

Attachment A:
Preliminary Comments for 2015 Revision of the United States
Thoroughfare, Landmark, and Postal Address Data Standard
(FGDC-STD-016-2011)

7/20/2015

Table 1. Preliminary comments that need additional review.

	Organization	Paragraph / subpara / PG#	Figure / Table / line #	Comment Type (G / T / E)	Comment	Proposed Change
1	Carl Anderson	112-113	2.3.1.1	T	Clearly make Address ID mandatory	Clearly make Address ID mandatory by creating a grid indicating the Mandatory/Conditional/Optional status of each Simple Element
2	US Census Bureau			T	Allow Geometry to be multiple. Provide clear means of stating what the coordinates represent (position).	Add Map Position element and Address Position (child) element.
3	Carl Anderson	483		T	Add a table indicating the Mandatory/Conditional/Optional status of each Element	Insert a column in the table in Appendix C called Obligation (Mandatory or Optional)
4	Carl Anderson			T	Add Conformance levels/definitions and test for each level	
5	US Census Bureau			T	Correct XML schema issues as identified in attached spreadsheet	
6	Carl Anderson			T	Add a definition of a JSON encoding of the transfer model	
7	US Census Bureau			T	Feature Type notes and examples are a mix of objects and positions.	Update notes and examples to better reflect common feature types such as parcel, building, residential house, apartment complex, unit, intersection, etc.

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8	US Census Bureau	506	Appendix I: 2.2.2	G	Add more explicit examples of linking to NSDI Cadastral Standard	
9	US Census Bureau	510	Appendix I: 2.8.2	G	Add more explicit examples of linking to NSDI Transportation Standard	
10	US Census Bureau	125	2.3.2.6	G	Add the Unit Of Measure attribute to the Address Elevation element to indicate what unit was used to measure the Address Elevation.	Add the Unit Of Measure attribute to the Address Elevation
11	US Census Bureau			T	Add a Sub Country Code	To be compatible with ISO 3166-2
12	Ed Wells	Part 2 all		G	Framework Data Content Std requires that element descriptions include min/max occurrences. It is now shown only in XSD	Add min/max occurs to each element description. Make explicit what is in the XSD.
13	Ed Wells	Part 2 all		T	Framework Data Content Std requires that element descriptions include conditionality. It is now shown only in XSD	Add conditionality to each element description (mandatory, conditional-mandatory, conditional-optional, optional). Make explicit what is in the XSD.
14	Ed Wells			T	The address authority is not always the same as the address ID assigner. Examples: address aggregators; postal address	Add new element: Address IDAssigner. This will tell data users the source of the Address ID

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					compilers, etc .create address databases but do not assign addresses.	
15	Ed Wells			T	"Pre" and "Post" are prefixes not words.	change english language representation of pre and post street name elements
16	Ed Wells			T	"Street Name" is confusing as an element name, because the phrase typically refers to the Complete Street Name.	Rename Street Name element "Street Name Base" or something similar.
17	Ed Wells			T	Separator element is logically three distinct elements that do three different things.	Split Separator element into three different elements (pretype, range, intersection) and rename.
18	Ed Wells			T	Address Std provides no way to show which side of a limited access highway is referenced. This matters for 9-1-1 responders.	Allow "southbound" "northbound" "eastbound" "westbound" (uncapitalized) as Street Name Postmodifiers
19	Ed Wells			T	How to parse service road names such as "Lee Highway Access Road" or "Industrial Parkway Frontage Road"?	Add a note to the relevant element descriptions.
20	Martha Wells			T	Standard provides no way to construct or parse highway interchange ramp names ("I-95 North to I-270 East Ramp"). These matter to 9-1-1	Research and define a syntax or class for highway interchange ramps. Functionally they are turn movements within an intersection, so they might be considered an

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					responders and road maintenance workers.	extension of the Intersection Class. Are any new elements needed to construct the names?
21	Ed Wells			T	Place name notes do not distinguish legislative, administrative, and unofficial place names	Revise place name notes along the lines of the CLDXF discussion.
22	Ed Wells			T	Address ID should be required only for systems of address records (i.e where the address is expected to be unique). Not required where address is embedded in some other record system (e.g 9-1-1 calls, Social Security recipients) where addresses may be repeated.	Revise notes to clarify when Address ID is required. This is necessary for some profiles.
23	Ed Wells			T	Add Street Name ID to distinguish unique street names in support of a master street name list.	Complete Street Name ID
24	Ed Wells			T	Should critical address elements have start and end dates to show lifecycle status?	Consider adding start and end dates for address Number, street name, place name, zip?
25	Ed Wells			G	Address Std and Framework Transportation Std conflict on certain points (e.g. street name elements)	Reconcile address standard with transportation std. May lead to changes in Framework Transportation Std.

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26	Ed Wells			T	USPS Pub 28 is now in v2014	Review Postal Profile for changes
27	Ed Wells			T	NENA CLDXF has changed substantially since 2011 and has been adopted soon. FGDC-CLDXF has been revised accordingly in that standard.	Replace v2011 provisional profile with v2013 CLDXF profile. Maintain in parallel with changes to relevant FGDC elements.
28	Mass GIS			T	The standard doesn't provide enough guidance on the distinction between landmark addresses for buildings and addresses that would be have a sub-address type of building and a sub-address identifier. Is any named building on a campus a landmark?	Add to the notes / comments for both these elements.
29	Mass GIS			T	Having the subaddress type be free-form, and leaving the domain to local authorities, seems too loose.	Consider having a domain for this element.
30	Fairview Industries			G	Define roles and use consistently throughout, for example, producers (assigners, authoritative source), aggregators (compilers), publishers (trusted source, api etc)	
31	Fairview			G	Define an essential core data set that could be used by perhaps	

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	Industries				smaller or less sophisticated jurisdictions	
32	US Census Bureau	360	Section 5.2	G	Replace FGDC Content Standard for Digital Geospatial Metadata (CSDGM) with the ISO 19115-1 Standard. The FGDC CSDGM is being phased out.	Change the FGDC CSDGM part of the exchange with ISO Standard 19115-1
33	Census	31		G	Add a definition for the Action attribute to the address class	Add a definition for the Action attribute to the address class
34	Census	186	After 2.3.9.4	E		Insert a definition for the action element of each address class. This attribute exists for each address class in the schema but the text of the standard makes no mention of it.
35	US Census Bureau	185	2.3.9.4	T	Add schema for this element (Address Direct Source). Decide where this should go in the address class	Add a schema and an XML element for this element.
36	US Census Bureau	216	2.5.17	E/T	The schema and the XML example for the Address Reference System Range Breakpoint element needs to be corrected.	Correct the schema and XML example for the Address Reference System Range Breakpoint element.
37	US Census Bureau	218	2.5.18	T/E	Correct the name for the Address Reference System	Fix the schema and XML example to reflect GML 3.2.1.

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					Range Breakline element.	
38	US Census Bureau	198	2.5.4	T/E	Correct the schema and the XML example to reflect GML 3.2.1 for the Address Reference System Extent element	Correct the schema and XML example.
39	US Census Bureau	212	2.5.14	T/E	Correct the schema and XML example to reflect GML 3.2.1 for the Address Reference System Axis Point Of Beginning element.	
40	US Census Bureau	222	2.5.21	T/E	Correct the schema for "AddressReferenceSystem	
41	US Census Bureau	210	2.5.13	T/E	Correct the schema for the Address Reference System Axis. Also update the XML example to reflect GML 3.2.1.	
42	US Census Bureau	219	2.5.19	T/E	Correct the XML schema and update the XML example to reflect GML 3.2.1. Also confirm its order in the Address Reference System_type and its multiplicity.	
43	US Census Bureau	222	2.5.21	T/E	Update the schema for the Address Reference System to reflect the updates made to the schemas for the other Address Reference System elements	

Table 2. Edits to be reflected in public review draft.

	Organization	Paragraph / subpara / PG#	Figure / Table / line #	Comment Type (G / T / E)	Comment	Proposed Change
1	US Census Bureau	416		T	Indicate that Address ID element should be mandatory.	Insert the following sentence into the xsd:documentation documentation element after the last sentence: ""Every address shall have an Address Id.
2	US Census Bureau	464		T	Modify the schema to make the Address ID element mandatory	Remove the Address Id element from the Address Attributes_group. This is suggested in order to make the Address Id element mandatory.
3	US Census Bureau	468		T	Make the Address Id element mandatory for the Numbered Thoroughfare Address_type.	Insert the following into the into the Numbered Thoroughfare Address_type: <xsd:element name=""AddressId"" type=""addr_type: Address ID_type"/>. This change is suggested to make the Address ID mandatory.
4	US Census Bureau	469		T	Make the Address Id element mandatory for the Intersection Address_type	insert the following into the Intersection Address_type: <xsd:element name=""AddressId"" type=""addr_type:AddressID_type ""
5	US Census Bureau	469		T	Make the Address Id element mandatory for the Two Number	insert the following into the ITwo Number Address Range_type:

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					Address Range class	<xsd:element name="AddressId" type="addr_type:AddressID_type"
6	US Census Bureau	470		T	Make the Address Id mandatory for the Four Number Address Range	insert the following into the Four Number Address Range_type: <xsd:element name="AddressId" type="addr_type:AddressID_type"
7	US Census Bureau	471		T	Make the Address Id mandatory for the Unnumbered Thoroughfare Address Class	insert the following into the into the Unnumbered Thoroughfare Address Type: <xsd:element name="AddressId" type="addr_type:AddressID_type" />
8	US Census Bureau	472		T	Make the Address Id mandatory for the Landmark Address class	insert the following into the Landmark Address class: <xsd:element name="AddressId" type="addr_type:AddressID_type" />
9	US Census Bureau	472		T	Make the Address Id element mandatory for the Community Address class	insert the following into the Community Address_type: <xsd:element name="AddressId" type="addr_type:AddressID_type" />
10	US Census Bureau	473		T	Make the Address Id element mandatory for the USPS Postal Delivery Route class	insert the following into the USPS Postal Delivery Route_type: <xsd:element name="AddressId" type="addr_type:AddressID_type" />

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11	US Census Bureau	473		T	Make the Address Id mandatory for the USPS General Delivery Office class	insert the following into the USPS General Delivery Office type: <xsd:element name="AddressId" type="addr_type:AddressID_type" />
12	US Census Bureau	474		T	Make the Address Id mandatory for the General Address Class	"insert the following into the General Address Class type: <xsd:element name="AddressId" type="addr_type:AddressID_type" />"
13	US Census Bureau	392		T	Change the version to 0.4.4	change "0.4.3" to "0.4.4"
14	US Census Bureau	392		T	Change the version to 0.4.4	change "0.4.3" to "0.4.4"
15	US Census Bureau	392		T	Change the version to 0.4.4	change <xsd:enumeration value='0.4.3' /> to <xsd:enumeration value='0.4.4' />
16	US Census Bureau	467		T	Change the version to 0.4.4	change "0.4.3" to "0.4.4"
17	US Census Bureau	467		T	Change the version to 0.4.4	change "0.4.3" to "0.4.4"
18	US Census Bureau	476		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
19	US Census	476		T	Make the Address Id element	Insert the Address Id element in

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	Bureau				mandatory for the Numbered Thoroughfare Address_type.	the example.
20	US Census Bureau	476		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
21	US Census Bureau	476		T	Make the Address Id element mandatory for the Intersection Address Address_type.	Insert the Address Id element in the example.
22	US Census Bureau	477		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
23	US Census Bureau	477		T	Make the Address Id element mandatory for the Two Number Address Range.	Insert the Address Id element in the example.
24	US Census Bureau	477		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
25	US Census Bureau	477		T	Make the Address Id element mandatory for the Four Number Address Range.	Insert the Address Id element in the example.
26	US Census Bureau	478		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection	change version="0.4" to version="0.4.4"

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					element	
27	US Census Bureau	478		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element.	change version="0.4" to version="0.4.4"
28	US Census Bureau	478-479		T	Make the Address Id element mandatory for the Landmark Address.	Insert the Address Id element in the example.
29	US Census Bureau	478		T	Make the Address Id element mandatory for the Unnumbered Thoroughfare Address	Insert the Address Id element in the example.
30	US Census Bureau	479		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
31	US Census Bureau	479		T	Make the Address Id element mandatory for the Community Address	Insert the Address Id element in the example.
32	US Census Bureau	480		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
33	US Census Bureau	480		T	Make the Address Id element mandatory for the USPS Postal Delivery Box	Insert the Address Id element in the example.
34	US Census	480		T	Change the version to 0.4.4 by	change version="0.4" to

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	Bureau				changing the version attribute of the Address Collection element	version="0.4.4"
35	US Census Bureau	480		T	Make the Address Id element mandatory for the USPS Postal Delivery Route	Insert the Address Id element in the example.
36	US Census Bureau	481		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
37	US Census Bureau	481		T	Make the Address Id element mandatory for the USPS General Delivery Office	Insert the Address Id element in the example.
38	US Census Bureau	481		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
39	US Census Bureau	481		T	Make the Address Id element mandatory for the General Address Type 1	Insert the Address Id element in the example.
40	US Census Bureau	481		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
41	US Census Bureau	481		T	Make the Address Id element mandatory for the General	Insert the Address Id element in the example.

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					Address Type 2 class	
42	US Census Bureau	482		T	Change the version to 0.4.4 by changing the version attribute of the Address Collection element	change version="0.4" to version="0.4.4"
43	US Census Bureau	482		T	Make the Address Id element mandatory for the General Address Type 3	Insert the Address Id element in the example.
44	US Census Bureau	231		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
45	US Census Bureau	234		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
46	US Census Bureau	237		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
47	US Census Bureau	240		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
48	US Census Bureau	243		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
49	US Census Bureau	245		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
50	US Census Bureau	247		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
51	US Census Bureau	250		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"

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52	US Census Bureau	254		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
53	US Census Bureau	257		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
54	US Census Bureau	259		T	Change the version to 0.4.4	change "0.4.2" to "0.4"
55	US Census Bureau	259		T	Change the version to 0.4.4	change "0.4.2" to "0.4.4"
56	US Census Bureau	420-421		T	Change the Address Reference System Grid Angle_type from a complexType to a simpleType	Replace the current Address Reference System Grid Angle_type complex type with the following: <xsd:simpleType name="AddressReferenceSystem GridAngle_type"><xsd:annotation><xsd:documentation xml:lang="en">The degree to which a specific, named address grid is tilted off a north/south or east/west orientation.</xsd:documentation></xsd:annotation> <xsd:restriction base="xsd:double"></xsd:restriction></xsd:simpleType>
57	Census	259		T	Change the Example for the General Address Type 1 to an	Make it an XML example

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					XML example	
58	US Census Bureau	214	2.5.16	E	The name of the Address Reference System Reference Polyline element needs to be corrected. The XML example needs to be updated to reflect GML 3.2.1	Change the name of the element name from Address Reference System Reference Polyline to Address Reference System Reference Polyline. Fix the XML example by supplying gml:id for the gml:MultiCurve and gml:Curve elements.