (h) The date for the familiarization course **must** be arranged with the **Technical Authority**.
- (i) After completion of the familiarization course, the Contractor **must** have the “**Proof of Training**” certificate signed by the senior course attendee.
- (j) The **Technical Authority** will supply the “**Proof of Training**” certificate template in a digital format.