

*ISO 19131 Businesses by Census  
Subdivision – Data Product  
Specifications*

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Revision: A

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## Data product specifications: Businesses by Census Subdivision

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# Data product specifications: Businesses by Census Subdivision

## 1. Overview

### 1.1. Informal description

### 1.2. Data product specification - metadata

This section provides metadata about the creation of this data product specification

Data product specification – title:	Businesses by Census Subdivision
Data product specification - reference date:	January 20, 2021
Data product specification - responsible party:	Science and Technology Branch
Data product specification – language:	English
Data product specification - topic category:	society (Society/Société)

### 1.3. Terms and definitions

- Feature attribute  
characteristic of a feature
- Class  
description of a set of objects that share the same attributes, operations, methods, relationships, and semantics [UML Semantics]  
NOTE: A class does not always have an associated geometry (e.g. the metadata class).
- Feature  
abstraction of real world phenomena
- Object  
entity with a well-defined boundary and identity that encapsulates state and behaviour [UML Semantics]  
NOTE: An object is an instance of a class.
- Package  
grouping of a set of classes, relationships, and even other packages with a view to organizing the model into more abstract structures

### 1.4. Abbreviations

AAFC Agriculture and Agri-Food Canada

## **2. SPECIFICATION SCOPE**

This data specification has only one scope, the general scope.

NOTE: The term 'specification scope' originates from the International Standard ISO19131. 'Specification scope' does not express the purpose for the creation of a data specification or the potential use of data, but identifies partitions of the data specification where specific requirements apply.

### 3. DATA PRODUCT IDENTIFICATION

#### 3.1. Data product identification

##### 3.1.1. Businesses by Census Subdivision

Title	Businesses by Census Subdivision
Alternate Title	Number of businesses by employment classification and NAICS classification per census subdivision
Abstract	<p>The “Businesses by Census Subdivision” is derived from the Statistics Canada’s Business Register. At the request of Agriculture and Agri-Food Canada, Statistics Canada aggregated the number of businesses per NAICS classification and employment class for each Census Subdivision. The data includes the individual occurrences of a business in each census subdivision by indicating its NAICS classification and employment.</p> <p>The name, location, and any other identifying information about the businesses has been suppressed by Statistics Canada.</p>
Purpose	
Topic Category	society (Society/Société)
Spatial Representation Type	<i>textTable</i>
Spatial Resolution	
Geographic Description	
Supplemental Information	<p>The Business Register (BR) is Statistics Canada's continuously-maintained central repository of baseline information on businesses and institutions operating in Canada. As a statistical register, it provides listings of units and related attributes required for survey sampling frames, data integration, stratification and business demographic statistics. The BR is a major pillar of the agency's business statistics programs, including the Census of Agriculture. For more information, visit: <a href="https://www.statcan.gc.ca/eng/survey/business/1105">https://www.statcan.gc.ca/eng/survey/business/1105</a></p>
Constraints	
Keywords	
Scope Identification	dataset
Feature Attribute Names	<i>Census Subdivision ID, NACIS Code, Employment Class, Frequency</i>

## 4. DATA CONTENT AND STRUCTURE

### 4.1. Feature-based application schema

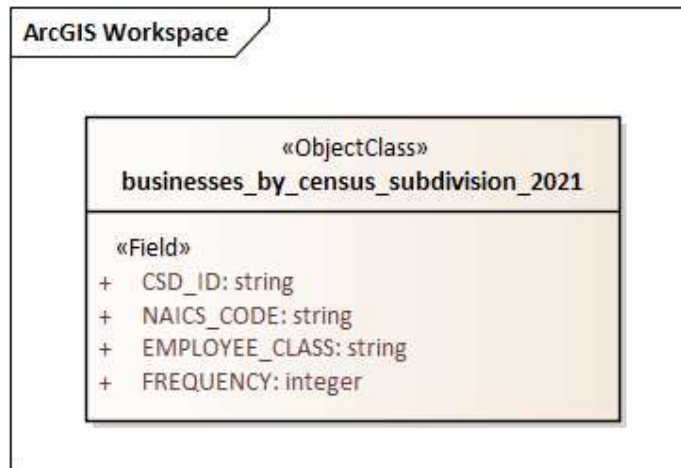


Figure 1 - Businesses by Census Subdivision UML Class Diagram

## 4.2. Feature catalogue – Business Registry by Census Subdivision

Title	<i>Business Registry by Census Subdivision</i>
Scope	<i>dataset</i>
Version Number	<i>1.0</i>
Version Date	<i>January 21, 2021</i>
Producer	<i>Agriculture and Agri-food Canada</i>

System-generated attributes (for example, OBJECTID, Shape, Shape Length and Area) are not defined in the feature catalog.

### 4.2.1. Feature attributes

#### 4.2.1.1. NAICS Code of Business (NAICS\_CODE)

Name	NAICS_CODE		
Definition	The North American Industry Classification System (NAICS) code of the business is related to an industry classification system developed by the statistical agencies of Canada, Mexico and the United States. Created against the background of the North American Free Trade Agreement, it is designed to provide common definitions of the industrial structure of the three countries and a common statistical framework to facilitate the analysis of the three economies. Please refer to the “North American Industry Classification System (NAICS) Canada 2017 Version 3.0” available from Statistics Canada for Code definitions.		
Aliases	NAICS Code of Business		
Producer	Agriculture and Agri-food Canada		
Value Data Type	character		
Value Domain Type	0 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

**4.2.1.2. Employment Class of Business (EMPLOYEE\_CLASS)**

Name	EMPLOYEE_CLASS		
Definition	The classification of the business based on the number of employees.		
Aliases	Employment Class of Business		
Producer	<i>Agriculture and Agri-food Canada</i>		
Value Data Type	<i>character</i>		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Without employees	0	
	1-4 employees	1	
	5-9 employees	2	
	10-19 employees	3	
	20-49 employees	4	
	50-99 employees	5	
	100-199 employees	6	
	200-499 employees	7	
	500 + employees	8	

**4.2.1.3. Census Subdivision ID (CSD\_ID)**

Name	CSD_ID		
Definition	Census Subdivision ID		
Aliases	Census Subdivision ID		
Producer			
Value Data Type			
Value Domain Type			
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

**4.2.1.4. Frequency of Employment Class of Business (FREQUENCY)**

Name	FREQUENCY		
Definition	The frequency, or number of businesses, of the employee class in the Census Subdivision.		
Aliases	Frequency of Employment Class of Business		
Producer			
Value Data Type			
Value Domain Type			
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition



## 5. REFERENCE SYSTEMS

### 5.1. Spatial reference system

Not Applicable – Tabular Data

### 5.2. Temporal reference system

Gregorian calendar

## 6. DATA QUALITY

### 6.1. Completeness

### 6.2. Logical consistency

### 6.3. Positional accuracy

### 6.4. Temporal accuracy

### 6.5. Thematic accuracy

### 6.6. Lineage statement

Lineage Statement	
Scope	

## 7. DATA CAPTURE

*This data was aggregated from the Statistics Canada Business Register to Census Subdivisions by Statistics Canada.*

## 8. DATA MAINTENANCE

*notPlanned*

## 9. PORTRAYAL

Not applicable.

## 10. DATA PRODUCT DELIVERY

*csv*

*format name:* *Comma Delimited*

*format version:* *1.0*

*specification:* *A delimited data format that has fields/columns separated by the comma character*

*languages:* *eng*

*character set:* *utf8*

Delivery medium information/Informations relatives au support de livraison:

units of delivery/Unités de livraison: package

medium name/nom du support: online via HTTPS, online via direct access

Delivery format information/Informations relatives au format de livraison:

## 11. METADATA

The metadata requirements follow the Government of Canada's Treasury Board Standard on Geospatial Data (ISO 19115).