ENVIRONMENT AND CLIMATE CHANGE CANADA

Program: Vehicle and Engine Emissions



PGA: Environment and Climate Change Canada Program: Vehicle and Engine Emissions

Implementation of the CBSA Single Window Initiative (SWI)

The Vehicle and Engine Emission Regulations are aimed at reducing the contribution to air pollution caused by on-road and off-road vehicles, engines and machines in Canada through the implementation of emission performance standards and test procedures for vehicles and engines manufactured in Canada or imported into Canada for the purpose of sale.

These standards and test procedures are closely aligned with those of the U.S. Environmental Protection Agency (EPA). Therefore, products certified for sale in the U.S. are, for the most part, eligible for sale in Canada.

Canada has introduced several regulations under the authority of the Canadian Environmental Protection Act, 1999 (CEPA) to help reduce air pollutant and greenhouse gas emissions from vehicles and engines.

There are four vehicle and engine emission regulations currently in effect. These regulations pertain to emissions from:

- 1. On-road vehicles and engines
- 2. Off-road small spark-ignition engines
- 3. Off-road compression-ignition engines
- 4. Marine spark-ignition engines, vessels and off-road recreational vehicles

Currently, all companies importing vehicles, engines, vessels or machines are required to submit to Environment and Climate Change Canada (ECCC), prior to import, a signed import declaration, which includes a statement of conformity. The regulations set out the information that must be contained in the declaration.

The CBSA's Single Window Initiative (SWI) provides an alternate way to submit importation declarations, meaning that a separate declaration to ECCC is not required when using SWI.

Release requests for vehicles, engines, vessels and machines may be provided to the CBSA electronically by submitting an IID (Service option 911). The data elements required in the IID vary depending on the prescribed product(s) being imported and he applicable regulations. CBSA will transmit applicable data elements directly to the ECCC for their review and retention.

Note: Under SWI, information requirements will remain the same. There are no additional data requirements for the import process.

Harmonized System (HS) Codes

A listing of the HS Codes subject to the Vehicle and Engine Emissions Program can be found in the Data Element Matching Criteria Tables: https://www.cbsa-asfc.gc.ca/prog/sw-gu/regcom-marreg/eccc-eccc-eng.htmll

Data Element Rationales

The importation declaration serves to verify compliance as it includes a statement of conformity (Affirmation of Statement Compliance).

Below are the specific Data Element requirements under the Vehicle and Engine Emissions Program:

Contact Identification	Importer Contact Name
Contact Method	Importer telephone, E-mail address & Fax number
Make of Vehicle	Vehicle Class

Make of Engine	Engine Class
Model of Vehicle	Vehicle Manufacturer Name
Model of Engine	Affirmation of Statement of Compliance
Model Year of Vehicle	Engine Power Rating
Model Year of Engine	Make of Machine
Engine Manufacturer Name	Model of Machine
Vehicle Identification Number (VIN)	Model Year of Machine
Engine Identification Number	Machine Manufacturer Name
Name of Engine Family	Criteria Conformance
Test Group Name	Criteria Conformance Importer Telephone Number
Importer Name	Importer E-mail Address

Electronic Commerce Client Requirements Document (ECCRD)

The following table provides the specific rules and conditions associated to each of the data elements for ECCC Declarations. The data elements are: Mandatory (M), Conditional (C) or Optional (O).

Data element name	PGA element definition	Data element status	Data element rules and conditions
Contact Identification	Importer Contact Name	М	The name of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Telephone Number	М	The telephone number of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's	М	The e-mail address of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Email Address	0	The fax number of a person knowledgeable about the specific shipment of goods

			The following code must be provided for vehicles, engines
			and equipment to which this program's regulations apply: ECCC – On-Road Vehicles, Engines and Equipment (XE01) If a client has authorization to apply the National Emissions Mark (NEM) by ECCC and the NEM is applied to their goods then they are not required to declare goods upon import. Authorized clients may provide code XE05 in this field in lieu of code XE01.
PGA Exception Process	Importer's Fax Number	С	If the goods are subject to the Vehicle and Engine Emissions Program regulations, but the client has bulk reporting approval from ECCC, they must provide code XE06 in this field.
			If the goods are not subject to any of the Vehicle and Engine Emissions Program regulations, clients must provide code XE99 in this field. Only one Vehicle and Emissions Program exception code is permitted at the declaration level. If multiple exception process codes apply to the IID, they must be reported at the commodity level (SG125.RCS).
Commodity Characteristic (brand name)	Make of vehicle	0	The make of the vehicle can be provided.
Commodity Characteristic (Engine)	Make of engine	0	The make of the engine can be provided.
Commodity name (model)	Model of vehicle	0	The model name of the vehicle can be provided.
Commodity Characteristic (Engine)	Model of engine	0	The model name of the engine can be provided.
Commodity name (model year)	Model Year of vehicle	0	The model year of the vehicle can be provided in CCYY format.
Commodity Characteristic (Engine)	Model Year of Engine	0	The model year of the engine can be provided in CCYY format
Commodity Characteristic (Engine)	Engine Manufacturer Name	0	The Name of the engine manufacturer may be provided.
Commodity Identity number	Vehicle Identification Number (VIN)	0	The 17 digit VIN can be provided.
Commodity Identity number (Engine number)	Engine Identification Number	0	The engine identification number can be provided.
Commodity Characteristic	Name of the engine Family	М	The name of the engine family must be provided.
Contact Identification	Importer Name	М	The importer's name must be provided.
Contact Method	Importer Telephone Number	М	The importer's telephone number must be provided.
Contact Method	Importer Email Address	М	The importer's email address must be provided.
Commodity Characteristic	Test Group Name	0	The name of the vehicle test group can be provided.

Canadian Product Category	Vehicle Class	С	 The coded class of on-road vehicles must be provided, as applicable. Light-duty vehicles Light-Duty Trucks Medium-Duty Passenger vehicles On-Road Motorcycles Heavy-Duty Class 2B Vehicles with installed engine Heavy-Duty Class 3B Vehicles with installed engine Heavy-Duty Vocational Vehicles with installed engine Heavy-Duty Tractors with Installed engine Incomplete Vehicles For additional information on vehicles classes, please refer to the On-Road Vehicle and Engine Emissions Regulations, the Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations and the Heavy-duty Vehicle and Engine Greenhouse Gas Emission
Canadian Product Category	Engine Class	С	 The coded class of the on-road engines must be provided if the commodity being imported is a loose engine of a Heavy- Duty Vehicle. Heavy Duty Engine – Loose Heavy Duty Engine – Incomplete For additional information on engine classes, please refer to the On-Road Vehicle and Engine Emissions Regulations and the Heavy-duty Vehicle and Engine Greenhouse Gas Emission Regulations.
Manufacturer	Vehicle Manufacturer Name	С	The name of the Manufacturer of the Vehicle may be provided if not provided at SG102 or if different than the Manufacturer Name provided at SG102.
Affirmation of Compliance, coded	Affirmation of Statement Compliance	М	At least one of the following compliance statements must be provided, as appropriate for this commodity. National Emissions Mark EPA Certified or Considered Equivalent to EPA Certified Canada Unique Vehicles, Engines Incomplete Vehicles or Engines The Affirmation of Statement Compliance of Incomplete Vehicles or Engines, code EC04, must be provided for Incomplete Vehicles or Engines. Please refer to the ECCRD: Appendix G23, PGA Compliance Statement, for descriptions of the codes.

Off-Road Compression (Diesel) Engines

Data element name	PGA element definition	Data element status	Data element rules and conditions
Contact Identification	Importer Contact Name	М	The name of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Telephone Number	М	The telephone number of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's E-mail Address	М	The e-mail address of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Fax Number	0	The fax number of a person knowledgeable about the specific shipment of goods
PGA Exception Process	Exception Process	С	 The following code must be provided for engines to which this program's regulations apply: EC – Off-Road Compression (Diesel) Engines (XE02) If the goods are subject to the Vehicle and Engine Emissions Program regulations, but the client has bulk reporting approval from ECCC, they must provide code XE06 in this field. If the goods are not subject to any of the Vehicle and Engine Emissions Program regulations, clients must provide code XE99 in this field. Only one Vehicle and Emissions Program exception code is permitted at the declaration level. If multiple exception process codes apply to the IID, they must be reported at the
Commodity	Engine Manufacturer	M	commodity level (SG125.RCS). The Name of the engine manufacturer must be provided.
Characteristic (Engine) Commodity Characteristic (Engine)	Name Engine Power Rating	0	The qualifier code for Engine Power Rating can be provided in element 7009 with the value and unit of measure of KW or HP in element 7008.
Commodity Characteristic (Engine)	Make of engine	М	The make of the engine must be provided.
Commodity Characteristic (Brand Name)	Make of machine	С	The make of machine must be provided if the coded class of the engine is Off-Road Compression-Ignition – Certified Installed or Off- Road Compression-Ignition – Transition Installed.
Commodity Characteristic (Engine)	Model of engine	М	The model name of the engine must be provided.
Commodity Characteristic (Model)	Model of machine	С	The model name of the machine must be provided be provided if the coded class of the engine is Off-Road Compression-Ignition – Certified Installed or Off-Road Compression-Ignition – Transition Installed.
Commodity Characteristic (Engine)	Model Year of Engine	М	The model year of the engine must be provided in CCYY format.
Commodity Characteristic (Model Year)	Model Year of Machine	0	The model year of the machine can be provided in CCYY format.

Commodity Identity number (Engine number)	Engine Identification Number	0	The engine identification number can be provided.
Commodity Characteristic	Name of the engine Family	Μ	Name of the engine Family Contact Identification
Contact Identification	Importer Name	М	The importer's name must be provided.
Contact Method	Importer Name Importer Telephone Number	Μ	The importer's telephone number must be provided.
Contact Method	Importer Email Address	Μ	The importer's email address must be provided.
Canadian Product Category	Engine Class	М	 The coded class of the engine must be provided, as applicable. Off-Road Compression-ignition – Certified Loose Off-Road Compression-ignition – Certified Installed Off-Road Compression-ignition – Replacement Off-Road Compression-ignition – Transportation refrigeration unit Off-Road Compression-ignition – Transition Loose Off-Road Compression-ignition – Transition Installed Incomplete Engine For additional information on engine classes, please refer to the Off-road Compression Ignition Engine Emission Regulations.
Manufacturer	Machine Manufacturer Name	С	 If the coded class of the engine is one of the following, the name of the Manufacturer of the Machine must be provided if not provided at SG102 or if different than the Manufacturer Name provided at SG102. Off-Road Compression-ignition – Certified Installed Off-Road Compression-ignition – Transition Installed
Affirmation of Compliance, coded	Affirmation of Statement Compliance	М	 At least one of the following compliance statements must be provided, as appropriate for this commodity. National Emissions Mark EPA Certified and Sold Concurrently in Canada and the U.S. Transition and Sold Concurrently in Canada and the U.S Canada Unique Engines Incomplete Engines The Affirmation of Statement Compliance of Incomplete Engines, code EC09, must be provided if the Engine Class is "Incomplete Engine". Please refer to the ECCRD: Appendix G23, PGA Compliance
		Please refer to the ECCRD: Appendix G23, PGA Compliance Statement, for descriptions of the codes.	

Off-Road Small Spark-Ignition (Gasoline) Engines

Data element name	PGA element definition	Data element status	Data element rules and conditions
Contact Identification	Importer Contact Name	М	The name of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Telephone Number	М	The telephone number of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's E-mail Address	М	The e-mail address of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Fax Number	0	The fax number of a person knowledgeable about the specific shipment of goods.
PGA Exception Process	Exception Process	С	 The following code must be provided for engines to which this program's regulations apply: EC – Off-Road Small Spark-Ignition (Gasoline) Engines (XE03). If the goods are not subject to any of the Vehicle and Engine Emissions Program regulations, clients must provide code XE99 in this field.
		Only one Vehicle and Emissions Program exception code is permitted at the declaration level. If multiple exception process codes apply to the IID, they must be reported at the commodity level (SG125.RCS).	
Commodity Characteristic (Engine)	Engine Manufacturer Name	M	The Name of the engine manufacturer must be provided.
Commodity Characteristic (Engine)	Engine Power Rating	0	The qualifier code for Engine Power Rating can be provided in element 7009 with the value and unit of measure of KW or HP in element 7008.
Commodity Characteristic (Engine)	Make of engine	М	The make of the engine must be provided.
Commodity Characteristic (Engine)	Model of engine	M	The model name of the engine must be provided.
Commodity Characteristic (Engine)	Model Year of Engine	М	The model year of the engine must be provided in CCYY format.
Commodity Characteristic (Brand Name)	Make of machine	С	The make of machine must be provided if the coded class of the engine is Off-Road Spark ignition – Installed.
Commodity Characteristic (Model)	Model of machine	С	The model of the machine must be provided if the coded class of the engine is Off-Road Spark ignition - Installed.
Canadian Product Category	Engine Class	M	 The coded class of the engine must be provided, as applicable. Off-Road Spark-ignition – Loose Off-Road Spark-ignition – Installed Off-Road Spark-ignition – Replacement Incomplete Engine
		to the Off-Road Small Spark-Ignition Engine Emission Regulations.	

Commodity Identity number (Engine number)	Engine Identification Number	0	The engine identification number can be provided.
Commodity Characteristic	Name of the engine Family	М	The name of the engine family must be provided. "Engine Family Name" means an alphanumerical code that a manufacturer uses for engines when applying for certification with the U.S. Environmental Protection Agency. It includes information about the model year, the manufacturer (unique identifier), the sector, the engine displacement and the family itself (manufacturer's self-designated identifier). This code can be found on the emission control information label affixed to the engine. A similar code also exists for engines that are offered for sale in Canada but not in the United States (e.g. not EPA certified).
Contact Identification	Importer Name	М	The importer's name must be provided.
Contact Method	Importer Telephone Number	Μ	The importer's telephone number must be provided.
Contact Method	Importer Email Address	М	The importer's email address must be provided.
Manufacturer	Manufacturer Name	С	The name of the Manufacturer of the Machine must be provided if not provided at SG102 or if different than the Manufacturer name at SG102.
Affirmation of Compliance, coded	Affirmation of Statement Compliance	Μ	 At least one of the following compliance statements must be provided, as appropriate for this commodity. National Emissions Mark EPA Certified and Sold Concurrently in Canada and the U.S. Canada Unique Engines Incomplete Engines The Affirmation of Statement Compliance of Incomplete Engines, code EC12, must be provided for Incomplete Engines. Please refer to the ECCRD: Appendix G23, PGA Compliance Statement, for descriptions of the codes.

Marine Spark-Ignition (Gasoline) Engines, Vessels and Off-Road Recreational Vehicles

Data element name	PGA element definition	Data element status	Data element rules and conditions
Contact Identification	Importer Contact Name	М	The name of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Telephone Number	М	The telephone number of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Email Address	Μ	The e-mail address of a person knowledgeable about the specific shipment of goods must be provided.
Contact Method	Importer's Fax Number	0	The fax number of a person knowledgeable about the specific shipment of goods.

PGA Exception Process	Exception Process	С	The following code must be provided for vehicles and engines to which this program's regulations apply: EC - Marine Spark-Ignition Engines, Vessels and Off-Road Recreational Vehicles (XE04) If the goods are subject to the Vehicle and Engine Emissions Program regulations, but the client has bulk reporting approval from ECCC, they must provide code XE06 in this field. If the goods are not subject to any of the Vehicle and Engine Emissions Program regulations, clients must provide code XE99 in this field. Only one Vehicle and Emissions Program exception code is permitted at the declaration level. If multiple exception process codes apply to the IID, they must be reported at the commodity level (SG125.RCS).
Commodity Characteristic (Engine)	Engine Manufacturer Name	М	 The name of the engine manufacturer must be provided, if the coded class of the engine is: Inboard Engine Outboard Engine Personal Watercraft Engine Note: For an engine installed in/on a marine vessel, the vessel information must be provided separately.
Commodity Characteristic (brand name)	Make of vehicle	С	 The make of the vehicle must be provided if the coded class of the vehicle is: Vessels with installed marine engine Vessels without marine engine Snowmobiles All-terrain vehicles Utility vehicles Off-Road Motorcycles Incomplete Vehicle Note: For vessels with installed marine engines, the engine information must be provided separately.
Commodity Characteristic (Engine)	Make of engine	С	 The make of engine must be provided if the coded class of the engine is: Inboard Engine Outboard Engine Personal Watercraft Engine

Commodity name (model)	Model of vehicle	С	The model name of the vehicle must be provided if the coded class of the vehicle is: • Vessels with installed marine engine • Vessels without marine engine • Snowmobiles • All-terrain vehicles • Utility vehicles • Off-Road Motorcycles • Incomplete Vehicle Note: For vessels with installed marine engines, the engine information must be provided separately.
Commodity Characteristic (Engine)	Model of engine	С	 The model of the engine must be provided if the coded class of the engine is: Inboard Engine Outboard Engine Personal Watercraft Engine Note: For an engine installed in/on a marine vessel, the vehicle/vessel information must be provided separately.
Commodity name (model year)	Model Year of vehicle	С	The model year of machine must be provided in CCYY format if the coded class of the vehicle is: • Vessels with installed with marine engine • Vessels without marine engine • Snowmobiles • All-terrain vehicles • Utility vehicles • Off-Road Motorcycles • Incomplete Vehicle Note: For vessels with installed marine engines, the engine information must be provided separately.
Commodity Characteristic (Engine)	Model Year of engine	С	 The model year of the engine must be provided in CCYY format if the coded class of the engine is: Inboard Engine Outboard Engine Personal Watercraft Note: For an engine installed in/on a marine vessel, the vehicle/vessel information must be provided separately.
Commodity Identity number	Vehicle Identification Number (VIN)	0	The 17-digit VIN can be provided.
Commodity Identity number (Engine number)	Engine Identification Number	0	The engine identification number can be provided.
Commodity Characteristic	Name of the engine Family	Μ	The name of the engine family must be provided.
Contact Identification	Importer Name	М	The importer's name must be provided.
Contact Method	Importer Telephone Number	Μ	The importer's telephone number must be provided.

Contact Method	Importer Email Address	М	The importer's email address must be provided.
Commodity Identifier	Evaporative Family	0	The Evaporative Family can be provided.
Canadian Product Category	Vehicle Class	С	 The coded class of the vehicle must be provided, if applicable. Vessels with installed marine engine Vessels without marine engine Snowmobiles All-terrain vehicles Utility vehicles Off-Road Motorcycles Incomplete Vehicle Note: For vessels with installed marine engines, the engine information must be provided separately. For additional information on vehicles classes, please refer to the Marine Spark-Ignition Engine, Vessel and Off-Road Recreational Vehicle Emission Regulations.
Canadian Product Category	Engine Class	С	 The coded class of the engine must be provided, if applicable. Inboard Engine Outboard Engine Personal Watercraft Engine For additional information on engine classes, please refer to the Marine Spark-Ignition Engine, Vessel and Off-Road Recreational Vehicle Emission Regulations.
Manufacturer	Manufacturer Name	С	If the coded class of the vehicle is one of the following, the name of the Manufacturer of the vehicle, machine, or vessel must be provided if not provided at SG102 or if different than the Manufacturer Name provided at SG102: • Vessels with installed marine engine • Vessels without marine engine • Snowmobiles • All-terrain vehicles • Utility vehicles • Off-Road Motorcycles • Incomplete Vehicle Note: For vessels with installed marine engines, the engine information must be provided separately.

Affirmation of Compliance, coded	Criteria conformance	С	At least one of the following compliance statements must be provided, as appropriate for this commodity. • National Emissions Mark • EPA Certified and Sold Concurrently in Canada and the U.S. • Canada Unique Engines, Vessels or Vehicles • Incomplete Engines, Vessels or Vehicles The Affirmation of Statement Compliance of Incomplete Engines, Vessels or Vehicles, code EC16, must be provided for Incomplete Vehicles Engines or Vessels. The Affirmation of Statement Compliance of National Emissions Mark, code EC13, EPA Certified and Sold Concurrently in Canada and the U.S, code EC14 OR Canada Unique Engines, Vessels or Vehicles, code EC15, must be provided for Vessels with installed marine engine. Please refer to the ECCRD: Appendix G23, PGA Compliance
			Statement, for descriptions of the codes.

Additional resources

Regulated Commodities: Reference Code Tables

Legislative References:

Under the **Canadian Environmental Protection Act, 1999** (CEPA 1999), the Vehicle and Engine Emissions Division of Environment and Climate Change Canada implements the following regulations:

- 1. On-Road Vehicle and Engine Emission Regulations
- 2. Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations
- 3. Heavy-duty Vehicle and Engine Greenhouse Gas Emission Regulations
- 4. Off-Road Compression-Ignition Engine Emission Regulations
- 5. Off-Road Small Spark-Ignition Engine Emission Regulations
- 6. Marine Spark-Ignition Engine, Vessel and Off-Road Recreational Vehicle Emission Regulations

Customs Memoranda:

Importation of Vehicles, Engines, Vessels and Machines, Memorandum D19-7-4: https://www.cbsa-asfc.gc.ca/publications/dm-md/d19/d19-7-4-eng.html

Contact Livingston

Have questions or need help with your SWI imports? Contact your Livingston client services representative. Write to us at: **clientserviceCanada@livingstonintl.com** or give us a call at **1-855-225-5544**.

