# ENVIRONMENT AND CLIMATE CHANGE CANADA

Program: Vehicle and Engine Emissions Off-Road Mobile and Stationary Compression (Diesel) and Large Spark-Ignition (Gasoline) Engines



# **PGA: Environment and Climate Change Canada**

# Program: Vehicle and Engine Emissions Off-Road Mobile and Stationary Compression (Diesel) and Mobile Large Spark-Ignition (Gasoline) Engines

# Implementation of the CBSA Single Window Initiative (SWI)

The Off-Road Compression-Ignition (Mobile and Stationary) and large Spark-Ignition Engine Emission Regulations are aimed at reducing the contribution to air pollution in Canada caused by large spark-ignition engines and off-road mobile and stationary compression-ignition engines 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.

Effective June 4, 2021, these regulations repeal and replace previous Off-Road Compression-Ignition Engine Emission Regulations. The new Regulations combine the previous mobile diesel engine standards together with the new large sparkignition engine and stationary diesel engine standards into one consistent framework. There are no changes to the emission standards in the Off-Road Compression-Ignition Engine Emission Regulations and MCI engines of the 2006, and later model years must meet the applicable emissions standards in place at their time of manufacture.

Currently, all companies importing vehicles, engines, vessels or machines are required to submit a signed import declaration to Environment and Climate Change Canada (ECCC), prior to import. This declaration 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: <a href="https://www.cbsa-asfc.gc.ca/prog/sw-gu/regcom-marreg/eccc-eccc-eng.html">https://www.cbsa-asfc.gc.ca/prog/sw-gu/regcom-marreg/eccc-eccc-eng.html</a>

# **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:

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	Qualifier	Codes
Importer Contact Name	Importer Contact Name	М	The name of a person knowledgeable about the specific shipment of goods must be provided.		
Importer Contact Method (phone)	Importer's Telephone Number	M	The telephone number of a person knowledgeable about the specific shipment of goods must be provided.		
Importer Contact Method (email)	Importer's	М	The e-mail address of a person knowledgeable about the specific shipment of goods must be provided.	EM	
Importer Contact Method (fax)	E-mail Address	0	The fax number of a person knowledgeable about the specific shipment of goods.	FX	

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
PGA Exception Process Code (declaration)	Exception Process	С	The following code must be provided for engines to which this program's regulations apply:  ECCC—Off-Road Mobile and Stationary Compression-Ignition (Diesel) and Mobile Large Spark-Ignition (Gasoline) Engines (XE02).  Companies importing for their own use (non-commercial imports) must provide code XE2N. Note: Importers are permitted up to 9 non-commercial imports during the calendar year under the Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations.  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	22	XE02 XE2N XE06 XE99
Item Characteristic	Engine Manufacturer	M	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) for each regulated commodity line.  The Name of the engine manufacturer must be provided.	135	ENG500
(engine) Item 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 <b>KW</b> or <b>HP</b> in element 7008.	135	ENG504
Item Characteristic (engine)	Make of Machine	М	The make of the engine must be provided  Make is the brand of the engine, this may be the same as the manufacturer or a different brand.  If the coded class of the engine is one of the following, the make of machine must be provided:	135	ENG501
Item Characteristic (brand Name)	Model of Machine	С	Engine Class Off-Road Mobile Compression-ignition - Installed Off-Road Stationary Compression-ignition	223	
			- Installed  Off-Road Mobile Large Spark-ignition – Installed  ECOB  ECOB  ECOD		

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
Item Characteristic (engine)	Model of Engine	М	The model name of the engine must be provided.  Model is the commercial name given by the manufacturer	135	ENG502
			to identify the product.  If the coded class of the engine is one of the following, the model name of the machine must be provided:		
ltem	Model of		Engine Class Code  Off-Road Mobile Compression-ignition		
Characteristic (model name)	Machine	С	- Installed  Off-Road Stationary Compression-ignition  EC0B	221	
			— Installed  Off-Road Mobile Large Spark-ignition — Installed  ECOD		
Item Characteristic (engine)	Model Year of Engine	М	The model year of the engine must be provided in CCYY format.	135	ENG503
Item Characteristic (year of production)	Model Year of Machine	0	The model year of the machine can be provided in CCYY format.	228	
Commodity Identity Code (engine identification number)	Engine Identification Number	М	The engine identification number must be provided.	EE	
Commodity Identity Code (authority registered number)	Affirmation of Statement Authorization	С	If the coded affirmation of statement conformity is "The importer is authorized to apply the national emissions mark to the engine and will apply it after importation at the location specified in their application under section 26" (MEO4), the authorization number assigned to the importer by the Minister (Environment and Climate Change Canada) must be provided.	CW	
Commodity Identifier (engine family name)	Name of the Engine Family	М	The name of the engine family must be provided.  "Family Name" means a 12-digit 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 or on the EPA Certificate of Conformity. 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).	EFN	
			An engine with a complete fuel system may have multiple families for exhaust and evaporative certification requirements. All pertinent family names must be reported.		

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
Commodity Identifier (evaporative family name)	Evaporative Family	С	If the coded class of engines is one of the following, the evaporative family must be provided (if applicable):  Off-Road Mobile Large Spark-ignition — Loose Off-Road Mobile Large Spark-ignition — Installed  Evaporative Family Name" is an alphanumerical code that a manufacturer uses for vehicles or 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 evaporative family type and the family itself (manufacturer's self-designated identifier). This code can be found on the emission control information label affixed to the vehicle or engine. A similar code also exists for vehicles or engines that are offered for sale in Canada but not in the United States (e.g. not EPA certified).  An engine with a complete fuel system may have multiple families for exhaust and evaporative certification requirements. All pertinent family names must be reported.	EVN	
Canadian Product Category	Engine Class	С	The coded class of the engine must be provided, as applicable.  Off-Road Mobile Compression-ignition – Loose Off-Road Mobile Compression-ignition – Installed Off-Road Stationary Compression-ignition – Loose Off-Road Stationary Compression-ignition – Installed Off-Road Mobile Large Spark-ignition – Loose Off-Road Mobile Large Spark-ignition – Installed For additional information on engine classes, please refer to the Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations.	EC02	EC15 EC16 EC0A EC0B EC0C EC0D

Data element name	PGA element definition	Data element status	Data element rules and conditions		Qualifier	Codes
			If the coded affirmation of statement conformity is following (MEO2),  • The engine will have its manufacture completed importation into Canada or the manufacture cor in Canada will be limited to either the addition of — an emission control system for exhaust emiss or part of such a system, in a manner that conforthe certificate and the certificate holder's installatinstructions.  — a complete fuel system, or part of such a system in a manner that conforms to the certificate and certificate holder's installation instructions.  And, the coded class of the engine is one of the	prior to mpleted of ions, rms to ation		
			following:	01-		
			Engine Class  Off Dood Mobile Compression ignition   Loose	Code EC15		
			Off-Road Mobile Compression-ignition — Loose  Off-Road Mobile Compression-ignition  — Installed	EC16		5005
			Off-Road Stationary Compression-ignition  – Loose	EC0A		ECOF ECOF
Canadian Product Category	Alternative Standard of Engine	М	Off-Road Stationary Compression-ignition – Installed	EC0B	EC04	EC0F
<i>y</i>	J		Then, one of the following alternative emission state conformity statements must be provided, as approfor this commodity.			ECOL ECOL
			Alternative Standard Conformity Statement	Code		
			Compression-ignition engine that powers an emergency machine.	EC0E		
			Compression-ignition engine that is or will be installed in a machine to be used only in a hazardous location where the maximum permissible surface temperature for the machine is 200°C or less.	EC0F		
			Mobile compression-ignition engine that is to be used exclusively to provide a primary source of electrical power in a remote location.	EC0G		
			Mobile compression-ignition engine that is to be used exclusively at a North Warning System site established by the North American Aerospace Defense Command.	ECOH		
			Mobile compression-ignition engine that is used in a transportation refrigeration unit.	EC0I		
			Stationary compression-ignition engine that is intended to provide electrical power or mechanical work during a power outage.	ECOJ		
			Stationary compression-ignition engine that is a fire-pump engine.	ECOK		
			Stationary compression-ignition engine that is to be used in a remote location.			

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
Commodity Unit Count	Commodity Unit Count	С	The number of items being imported must be provided using the unit count "each" (EA) or "number" (NMB).  Mandatory for all Vehicle and Engine Emissions Program Exception Process Codes.  Note: Once non-commercial importers and companies importing for their own use (i.e., not for the purpose of sale) have surpassed the exempted number of units within the calendar year, all data elements within this appendix become mandatory.  If the coded class of the engine is one of the following, the		
Manufacturer (name)	Machine Manufacturer Name	С	If the coded class of the engine is one of the following, the make of machine must be provided:  Engine Class Off-Road Mobile Compression-ignition - Installed Off-Road Stationary Compression-ignition - Installed Off-Road Mobile Large Spark-ignition — Installed  ECOD	MF	

Data element name	PGA element definition	Data element status	Data element	rules and condit	ions		Qualifier	Codes
Authorized Importer	Affirmation of Statement Engine Location	С	importer is authorized imark to the engine it with	emissions mark i e of conformity (r o Environment an is information, the	he nationally it after insplication unation of sureplacemy be idented addressible engine ad Climate englacement importer irres documents in the importer irres	all emissions inportation at under section statement ent and iffied after is must be a will be kept until to it or, int engine) is Change Canada. attests that they mented to ensure er's possession	AT	

Data element name	PGA element definition	Data element status	Data element	rules and condit	ions		Qualifier	Codes
Authorized Importer	Affirmation of Statement Evidence Location	С	required evide business of the NAD (i.e. the im the name and a retained must I of the coded affirequired evide other than a plant of the coded and the required evide other than a plant of the coded affirequired evide other than a plant of the coded affirequired evide other than a plant of the coded affired evide other than a plant of the coded affired evide other than a plant of the coded affired evide other than a plant of the coded affired evide other than a plant of the coded affired evidence of the coded af	address where evoce provided.  firmation of stater nce of conformity ace of business caddress where evo	is retaine nan what is ata eleme vidence of nent reten is retaine	d at a place of sprovided SG7. In the fields)" (ME10), conformity is tion is "The d at a location enter" (ME11),	AT	
Authorized Importer Contact Type	Evidence of Conformity Contact Name	С	required evide other than a pla	firmation of stater nce of conformity ace of business c contact person at	is retaine f the impo	d at a location orter" (ME11),	IC	
Authorized Importer Contact Method (phone)	Evidence of Conformity Contact Telephone Number	С	required evide	firmation of stater nce of conformity ace of business c nber of a contact	is retaine f the impo	d at a location orter" (ME11), the	TE	

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
PGA Exception Process Code (commodity level)	Exception Process	C	The following code must be provided for vehicles, engines and equipment to which this program's regulations apply:  ECCC—Off-Road Mobile and Stationary Compression-Ignition (Diesel) and Mobile Large Spark-Ignition (Gasoline) Engines (XE02).  Companies importing for their own use (non-commercial imports) must provide code XE2N. Note: Importers are permitted up to 9 non-commercial imports during the calendar year under the Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations.  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.  If multiple exception process codes apply to the IID, they must be reported at the commodity line level (SG125.RCS) for each regulated commodity line. If only one exception process code is applicable to the entire declaration for the Vehicle and Emissions Program, this code may be provided at the declaration level (SG13. RCS).	22	XE02 XE2N XE06 XE99
PGA Compliance Statement Code	Affirmation of Statement Conformity	М	One of the following conformity statements must be provided as appropriate for this commodity.  • The engine will have its manufacture completed prior to importation into Canada or the manufacture completed in Canada will be limited to either the addition of  – an emission control system for exhaust emissions, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  –a complete fuel system, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  • The engine will have its manufacture completed in Canada by another means in accordance with the instructions provided by the manufacturer and will when completed conform with the requirements prescribed under the Regulations.  The importer is authorized to apply the national emissions mark to the engine and will apply it after importation at the location specified in their application under section 26.	22	ME02 ME03 ME04

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
PGA Compliance Statement Code	Affirmation of Statement Compliance	С	If the coded affirmation of statement conformity is the following (MEO2),  The engine will have its manufacture completed prior to importation into Canada or the manufacture completed in Canada will be limited to either the addition of  an emission control system for exhaust emissions, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  a complete fuel system, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  Then, 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  Replacement Engines  Please refer to Appendix G23, PGA Compliance  Statement, for descriptions of the codes.	22	EC05 EC06 EC07 EC08 ME01
PGA Compliance Statement Code	Affirmation of Statement Replacement	С	If the coded affirmation of statement compliance is "Replacement Engines" (MEO1), one of the following replacement engine statements must be provided, as appropriate for this commodity.  The engine is a replacement and the engine it will replace has been identified. The engine is a replacement and the engine it will replace will only be identified after importation.	22	ME05 ME06

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
PGA Compliance Statement Code	Affirmation of Statement Evidence	С	If the coded affirmation of statement conformity is the following (MEO2),  • The engine will have its manufacture completed prior to importation into Canada or the manufacture completed in Canada will be limited to either the addition of  – an emission control system for exhaust emissions, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  – a complete fuel system, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  Then, one of the following evidence statements must be provided as appropriate for this commodity:  • Importer is able to provide the required evidence of conformity.  • Importer has provided the required evidence of conformity to Environment and Climate Change Canada.  Note: If the Affirmation of Statement Conformity is MEO2, this element is considered mandatory unless the coded affirmation of statement compliance is "Replacement Engines" (MEO1) and the coded affirmation of statement replacement is "The engine is a replacement and the engine it will replace will only be identified after importation" (MEO6).	22	ME07 ME08

Data element name	PGA element definition	Data element status	Data element rules and conditions	Qualifier	Codes
PGA Compliance Statement Code	Affirmation of Statement Retention	C	If the coded affirmation of statement conformity is the following (ME02),  The engine will have its manufacture completed prior to importation into Canada or the manufacture completed in Canada will be limited to either the addition of  an emission control system for exhaust emissions, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  a complete fuel system, or part of such a system, in a manner that conforms to the certificate and the certificate holder's installation instructions.  Then, one of the following retention statements must be provided, as appropriate for this commodity:  The required evidence of conformity is retained at the place of business of the importer provided in SG7.NAD (i.e. the importer address data element fields).  The required evidence of conformity is retained at a place of business of the importer other than what is provided in SG7.NAD (i.e. the importer address data element fields).  The required evidence of conformity is retained at a location other than a place of business of the importer.  Note: If the Affirmation of Statement Conformity is ME02, this element is considered mandatory unless the coded affirmation of statement compliance is "Replacement Engines" (ME01) and the coded affirmation of statement replacement is "The engine is a replacement and the engine it will replace will only be identified after importation" (ME06).	22	ME09 ME10 ME11

## **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. Off-Road Compression-Ignition (Mobile & Stationary) and Large Spark-Ignition Engine Emission Regulations
- 3. Overview of Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations
- 4. Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations
- 5. Heavy-duty Vehicle and Engine Greenhouse Gas Emission Regulations
- 6. Off-Road Small Spark-Ignition Engine Emission Regulations
- 7. 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.

