	x2 | y2 x3 | y3 .... | ....
Pseudocode Example: Testing the Conformance of a Data Set	**Function** See Perc Conforming for the query example. **Function Parameters** count_of_nonconforming_records *SELECT COUNT(*)* *FROM Address Collection* *WHERE NOT(EQUALS(Addressed Object.Geometry, Point(Address X Coordinate, Address Y Coordinate)))* count_of_total_records *SELECT COUNT(*)* *FROM Address Collection*
Result Report Example	Tested XY Coordinate Spatial Measure at 90% conformance.

5 Address Data Exchange

5.1 Introduction

The purpose of this section is three-fold: to provide a template for the XML documents and metadata that will move addresses from place to place, to provide information on preparing address data to be packaged, and to provide information on unpackaging address data that has been received.

Historically, the data format aspect of data exchange has impeded the flow of information. By providing a single and flexible data structure for exchanging street address data, the Address Standard will simplify the implementation of data exchanges, making them more reliable and less likely to need small changes, especially over time. Local data processing systems and applications change over time and frequently data exchange programs and reports must be

rewritten along with those changes. Such changes may be as seemingly minor as the renaming of a data element, shortening or extending the length of a field, or the addition or subtraction of a field. When new data sharing partners are identified, a data format for sharing data with that partner must be constructed and implemented by each party. The Address Standard aims to minimize local changes necessary when upgrading computer systems and to provide a structure that can be reused by all data sharing parties without their having to implement something new.

The data sharing benefits of the Address Standard will only be realized when local agencies have implemented both export and import engines to process exchanged street addresses. The initial implementation of these data engines or programs will provide a lasting benefit to implementers in that once created, the agency will never again need to be concerned with creating programs or engines to share data with any new data sharing partners that they identify in the future.

The Address Standard is designed to be flexible enough to fit within current data sharing methods. There are two basic forms of sharing data between parties:

- Monolithic, in which all records are in the exchange package.
- Transactional, in which the exchange package records include commands to add or remove a record from the local copy of all records.

The Standard supports both of these forms, using a slightly modified structure to enable transactional exchanges.

5.2 Structure of a Transfer Package

All packages of address data to be exchanged must include:

- FGDC Metadata, conforming to the FGDC-STD-001-1998 *Content Standard for Digital Geospatial Metadata*, Version 2.0 (see Part 6: References for a complete citation).
- Address data, expressed as an XML document conforming to the AddrStd XML Schema.

5.2.1 FGDC Metadata

Metadata provides a common set of terminology and definitions for the documentation of digital geospatial data (CSDGM, Introduction). It is a required part of all Federal standards, and is required of all federally generated geospatial data per Executive Order 12906. The transfer of data always needs to be accompanied by copyright information, use restrictions, contact information, data lineage information, known data defects and a description of the geographic area that the data represents. The *Content Standard for Digital Geospatial Metadata* provides a uniform, consistent and well known way to express those things amongst others.

5.2.2 Address Data

The Address Standard XML schema is a way of packaging address data such that only fields meaningful to the particular data transfer package need to be included. The nature of XML is that only meaningful data is included but the meaning of everything that could be included is

documented. In addition, XML data transfer implementations can be extended without breaking existing implementations. Existing implementations will not understand the extensions but by definition will ignore them.

Data is produced by agencies possessing address information and consumed by those receiving the address data. Many agencies will be both producers and consumers at different times. The roles of producer and consumer describe, respectively, the activity at hand when exporting or importing address data.

5.2.2.1 Exporting Data

A data producer will follow these basic steps while implementing an export engine:

- Construct a logical map of local data fields into the equivalent Address Standard Content and Classification elements.
- Write programs or subroutines to split local fields into the Address Standard elements if necessary.
- Collect support information required by the CSDGM metadata into a accessible place.
- Optionally, write programs or subroutines to automate the CSDGM "Data Quality" tests documented in the Data Quality section of this standard.
- Write programs or subroutines to include the CSDGM support data into a complete and valid CSDGM document.

A data producer will follow these basic steps while creating a package of address data:

- Run the Data Quality tests and collect the reports into the CSDGM metadata.
- Set the "Publication Date" element of the CSDGM metadata to be the time the package was created.
- Run the data remapping and splitting programs.
- Set the "DirectSource" element of the Address Standard to be the producer's ID.
- Set the "AddressID" and "AuthorityID" elements of the Address Standard for any addresses created by the producer.
- Export the data into the Address Standard XML format.
- Transfer both the Address Standard XML document and the CSDGM document to another party.

5.2.2.2 Importing data

A data consumer will follow these basic steps while implementing an export engine:

- Construct a logical map of local data fields into the equivalent Address Standard Content and Classification elements.
- Write programs or subroutines to combine Address Standard elements into local data fields, if necessary.
- Create a place to store the CSDGM data from received packages.
- Optionally write programs or subroutines to automate the CSDGM "Data Quality" tests documented in the Data Quality section of this standard on the received data.

A data consumer will follow these basic steps while importing a package of address data:

- Receive both the Address Standard XML document and the CSDGM document from another party.
- Parse the Address Standard XML document into a working area.
- Parse the CSDGM XML document into a working area.
- Run the Data Quality tests and compare to the report in the CSDGM metadata received.
- Run the data remapping and combining programs.
- Import from the working area to the local production database.

When mapping local data fields into the equivalent Address Standard Content and Classification elements, or the reverse, it is important to understand that the Address Standard is set up to allow address producers to directly and unequivocally express the taxonomy of their own addresses. The Content and Classification sections provide a taxonomy to help parse addresses into descriptive elements.

For example, given an address such as **225 North Avenue Northwest Atlanta GA 30318**, the Address Standard allows the address producer to state that the word **North** is not a Street Name Pre Directional but is actually a Street Name. When stated by the actual addressing authority, it should be taken as factual and not converted.

Within other agencies, database design requirements might cause the address to be stored differently, but they should record the **official** form somewhere within their databases.

It is important, if distributing data received from other address authorities, that their taxonomy or parsing of addresses into elements be maintained and be reproducible.

5.3 The Address Standard XSD Data Model (see Part 7.1: Appendix A for the complete XSD document)

5.3.1 General Notes on the XML schema

Content and Classification use the word **element** in a way that differs slightly from its use in designing XML document schemes.

- Content and Classification use **element** to describe a taxonomy facet for parsing an address.
- XML Scheme Document (XSD) uses **element** to describe an XML tag.

Some Content and Classification **elements** become XSD elements and others become XSD attributes of other XSD elements.

The Address Standard XSD has been designed by creating a simple type for almost every thing in Content and Classification. The simple data type is a place to describe the form of data that populates the simple type. Many times no attempt to provide an automatable test for correctness of form is given in the XSD. Local implementers may attempt such tests outside the scope of the Address standard.

From the simple types simple elements are created. Simple elements and some simple types cluster into complex elements. Finally, elements are gathered into the **global** elements that comprise the top level XML data types.

5.3.2 Relation of the Address Standard XSD data model to the Content and Classification parts.

A crosswalk chart relating the Content and Classification elements into XSD classes, types, elements and attributes.

Classes	XSD Type Name	Simple or Complex (in XSD terms)	Element or Attribute Name	XSD	Parent XSD class
Numbered Thoroughfare Address	NumberedThoroughfareAddress_type	Complex	NumberedThoroughfareAddress	Global Element	Global, AddressCollection
Intersection Address	IntersectionAddress_type	Complex	IntersectionAddress	Global Element	Global, AddressCollection
Two Number Address Range	TwoNumberAddressRange_type	Complex	TwoNumberAddressRange	Global Element	Global, AddressCollection
Four Number Address Range	FourNumberAddressRange_type	Complex	FourNumberAddressRange	Global Element	Global, AddressCollection
Unnumbered Thoroughfare Address	UnnumberedThoroughfareAddress_type	Complex	UnnumberedThoroughfareAddress	Global Element	Global, AddressCollection
Landmark Address	LandmarkAddress_type	Complex	LandmarkAddress	Global Element	Global, AddressCollection
Community (Urbanization) Address	CommunityAddress_type	Complex	CommunityAddress	Global Element	Global, AddressCollection

USPS Postal Delivery Box	USPSPostalDeliveryBox_type	Complex	USPSPostalDeliveryBox	Global Element	Global, AddressCollection
USPS Postal Delivery Route	USPSPostalDeliveryRoute_type	Complex	USPSPostalDeliveryRoute	Global Element	Global, AddressCollection
USPS General Delivery Address	USPSGeneralDeliveryAddress_type	Complex	USPSGeneralDeliveryAddress	Global Element	Global, AddressCollection
General Address	GeneralAddressClass_type	Complex	GeneralAddressClass	Global Element	Global, AddressCollection
Address Reference System	AddressReferenceSystem_type	Complex	AddressReferenceSystem	Global Element	Global, AddressCollection
	AddressCollection_type	Complex	AddressCollection	Global Element	
Complete Address Number	CompleteAddressNumber_type	Complex	CompleteAddressNumber	Element	Various, AddressNumberRange
Address Number Prefix	AddressNumberPrefix_type	Simple	Prefix	Element	CompleteAddressNumber, AddressNumberRange
Address Number	AddressNumber_type	Simple	Number	Element	CompleteAddressNumber, AddressNumberRange
Address Number Suffix	AddressNumberSuffix_type	Simple	Suffix	Element	CompleteAddressNumber, AddressNumberRange
SeparatorElement	SeparatorElement_type	Simple	SeparatorElement	Attribute	CompleteAddressNumber, AddressNumberRange

CompleteStreetName	CompleteStreetName_type	Complex	CompleteStreetName	Element	Global objects
Street Name Pre-modifier	StreetNameModifier_type	Simple	PreModifier	Element	CompleteStreetName
Street Name Pre-directional	StreetNameDirectional_type	Simple	PreDirectional	Element	CompleteStreetName
Street Pre-type	StreetNameType_type	Simple	PreType	Element	CompleteStreetName
Street Name	StreetName_type	Simple	StreetName	Element	CompleteStreetName
Street Post-type	StreetNameType_type	Simple	PostType	Element	CompleteStreetName
Street Post-directional	StreetNameDirectional_type	Simple	PostDirectional	Element	CompleteStreetName
Street Name Post-modifier	StreetNameModifier_type	Simple	PostModifier	Element	CompleteStreetName
CompleteSubaddress	CompleteSubaddress_type	Complex	CompleteSubaddress	Element	Global objects
Subaddress Type	SubaddressType_type	Simple	SubaddressType	Element	Building
Subaddress Identifier	SubaddressIdentifier_type	Simple	SubaddressIdentifier	Element	Building
CompleteLandmarkName	Set the "AddressID" and "AuthorityID" elements of the Address Standard for any addresses created by the producer.CompleteLandmarkName_type	Simple	CompleteLandmarkName	Element	Global objects
Landmark Name	LandmarkName_type	Complex	LandmarkName	Element	LandmarkAddress
Community (Urbanization) Place Name	CommunityPlaceName_type	Simple	CommunityPlaceName	Element	PlaceName, LandmarkSiteAddress, Community Address

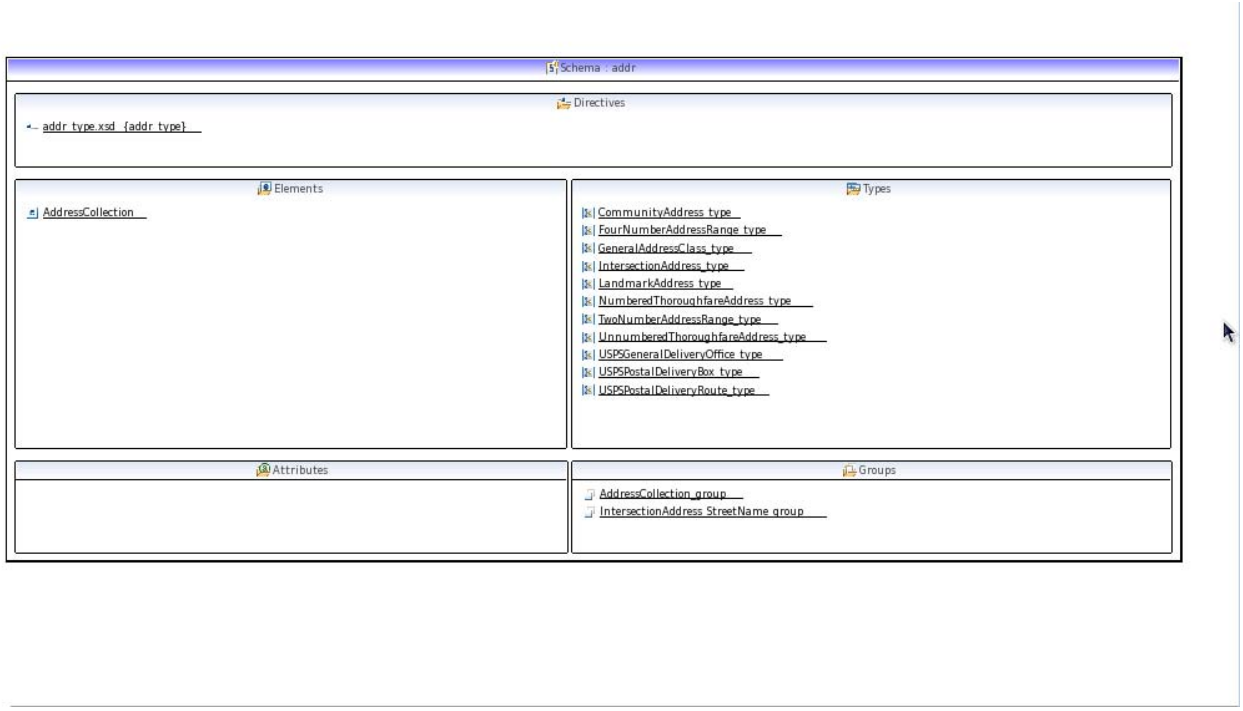
CompletePlaceName	completePlaceName_type	Complex	CompletePlaceName	Element	Global objects
PlaceName	PlaceName_type	Simple	PlaceName	Element	CompletePlaceName
PlaceNameType	PlaceNameType_type	Simple	PlaceNameType	Attribute	PlaceName
County Name	CountyName_type	Simple	CountyName_type	Element	PlaceName
State	StateName_type	Simple	StateName	Element	Global objects
ZIP Code	ZIPCode_type	Simple	ZIPCode	Element	Global objects
ZIP+4 Code	ZIPPlus4_type	Simple	ZIPPlus4	Element	Global objects
CountryName	CountryName_type	Simple	CountryName	Element	Global objects
USPS Box Type	USPSBoxType_type	Simple	USPSBoxType	Attribute	USPSBox
USPS Box ID	USPSBoxId_type	Simple	USPSBoxId		USPSBox
	USPSBox_type	Complex	USPSBox	Element	USPSPostal Delivery Classes
USPS Box Group Type	USPSBoxGroupType_type	Simple	USPSBoxGroupType	Attribute	USPSBoxGroup
USPS Box Group ID	USPSBoxGroupId_type	Simple	USPSBoxGroupId		USPSBoxGroup
	USPSBoxGroup_type	Complex	USPSBoxGroup	Element	USPSPostal Delivery Classes
USPS General Delivery Point	USPSGeneralDeliveryPoint_type	Simple	USPSGeneralDeliveryPoint	Element	USPSPostal Delivery Classes
DeliveryAddress	CompleteFeatureAddress_type	Simple	DeliveryAddress	Element	GeneralAddress
Place State ZIP	PlaceStateZip_type	Simple	PlaceStateZip	Element	GeneralAddress
Address ID	AddressId_type	Simple	AddressId	Element	Global

					objects
Address X Coordinate	AddressXCoordinate_type	Simple	X	Element	XYCoordinate
Address Y Coordinate	AddressXCoordinate_type	Simple	Y	Element	XYCoordinate
Address Longitude	AddressLongitude_type	Simple	Longitude	Element	LongLat
Address Latitude	AddressLatitude_type	Simple	Latitude	Element	LongLat
US National Grid Coordinate	LocationUSNG_type	Simple	USNGCoordinate	Element	Global objects
Address Z Value	AddressZValue_type	Simple	Zvalue	Element	Global objects
Address Classification		Internal		Internal to model	The XSD element name stores this information
Feature Type	FeatureType_type	Simple	AddressFeatureType	Element	Global objects
Address Lifecycle Status	AddressLifecycleStatus_type	Simple	AddressLifecycleStatus	Element	Global objects
Address Official Status	AddressOfficialStatus_type	Simple	OfficialStatus	Element	Global objects
Address Anomaly Status	AddressAnomalyStatus_type	Simple	AddressAnomalyStatus	Element	Global objects
Address Range Type	AddressRangeType_type	Simple	AddressRangeType	Element	Global objects
Location Description	LocationDescription_type	Simple	LocationDescription	Element	Global objects
Address Number Parity	AddressNumberParity_type	Simple	Parity	Attribute	TwoNumberAddressRange
Address Reference System Name	AddressReferenceSystemName_type	Simple	AddressReferenceSystemName_type	Element	Global objects
Address Reference	AddressReferenceS	Simple	AddressRefere	Element	AddressRefe

System Axis	ystemeAxes_type		nceSystemAxis_type		renceSystem
Address Reference System Document Citation	AddressReferenceSystemDocumentCitation_type	Simple	AddressDocumentCitation_type	Element	AddressReferenceSystem
Address Reference System Origin	AddressReferenceSystemOrigin_type	Simple	AddressReferenceSystemOrigin_type	Element	AddressReferenceSystem
Address ReferenceSystem Extent	AddressReferenceSystemExtent_type	Simple	AddressReferenceSystemExtent_type	Element	AddressReferenceSystem
Address ReferenceSystem	AddressReferenceSystem_type	Complex	AddressReferenceSystem	Global Element	Global
Address Start Date	AddressStartDate_type	Simple	AddressStartDate	Element	Global objects
Address End Date	AddressEndDate_type	Simple	AddressEndDate	Element	Global objects
Address Direct Source	AddressDirectSource_type	Simple	AddressDirectSource	Element	Global objects
Address Authority	AddressAuthority_type	Simple	AddressAuthority	Element	Global objects
Address Authority Identifier	AddressAuthorityIdentifier_type	Simple	AddressAuthorityIdentifier	Element	Global objects

5.3.3 Diagrams of Elements of the XSD datamodel

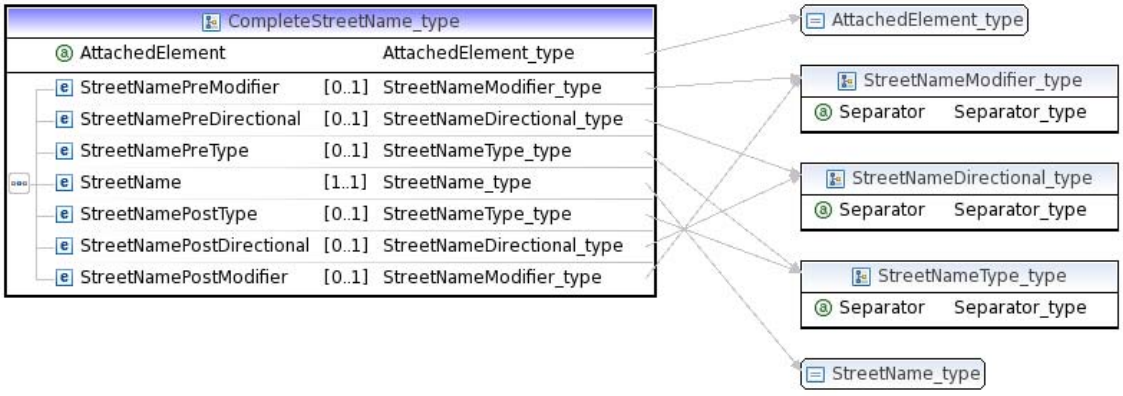
5.3.3.1 Data Model



3175

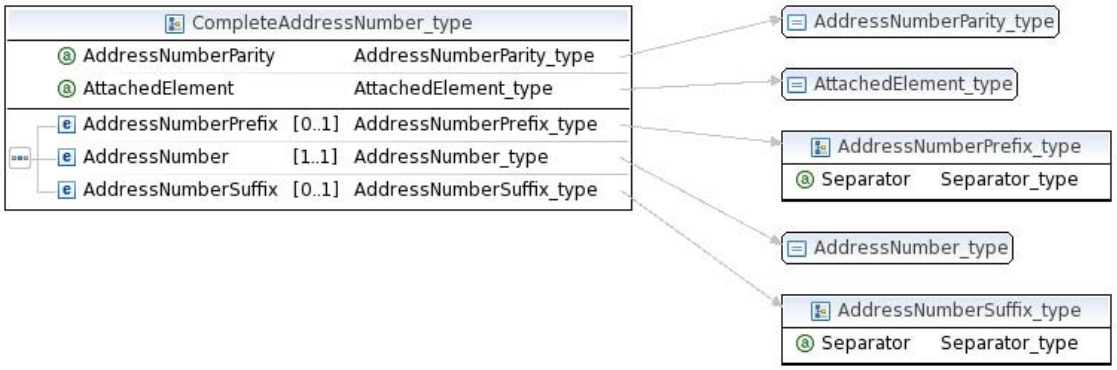
3176 **5.3.3.2 Complex Types**

3177 **5.3.3.2.1 Complete Street Name**



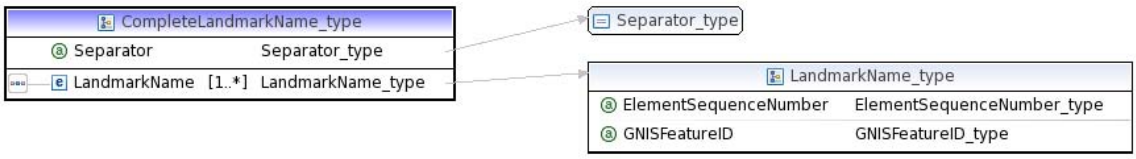
3178

3179 **5.3.3.2.2 Complete Address Number**



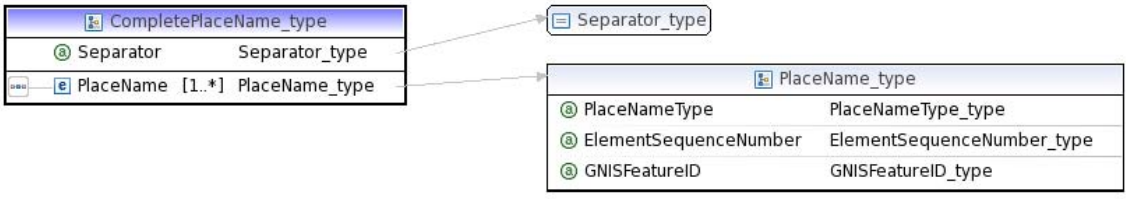
3180

3181 **5.3.3.2.3 Complete Landmark Name**



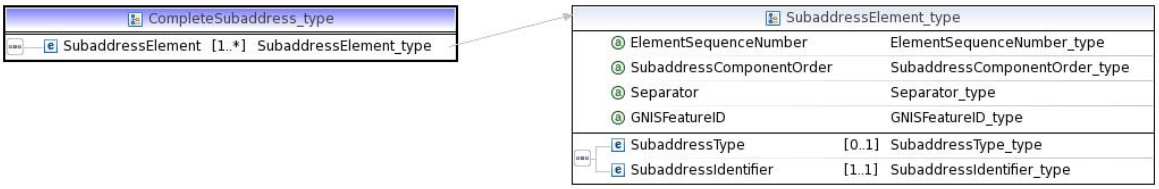
3182

3183 **5.3.3.2.4 Complete Place Name**



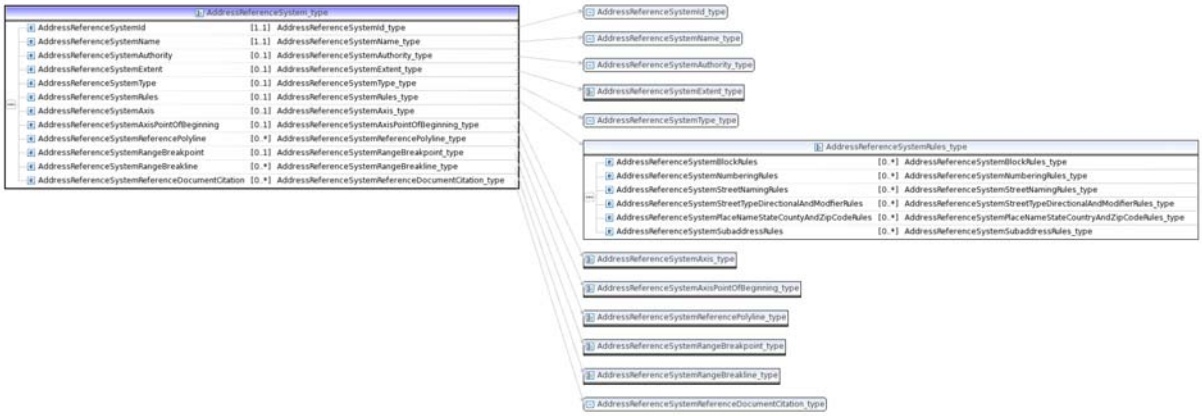
3184

3185 **5.3.3.2.5 Complete Subaddress**



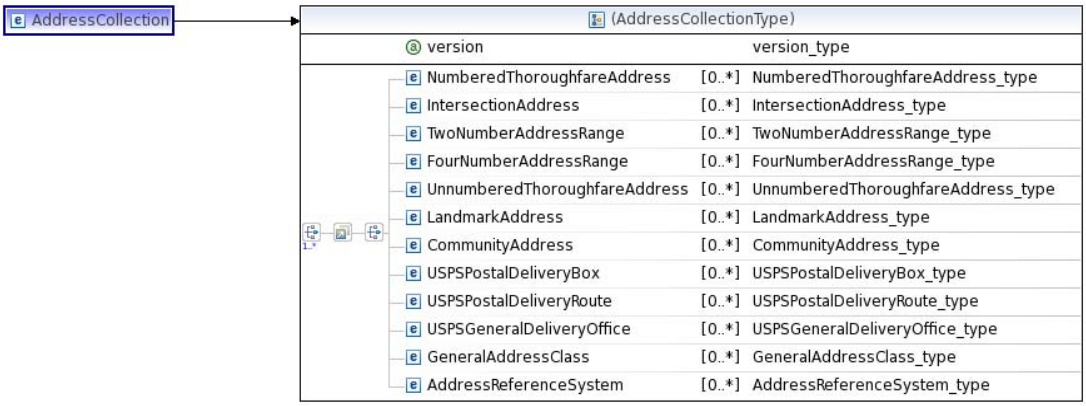
3186

3187 **5.3.3.2.6 Address ReferenceSystem**



3188

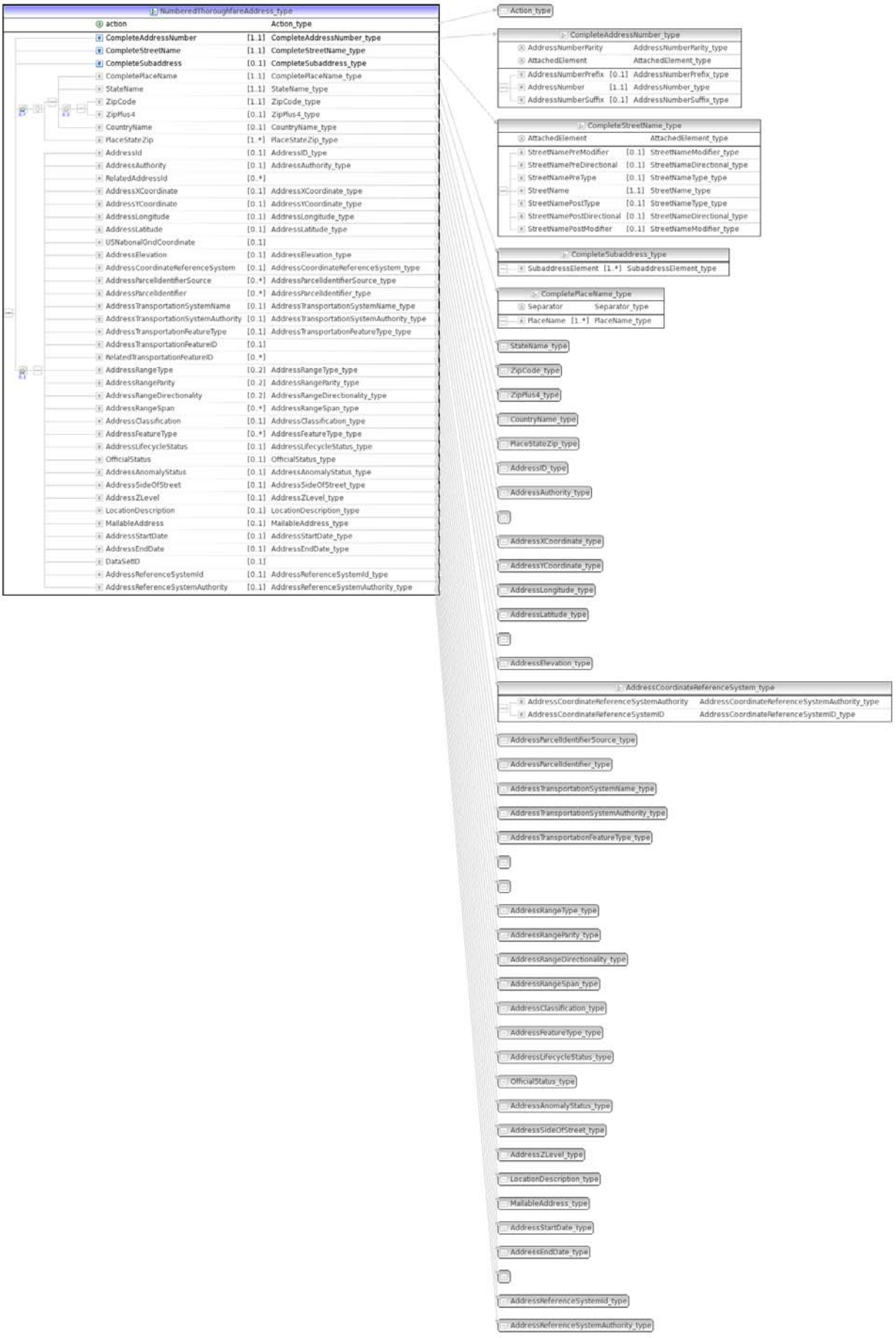
3189 **5.3.3.2.7 Address Collection**



3190

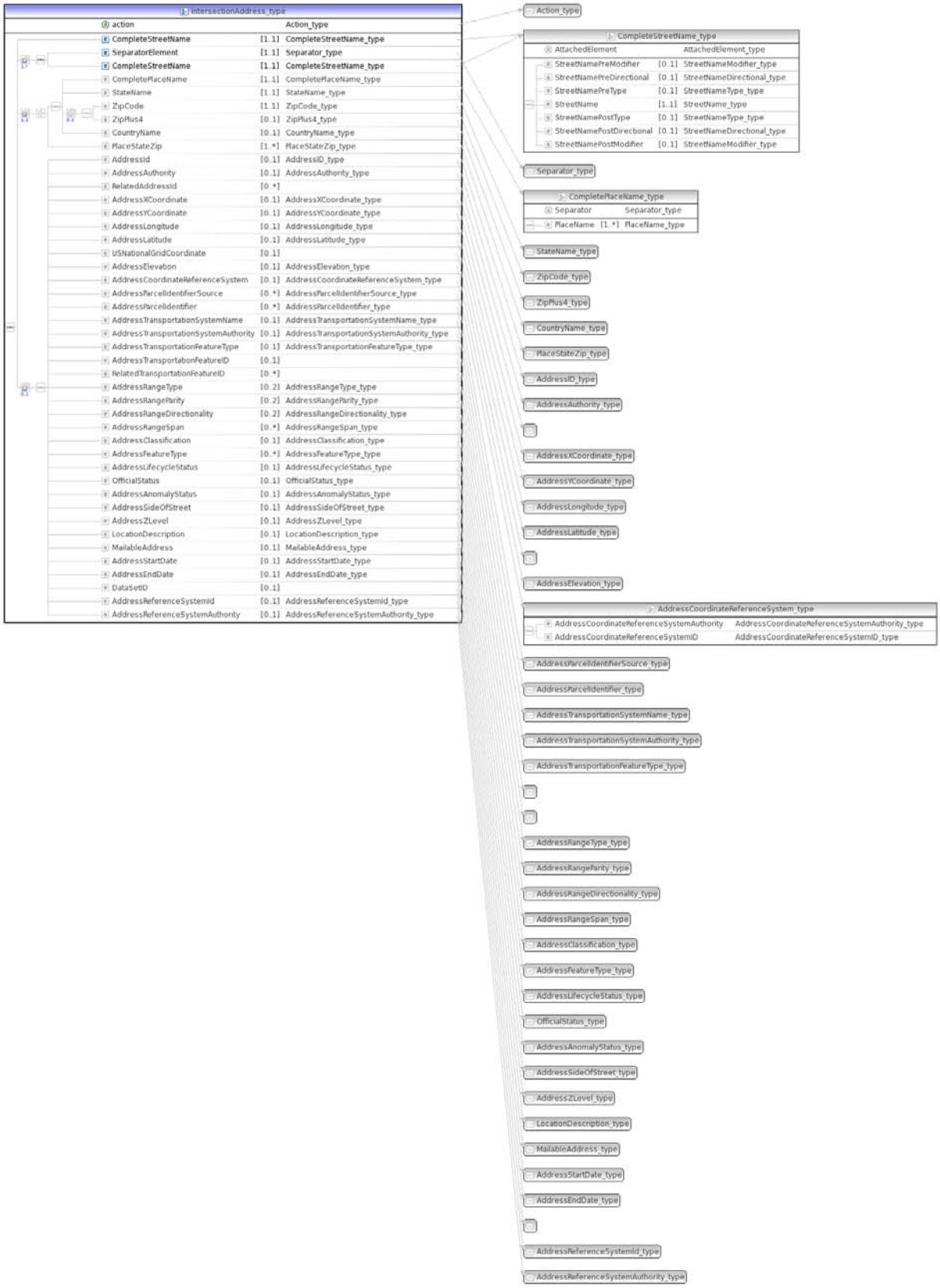
5.3.3.3 Thoroughfare Address Classes

5.3.3.3.1 Numbered Thoroughfare Address v0.4:


NumberedThoroughfareAddress_type
action Action_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
CompleteStreetName [1..1] CompleteStreetName_type
CompleteSubaddress [0..1] CompleteSubaddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteAddressNumber_type
AddressNumberParity AddressNumberParity_type
AttachedElement AttachedElement_type
AddressNumberPrefix [0..1] AddressNumberPrefix_type
AddressNumber [1..1] AddressNumber_type
AddressNumberSuffix [0..1] AddressNumberSuffix_type
CompleteStreetName_type
AttachedElement AttachedElement_type
StreetNamePreModifier [0..1] StreetNameModifier_type
StreetNamePreDirectional [0..1] StreetNameDirectional_type
StreetNamePreType [0..1] StreetNameType_type
StreetName [1..1] StreetName_type
StreetNamePostType [0..1] StreetNameType_type
StreetNamePostDirectional [0..1] StreetNameDirectional_type
StreetNamePostModifier [0..1] StreetNameModifier_type
CompleteSubaddress_type
SubaddressElement [1..*] SubaddressElement_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3195 **5.3.3.3.2 Intersection Address**

3196

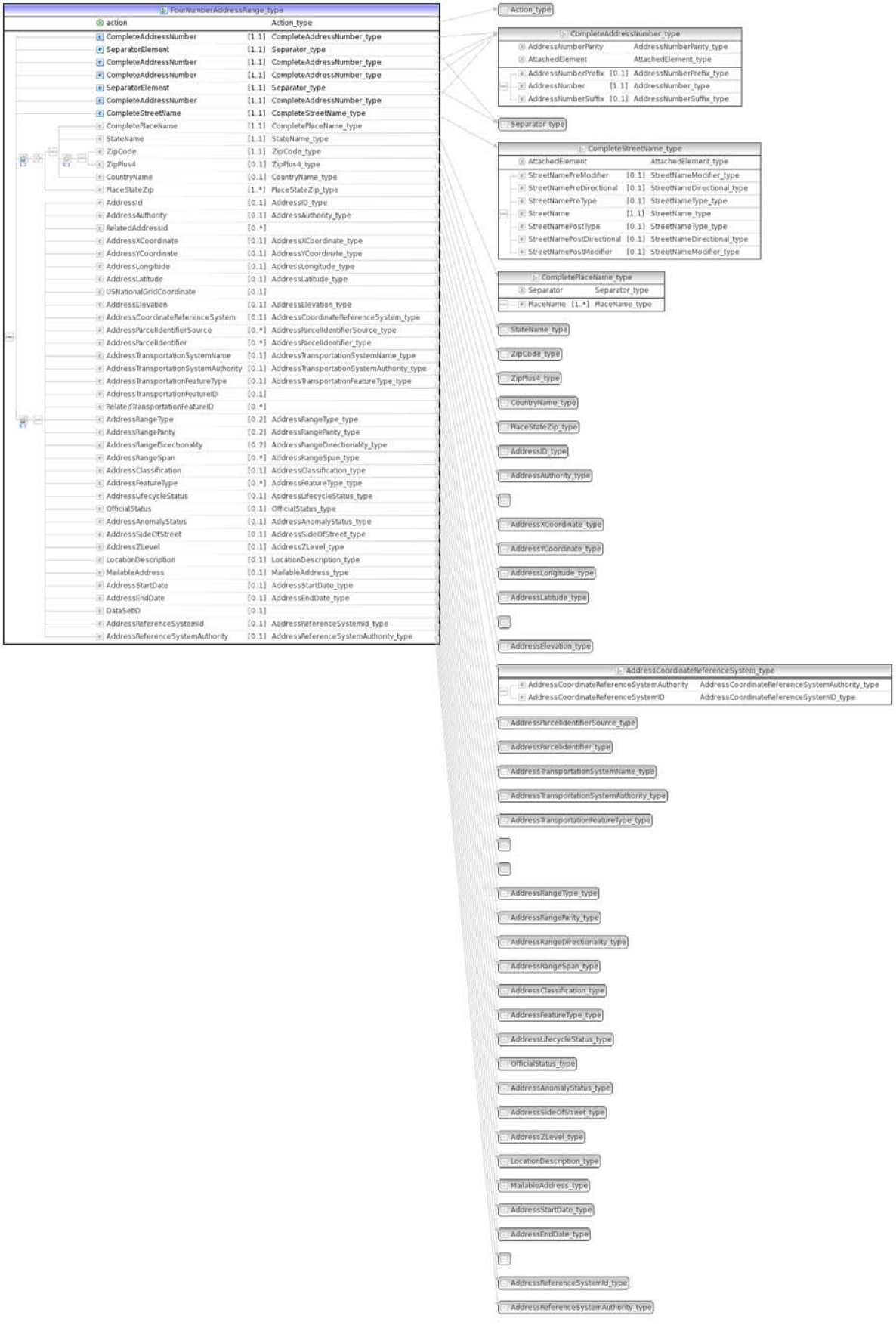

IntersectionAddress_type
action Action_type
CompleteStreetName [1..1] CompleteStreetName_type
SeparatorElement [1..1] Separator_type
CompleteStreetName [1..1] CompleteStreetName_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteStreetName_type
AttachedElement AttachedElement_type
StreetNamePreModifier [0..1] StreetNameModifier_type
StreetNamePreDirectional [0..1] StreetNameDirectional_type
StreetNamePreType [0..1] StreetNameType_type
StreetName [1..1] StreetName_type
StreetNamePostType [0..1] StreetNameType_type
StreetNamePostDirecbonal [0..1] StreetNameDirectbonal_type
StreetNamePostModifier [0..1] StreetNameModifier_type
Separator_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3198 **5.3.3.3.3 Two Number Address Range:**

3199


TwoNumberAddressRange_type
action Action_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
SeparatorElement [1..1] Separator_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
CompleteStreetName [1..1] CompleteStreetName_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteAddressNumber_type
AddressNumberParity AddressNumberParity_type
AttachedElement AttachedElement_type
AddressNumberPrefix [0..1] AddressNumberPrefix_type
AddressNumber [1..1] AddressNumber_type
AddressNumberSuffix [0..1] AddressNumberSuffix_type
Separator_type
CompleteStreetName_type
AttachedElement AttachedElement_type
StreetNamePreModifier [0..1] StreetNameModifier_type
StreetNamePreDirectional [0..1] StreetNameDirectional_type
StreetNamePreType [0..1] StreetNameType_type
StreetName [1..1] StreetName_type
StreetNamePostType [0..1] StreetNameType_type
StreetNamePostDirectional [0..1] StreetNameDirectional_type
StreetNamePostModifier [0..1] StreetNameModifier_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3201 **5.3.3.3.4 Four Number Address Range**
3202


FourNumberAddressRange_type
action Action_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
SeparatorElement [1..1] Separator_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
SeparatorElement [1..1] Separator_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
CompleteStreetName [1..1] CompleteStreetName_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteAddressNumber_type
AddressNumberParity AddressNumberParity_type
AttachedElement AttachedElement_type
AddressNumberPrefix [0..1] AddressNumberPrefix_type
AddressNumber [1..1] AddressNumber_type
AddressNumberSuffix [0..1] AddressNumberSuffix_type
Separator_type
CompleteStreetName_type
AttachedElement AttachedElement_type
StreetNamePreModifier [0..1] StreetNameModifier_type
StreetNamePreDirectional [0..1] StreetNameDirectional_type
StreetNamePreType [0..1] StreetNameType_type
StreetName [1..1] StreetName_type
StreetNamePostType [0..1] StreetNameType_type
StreetNamePostDirectional [0..1] StreetNameDirectional_type
StreetNamePostModifier [0..1] StreetNameModifier_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3204 **5.3.3.3.5 Unnumbered Thoroughfare Address:**

3205


UnnumberedThoroughfareAddress_type
action Action_type
CompleteStreetName [1..1] CompleteStreetName_type
CompleteSubaddress [0..1] CompleteSubaddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteStreetName_type
AttachedElement AttachedElement_type
StreetNamePreModifier [0..1] StreetNameModifier_type
StreetNamePreDirectional [0..1] StreetNameDirectional_type
StreetNamePreType [0..1] StreetNameType_type
StreetName [1..1] StreetName_type
StreetNamePostType [0..1] StreetNameType_type
StreetNamePostDirectional [0..1] StreetNameDirectional_type
StreetNamePostModifier [0..1] StreetNameModifier_type
CompleteSubaddress_type
SubaddressElement [1..*] SubaddressElement_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

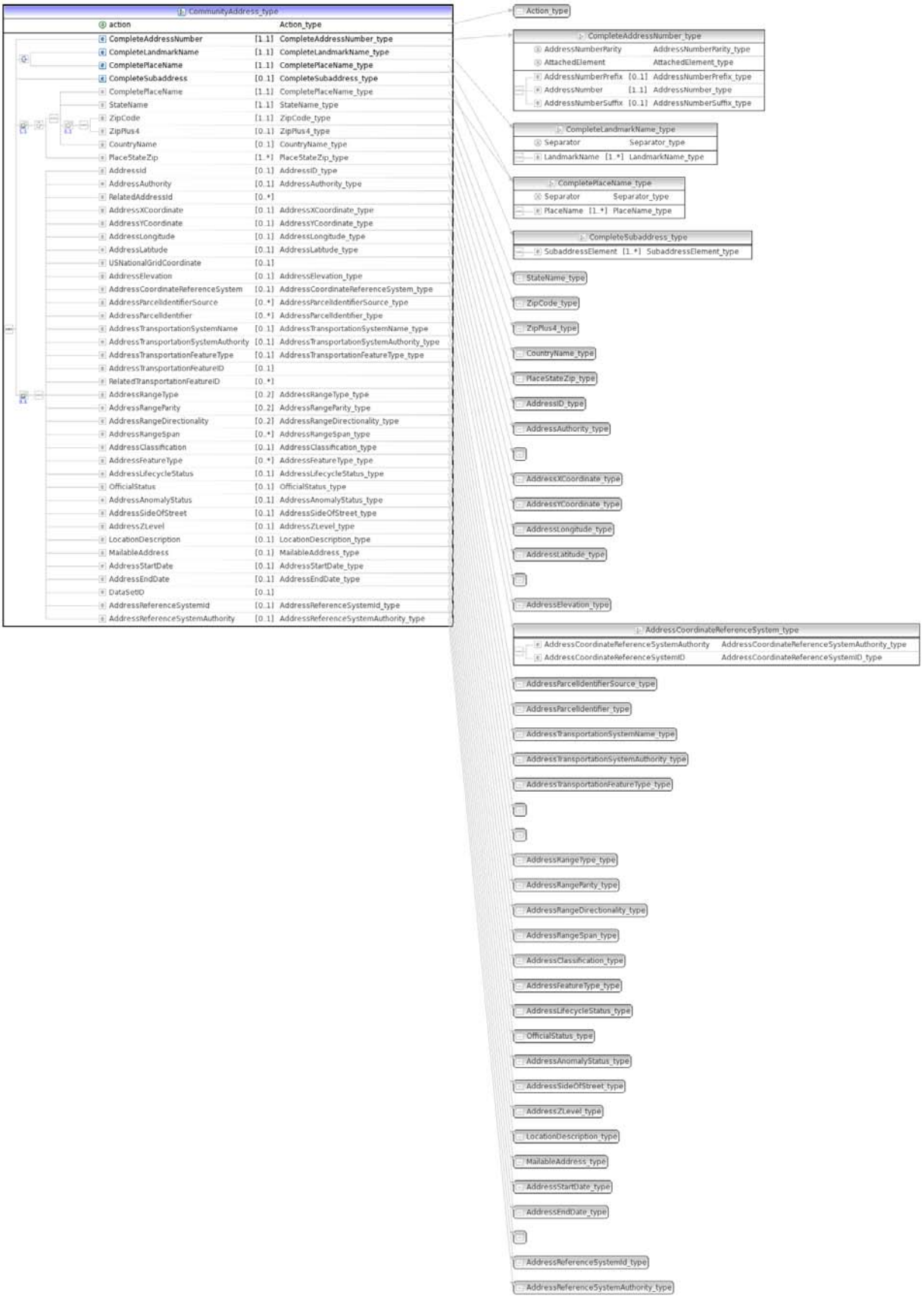
5.3.3.4 Landmark Address Classes

5.3.3.4.1 Landmark Address


LandmarkAddress_type
action Action_type
CompleteLandmarkName [1..1] CompleteLandmarkName_type
CompleteSubaddress [0..1] CompleteSubaddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteLandmarkName_type
Separator Separator_type
LandmarkName [1..*] LandmarkName_type
CompleteSubaddress_type
SubaddressElement [1..*] SubaddressElement_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3209

3210 **5.3.3.4.2 Community Address**


CommunityAddress_type
action Action_type
CompleteAddressNumber [1..1] CompleteAddressNumber_type
CompleteLandmarkName [1..1] CompleteLandmarkName_type
CompletePlaceName [1..1] CompletePlaceName_type
CompleteSubaddress [0..1] CompleteSubaddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
CompleteAddressNumber_type
AddressNumberParity AddressNumberParity_type
AttachedElement AttachedElement_type
AddressNumberPrefix [0..1] AddressNumberPrefix_type
AddressNumber [1..1] AddressNumber_type
AddressNumberSuffix [0..1] AddressNumberSuffix_type
CompleteLandmarkName_type
Separator Separator_type
LandmarkName [1..*] LandmarkName_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
CompleteSubaddress_type
SubaddressElement [1..*] SubaddressElement_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

5.3.3.5 Postal Delivery Address Classes

5.3.3.5.1 USPS Postal Delivery Route


USPSPostalDeliveryRoute_type
action Action_type
USPSAddress [1..1] USPSAddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
USPSAddress_type
USPSRoute [1..1] USPSRoute_type
USPSBox [1..1] USPSBox_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

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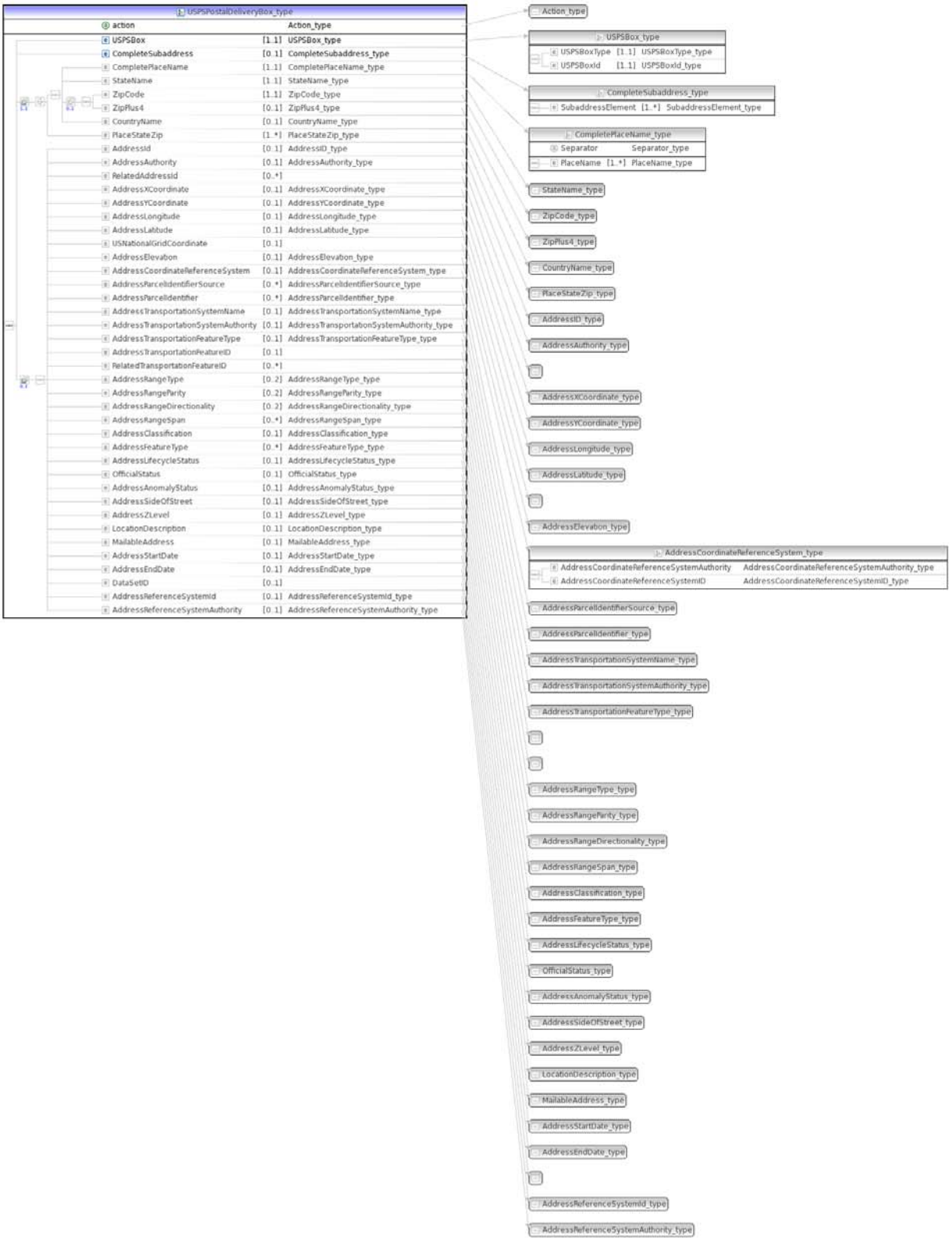
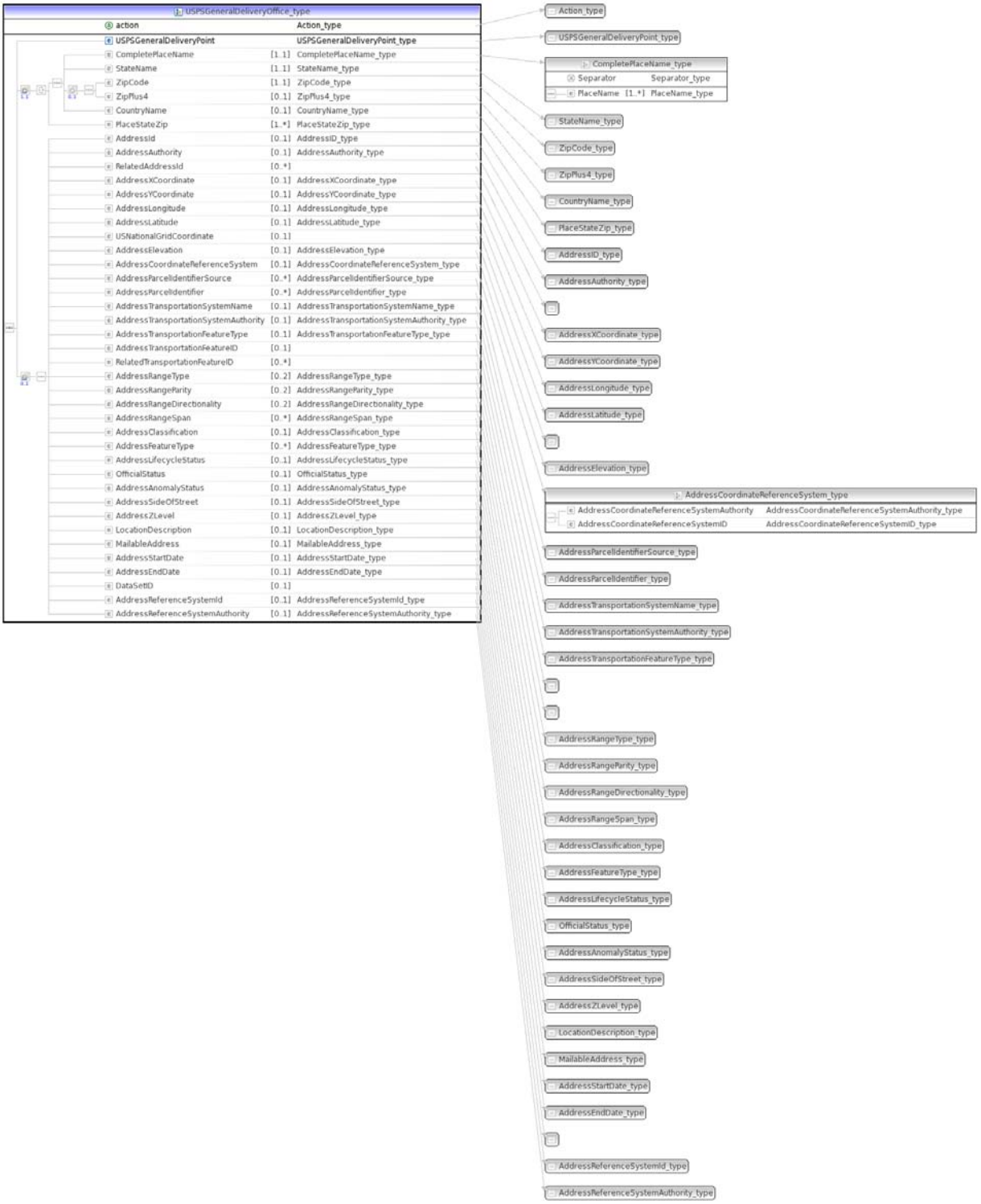
5.3.3.5.2 USPS Postal Delivery Box


USPSPostalDeliveryBox_type
action Action_type
USPSBox [1..1] USPSBox_type
CompleteSubaddress [0..1] CompleteSubaddress_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
USPSBox_type
USPSBoxType [1..1] USPSBoxType_type
USPSBoxId [1..1] USPSBoxId_type
CompleteSubaddress_type
SubaddressElement [1..*] SubaddressElement_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3216

3217 **5.3.3.5.3 USPS General Delivery Office**



3218

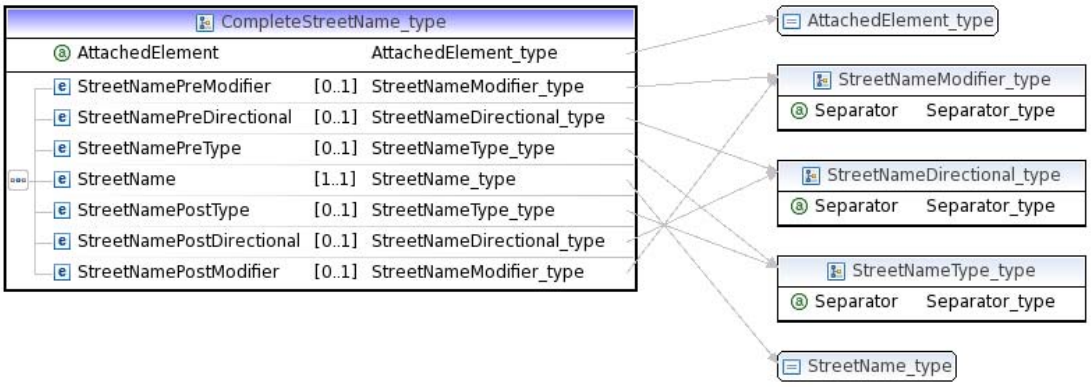
5.3.3.6 General Address Class

5.3.3.6.1 General Address Class


GeneralAddressClass_type
action Action_type
GeneralAddress GeneralAddress_type
USPSGeneralDeliveryPoint USPSGeneralDeliveryPoint_type
CompletePlaceName [1..1] CompletePlaceName_type
StateName [1..1] StateName_type
ZipCode [1..1] ZipCode_type
ZipPlus4 [0..1] ZipPlus4_type
CountryName [0..1] CountryName_type
PlaceStateZip [1..*] PlaceStateZip_type
AddressId [0..1] AddressID_type
AddressAuthority [0..1] AddressAuthority_type
RelatedAddressId [0..*]
AddressXCoordinate [0..1] AddressXCoordinate_type
AddressYCoordinate [0..1] AddressYCoordinate_type
AddressLongitude [0..1] AddressLongitude_type
AddressLatitude [0..1] AddressLatitude_type
USNationalGridCoordinate [0..1]
AddressElevation [0..1] AddressElevation_type
AddressCoordinateReferenceSystem [0..1] AddressCoordinateReferenceSystem_type
AddressParcelIdentifierSource [0..*] AddressParcelIdentifierSource_type
AddressParcelIdentifier [0..*] AddressParcelIdentifier_type
AddressTransportationSystemName [0..1] AddressTransportationSystemName_type
AddressTransportationSystemAuthority [0..1] AddressTransportationSystemAuthority_type
AddressTransportationFeatureType [0..1] AddressTransportationFeatureType_type
AddressTransportationFeatureID [0..1]
RelatedTransportationFeatureID [0..*]
AddressRangeType [0..2] AddressRangeType_type
AddressRangeParity [0..2] AddressRangeParity_type
AddressRangeDirectionality [0..2] AddressRangeDirectionality_type
AddressRangeSpan [0..*] AddressRangeSpan_type
AddressClassification [0..1] AddressClassification_type
AddressFeatureType [0..*] AddressFeatureType_type
AddressLifecycleStatus [0..1] AddressLifecycleStatus_type
OfficialStatus [0..1] OfficialStatus_type
AddressAnomalyStatus [0..1] AddressAnomalyStatus_type
AddressSideOfStreet [0..1] AddressSideOfStreet_type
AddressZLevel [0..1] AddressZLevel_type
LocationDescription [0..1] LocationDescription_type
MailableAddress [0..1] MailableAddress_type
AddressStartDate [0..1] AddressStartDate_type
AddressEndDate [0..1] AddressEndDate_type
DataSetID [0..1]
AddressReferenceSystemId [0..1] AddressReferenceSystemId_type
AddressReferenceSystemAuthority [0..1] AddressReferenceSystemAuthority_type
Action_type
GeneralAddress_type
USPSGeneralDeliveryPoint_type
CompletePlaceName_type
Separator Separator_type
PlaceName [1..*] PlaceName_type
StateName_type
ZipCode_type
ZipPlus4_type
CountryName_type
PlaceStateZip_type
AddressID_type
AddressAuthority_type
AddressXCoordinate_type
AddressYCoordinate_type
AddressLongitude_type
AddressLatitude_type
AddressElevation_type
AddressCoordinateReferenceSystem_type
AddressCoordinateReferenceSystemAuthority AddressCoordinateReferenceSystemAuthority_type
AddressCoordinateReferenceSystemID AddressCoordinateReferenceSystemID_type
AddressParcelIdentifierSource_type
AddressParcelIdentifier_type
AddressTransportationSystemName_type
AddressTransportationSystemAuthority_type
AddressTransportationFeatureType_type
AddressRangeType_type
AddressRangeParity_type
AddressRangeDirectionality_type
AddressRangeSpan_type
AddressClassification_type
AddressFeatureType_type
AddressLifecycleStatus_type
OfficialStatus_type
AddressAnomalyStatus_type
AddressSideOfStreet_type
AddressZLevel_type
LocationDescription_type
MailableAddress_type
AddressStartDate_type
AddressEndDate_type
AddressReferenceSystemId_type
AddressReferenceSystemAuthority_type

3221

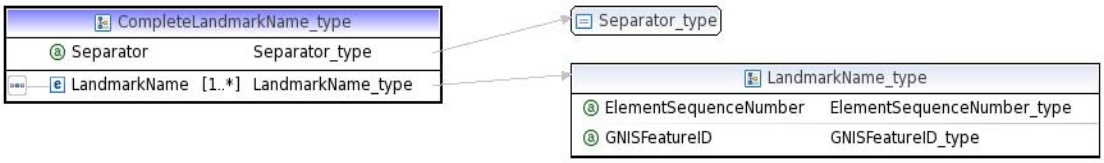
3222 **5.3.3.6.2 Complete Street Name**



3223

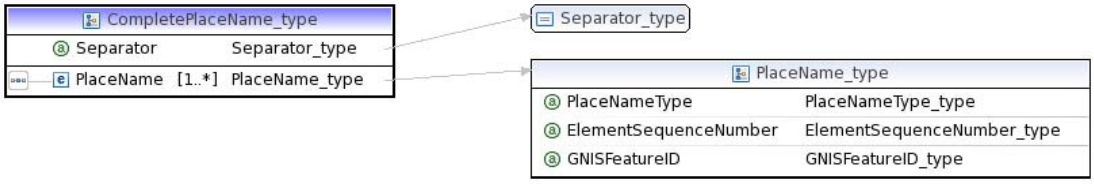
3224 **5.3.3.6.3 Complete Address Number**

3225 **5.3.3.6.4 Complete Landmark Name**



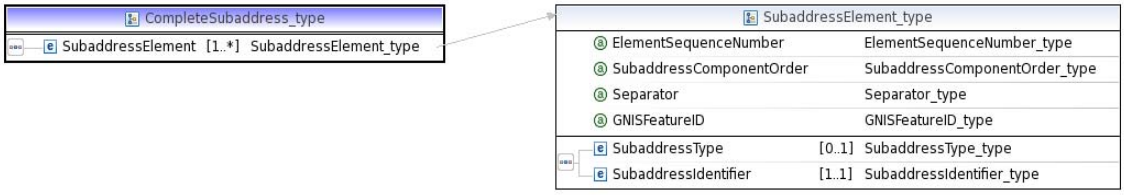
3226

3227 **5.3.3.6.5 Complete Place Name**



3228

3229 **5.3.3.6.6 Complete Subaddress**



3230

3231

3232

3233 6 REFERENCES

3234 **Note:** All references and URLs were current as of September 5-8, 2009, with
3235 selected updates through January 6, 2010.

3236 *6.1 Standards and Specifications Cited*

3237 1. American National Standards Institute. "INCITS 38:200x, Codes for the Identification
3238 of the States, the District of Columbia, Puerto Rico, and the Insular Areas of the
3239 United States." Maintained by the U.S. Census Bureau. (Formerly FIPS Publication 5-
3240 2, May 28, 1987). "Last revised January 9, 2009."