

Census Address to FGDC Address Standard Crosswalk - As a part of the U.S. Census Bureau's Geographic Support System Initiative (GSS-I), the Census Bureau is committed to accepting address and structure point data from our partners beginning in Fiscal Year 2013. This document outlines the address data elements and metadata that the Census Bureau identifies as optimal components in address and structure datasets.

Address Elements: City Style¹ Addresses

Census Address Element	FGDC Address Standard Element(s)	FGDC Address Standard Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
Address Number	Address Number Prefix	The portion of the Complete Address Number which precedes the Address Number itself.	2.2.1.1	The identifier for a land parcel, house, building or other location along a thoroughfare
	Address Number	The numeric identifier for a land parcel, house, building, or other location along a thoroughfare or within a community.	2.2.1.2	
	Address Number Suffix	The portion of the Complete Address Number which follows the Address Number itself.	2.2.1.3	
Complete Street Name	Street Name Pre Modifier	A word or phrase in a Complete Street Name that: 1. Precedes and modifies the Street Name, but is separated from it by a Street Name Pre Type or a Street Name Pre Directional or both, OR 2. Is placed outside the Street Name so that the Street Name can be used in creating a sorted (alphabetic or Alphanumeric) list of street names.	2.2.2.1	Official name of a street as assigned by a governing authority
	Street Name Pre Directional	A word preceding the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.	2.2.2.2	
	Street Name Pre Type	A word or phrase that precedes the Street Name and identifies a type of thoroughfare in a Complete Street Name.	2.2.2.3	
	Seperator Element	A word, phrase, or symbol used as a separator between components of a complex element or class.	2.2.2.4	
	Street Name	The portion of the Complete Street Name that identifies the particular thoroughfare (as opposed to the Street Name Pre Modifier, Street Name Post Modifier, Street Name Pre Directional, Street Name Post Directional, Street Name Pre Type and Street Name Post Type in the Complete Street Name.)	2.2.2.5	
	Street Name Post Type	A word or phrase that follows the Street Name and identifies a type of thoroughfare in a Complete Street Name.	2.2.2.6	
	Street Name Post Directional	A word following the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.	2.2.2.7	
	Street Name Post Modifier	A word or phrase in a Complete Street Name that follows and modifies the Street Name, but is separated from it by a Street Name Post Type or a Street Name Post Directional or both.	2.2.2.8	
Complete Alternate Street Name				A commonly used and recognized alternate name for a street
ZIP Code	Zip Code	A system of 5-digit codes that identifies the individual Post Office or metropolitan area delivery station associated with an address.	2.2.6.3	Should contain five numeric characters

Census Address Element	FGDC Address Standard Element(s)	FGDC Address Standard Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
City	Place Name (Cities/Towns only)	The name of an area, sector, or development (such as a neighborhood or subdivision in a city, or a rural settlement in unincorporated area); incorporated municipality or other general purpose local governmental unit; county or county-equivalent; or region within which the address is physically located; or a name recognized by the U.S. Postal Service for delivery of mail to the address.	2.2.6.1	1) Incorporated municipality or other general purpose local governmental unit OR 2) USPS Post Office name from which mail is delivered to the address
State Name	State Name	The names of the US states and state equivalents: the fifty US states, the District of Columbia, and all U.S. territories and outlying possessions. A state (or equivalent) is "a primary governmental division of the United States." The names may be spelled out in full or represented by their two-letter USPS or ANSI abbreviation.	2.2.6.3	Spelled out in full or represented by the two-letter USPS abbreviation
Tract/Block ⁴				2010 Census Tabulation Tract (6-digit) and Block (4-digit)
Spatial Coordinates ⁵	Address Longitude	The longitude of the address location, in decimal degrees	2.3.2.3	(Latitude, Longitude) Coordinates representing the address location
	Address Latitude	The latitude of the address location, in decimal degrees.	2.3.2.4	
Building Name	Landmark Name	The name of a relatively permanent feature of the manmade landscape that has recognizable identity within a particular cultural context.	2.2.5.2	Name that has been assigned to a structure, i.e. "Homestead Highrise" or "Uptown Condominiums"
Building Identifier	Subaddress Type	The type of subaddress to which the associated Subaddress Identifier applies. (Building, Wing, Floor, etc.)	2.2.4.1	Identifier that has been assigned to a structure, i.e "Tower B" or "Building 1".
	Subaddress Identifier	The letters, numbers, words or combination thereof used to distinguish different subaddresses of the same type when several occur within the same feature.	2.2.4.2	
Complete Subaddress	Subaddress Element	A single combination of Subaddress Type and Subaddress Identifier (or, in some cases, a Subaddress Identifier alone), which, alone or in combination with other Subaddress Elements, distinguishes one subaddress within or between structures from another when several occur within the same feature.	2.2.4.3	Should include both descriptor (e.g. APT, SUITE) and unit identifier (e.g. 1 ,A, BACK)

Address Elements: Non-City Style² Addresses (provided only if City Style address not available)

Census Address Element	FGDC Address Standard Element(s)	FGDC Address Element Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
Complete Street Name	Street Name Pre Modifier	A word or phrase in a Complete Street Name that 1. Precedes and modifies the Street Name, but is separated from it by a Street Name Pre Type or a Street Name Pre Directional or both, or 2. Is placed outside the Street Name so that the Street Name can be used in creating a sorted (alphabetic or Alphanumeric) list of street names.	2.2.2.1	Official name of a street as assigned by a governing authority
	Street Name Pre Directional	A word preceding the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.	2.2.2.2	
	Street Name Pre Type	A word or phrase that precedes the Street Name and identifies a type of thoroughfare in a Complete Street Name.	2.2.2.3	
	Seperator Element	A word, phrase, or symbol used as a separator between components of a complex element or class.	2.2.2.4	
	Street Name	The portion of the Complete Street Name that identifies the particular thoroughfare (as opposed to the Street Name Pre Modifier, Street Name Post Modifier, Street Name Pre Directional, Street Name Post Directional, Street Name Pre Type and Street Name Post Type in the Complete Street Name.)	2.2.2.5	
	Street Name Post Type	A word or phrase that follows the Street Name and identifies a type of thoroughfare in a Complete Street Name.	2.2.2.6	
	Street Name Post Directional	A word following the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.	2.2.2.7	
	Street Name Post Modifier	A word or phrase in a Complete Street Name that follows and modifies the Street Name, but is separated from it by a Street Name Post Type or a Street Name Post Directional or both.	2.2.2.8	
Complete Alternate Street Name				A commonly used and recognized alternate name for a street
ZIP Code	Zip Code	A system of 5-digit codes that identifies the individual Post Office or metropolitan area delivery station associated with an address.	2.2.6.3	Should contain five numeric characters
City	Place Name (Cities/Towns only)	The name of an area, sector, or development (such as a neighborhood or subdivision in a city, or a rural settlement in unincorporated area); incorporated municipality or other general purpose local governmental unit; county or county-equivalent; or region within which the address is physically located; or a name recognized by the U.S. Postal Service for delivery of mail to the address.	2.2.6.1	Incorporated municipality or other general purpose local governmental unit OR the USPS Post Office name from which mail is delivered to the address
State Name	State Name	The names of the US states and state equivalents: the fifty US states, the District of Columbia, and all U.S. territories and outlying possessions. A state (or equivalent) is "a primary governmental division of the United States." The names may be spelled out in full or represented by their two-letter USPS or ANSI abbreviation.	2.2.6.3	Spelled out in full or represented by the two-letter USPS abbreviation
Tract/Block ⁴				2010 Census Tabulation Tract (6-digit) and Block (4-digit)

Census Address Element	FGDC Address Standard Element(s)	FGDC Address Element Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
Spatial Coordinates ⁵	Address Longitude	The longitude of the address location, in decimal degrees	2.3.2.3	(Latitude, Longitude) Coordinates representing the address location
	Address Latitude	The latitude of the address location, in decimal degrees.	2.3.2.4	
Building Name	Landmark Name	The name of a relatively permanent feature of the manmade landscape that has recognizable identity within a particular cultural context.	2.2.5.1	Name that has been assigned to a structure, i.e. "Homestead Highrise" or "Uptown Condominiums"
Building Identifier	Subaddress Type	The type of subaddress to which the associated Subaddress Identifier applies. (Building, Wing, Floor, etc.)	2.2.4.1	Identifier that has been assigned to a structure, i.e "Tower B" or "Building 1".
	Subaddress Identifier	The letters, numbers, words or combination thereof used to distinguish different subaddresses of the same type when several occur within the same feature.	2.2.4.2	
Complete Subaddress	Subaddress Element	A single combination of Subaddress Type and Subaddress Identifier (or, in some cases, a Subaddress Identifier alone), which, alone or in combination with other Subaddress Elements, distinguishes one subaddress within or between structures from another when several occur within the same feature.	2.2.4.3	The type of subaddress to which the associated Subaddress Identifier applies. (Building, Wing, Floor, etc.)
Mile Marker	Address Number Prefix	The portion of the Complete Address Number which precedes the Address Number itself.	2.2.1.1	Mile marker value if used in lieu of a house number, where no official house number exists
	Address Number	The numeric identifier for a land parcel, house, building, or other location along a thoroughfare or within a community.	2.2.1.2	
	Address Number Suffix	The portion of the Complete Address Number which follows the Address Number itself.	2.2.1.3	

Additional Data Elements (provided with either City Style or Non-City Style addresses)

Census Data Element	FGDC Address Standard Element(s)	FGDC Address Standard Element Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
Last Updated ⁹	Address Start Date	The earliest date on which the address is known to exist.	2.3.9.1	Indicate the most recent date on which the address data was updated.
Address Use ⁸	Mailable Address	Identifies wheter an address recieves USPS delivery (that is, the address is occupiable, and the USPS provides on-premisis USPS mail delivery to it)	2.3.7.9	Indicate if: 1) the address is used for mailing purposes or is known to be an address recognized by the United States Postal Service (USPS) for mailing purposes OR 2) the address is an E-911 address OR 3) both 1 and 2.
Address Type				Indicate if the address is a: 1) living quarter for a single family OR 2) group quarter OR 3) business OR 4) physical structure where people cannot live such as a fire hydrant, public building, etc.
*New Construction ⁸	Address Lifecycle Status	The lifecycle status of the address	2.3.7.3	Indicate if a permit has been issued but the physical structure does not yet exist
*New Construction Date				Date Building Permit was issued
*Anomolous Indicator				Indicate if the jurisdiction for which the respective address is located contains addressing conventions anomalous to the country as a whole
*Facility Name ⁶	Landmark Name	The name of a relatively permanent feature of the manmade landscape that has recognizable identity within a particular cultural context.	2.2.5.1	i.e. University of Maryland, Shady Acres Retirement Village, Pelican Bay State Prison
*Group Quarter Type ⁷				College Dormitory, Nursing Home, Prison, etc.
*Group Quarter Name				i.e. Reed Dormitory, Hospice Care Wing, Prison Block 18
*Group Quarter Contact Name				If available, this data will help census Group Quarters Enumerators schedule interview times
*Group Quarter Contact Title				i.e. Residential Advisor, Head Nurse, Warden
*Group Quarter Telephone Number				If available, this data will help census Group Quarters Enumerators schedule interview times
*Group Quarter Expected Population				i.e. the number of beds or rooms
*Multiunit				Indicate if the living quarter is part of a multi unit (for example, an apartment building) where each unit shares the same Basic Street Address (BSA) and is uniquely identified by building, floor, and/or unit information
*Multiunit Count				For multi units, if the exact ('real') unit identifiers are not known, do not create individual records for each unit. Instead, only a single record of the Basic Street Address should be provided and the MULTIUNIT COUNT element used to indicate the number of units.
Reference System	Address Xcoordinate	The X coordinate if the address location.	2.3.2.1	Coordinate Reference System, Datum, etc. used to define (X,Y) coordinates (file level)
	Address Ycoordinate	The Y coordinate of the address location.	2.3.2.2	

Census Data Element	FGDC Address Standard Element(s)	FGDC Address Standard Element Definition	FGDC Address Standard Reference ³	Census DESCRIPTION
Parcel Identifier	Address Parcel Identifier Source	The permanent identifier for the agency, organization, or jurisdiction that assigns and maintains the Address Parcel Identifier.	2.3.3.1	Parcel Identifier, Assessor's Parcel Number
	Adress Parcel Identifier	The primary permanent identifier, as defined by the Address Parcel Identifier Source, for a parcel that includes the land or feature identified by an address. A parcel is "a single cadastral unit, which is the spatial extent of the past, present, and future rights and interests in real property."	2.2.3.2	

* Where Applicable

Notes and Definitions

- 1) The Census Bureau classifies housing unit and group quarters addresses that have a house number and street name address, for example, 212 Elm Street or 137 Clark Ct., Apt. 316, as **city-style addresses**. These addresses are used for mailing or to provide location for emergency services, such as police, fire, and rescue (E-911 addresses).
- 2) The Census Bureau classifies addresses that do not include a house number and/or a street name as **noncity-style addresses**. Noncity-style addresses also may not include a complete house number and street name address. Frequently used noncity-style mailing addresses include General Delivery, Rural Route and Box Number, Highway contract route and box number, and Post Office Box addresses.
- 3) This column refers to the applicable section of the Federal Geographic Data Committee's "United States Thoroughfare, Landmark, and Postal Address Standard."
- 4) **TRACT/BLOCK:** A Tract Number must contain six digits even if there are zeros in front or behind a number (Examples: 0832.01 or 0092.00). **BLOCK** Must be a four digit Block number (Example: 1001). Note that if the dataset covers addresses in more than one county, then STATE and COUNTY codes must accompany the TRACT/BLOCK number.
- 5) **SPATIAL COORDINATES:** The Census Bureau prefers that the coordinates represent the structure associated with the address. If the coordinates are derived using a variety of methods (i.e. building footprints, GPS collection at front door, parcel centroid, etc.) additional data should be included specifying the means of derivation. Otherwise, if all coordinate pairs are derived in the same way, metadata at the file level will suffice.
- 6) **FACILITY NAME:** Facility name is the broader name for entities such as a University of Maryland or Extended Care Hospital that has multiple residential buildings.
- 7) The Census Bureau defines **GROUP QUARTERS** as a place where people live or stay, in a group living arrangement, that is owned or managed by an entity or organization providing housing and/or services for the residents. This is not a typical household-type living arrangement. These services may include custodial or medical care as well as other types of assistance, and residency is commonly restricted to those receiving these services. People living in group quarters are usually not related to each other. Group Quarters are the individual buildings located within a Facility. Example: "Reed Dormitory" would be a GQ name. There are instances where the GQ Name and Facility Name are potentially the same. Example: Shady Acres (Facility Name) may have only one housing building (GQ), which would make the Facility name and GQ names the same.
- 8) The numbers do not align between the 2011 version of the standard and the November 2010 version of the standard. Section 2.6 is not in the standard. The 2011 version goes from 2.3.5.5 to 2.3.7 on pages 152-153. The standard number listed here is for the 2010 version of the standard.
- 9) This number is 2.3.8.2 in the old 2010 version of the standard

General Notes

Please note that this document is not intended to serve as a template or file layout for submitting address data to the Census Bureau, rather it is a general guide to the nature of the address data the Census Bureau would prefer to receive.

For an electronic version of this document, as well as more detailed information, please visit the GSS-Initiative Web Page using the following URL: <http://www.census.gov/geo/www/gss/index.html>