

Template for comments and secretariat observations

Date: 2/22/6

Document: INCITS Ballot 007-06 INCITS 1574-D,
Information technology - Geographic Information
Framework Data Content Standards.

1	2	(3)	4	5		(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB		Proposed change by the MB	Secretariat observations on each comment submitted
US GS- 1			ge	UML diagrams and data dictionary do not agree at all well. Multiplicities in the diagrams don't agree with the Obligation/condition and/or Maximum occurrence.		Correct diagrams and/or tables so that multiplicities in the diagrams don't agree with the Obligation/condition and/or Maximum occurrence	Accepted
US GS- 2			ge	There are still several acronyms used in the part that are not defined in the list of terms and several that are in the list of terms which appear in the Base (part 0) and should not be listed here.		Review Part 7a for use of acronyms and add missing acronyms to Section 5. Cross-check Section 5 against Base (part 0) and delete acronyms in Section 5 that are in Base.	Accepted
US GS- 3			ge	UML diagrams and data dictionary do not agree at all well. There is no associated text to describe the UML features or the contents of the data dictionaries. Many, many, many of the attributes have type-expressions with identical names as the attribute; improper capitalization of both the attribute name and the type-expression; and what appear to be code lists or enumerations in the type-expressions are not present in either the UML diagrams or list of tables.		Provide text to describe features to support the UML diagrams and data dictionaries. Provide appropriate type expressions. Use correct capitalization of the attribute name (begins with lowercase) and type - expressions (uses title case) Add code lists and enumerations.	Accepted
US GS- 4			ge,te	UML diagrams and data dictionaries still need work. Many of the same attributes found in multiple classes don't show the same multiplicity; type-expression names don't agree with the enumeration name; several enumerations appear to be more like code lists (extensible lists of values). Figures 2, 3 & 4 are identical. There are missing UML classes based on the data dictionary.		Make UML diagrams and data dictionaries consistent with each other. Correct Figures 2, 3, and 4	Accepted
US GS- 5			ge	There is no associated informative text to accompany the UML diagrams or data dictionaries.		Provide text to describe features to support the UML diagrams and data dictionaries.	Rejected – Editing Committee decided text was necessary.

Type of comment: ge = general te = technical ed = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

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US GS- 6			ge,te	There is so little supporting text that it is hard to tell whether the data dictionaries or the UML diagrams are correct. There are missing UML diagrams and duplicate UML diagrams. Many of the attribute names and type-expressions are identical (even to capitalization which is often incorrect) and that can't be because that would result in a circular notation (i.e., status_d: status_d is saying that the value for status_d is status_d which is status_d which is status_d and on and on and on, yet there appears to be an enumeration or code list-Status_d). Code lists and enumerations don't follow standard naming practice (UML Specifications vers. 1.5 say that enumerations should end in "Kind" and it would be nice to end code lists with "Type")	Provide text to describe features to support the UML diagrams and data dictionaries. Add missing UML diagrams and delete duplicate UML diagrams. Provide appropriate type expressions. Use standard naming practice for code lists and enumerations.	Rejected – Editing Committee decided text was necessary. Accepted
US GS- 7			ge,te	The format of the UML diagrams is not consistent with the other parts. This part has exploded all of the inherited attributes in each class instead of showing inheritance through a generalization in the UML diagram. By exploding the classes, each attribute listed in the class diagram must also be listed in the data dictionary. Although this is OK, it also increases the size of the document via the data dictionary but does not give a good graphical picture of relationships. In addition, few associations are shown in the diagrams or listed in the data dictionaries, yet the Enterprise Architect documentation lists many associations. Without supporting text and diagrams showing associations, programmers won't know about them.	Show inheritance through generalization of the UML diagram, rather than exploding classes. Add associations to UML diagrams and data dictionaries.	Accepted

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US GS-8		Table 1, Table 2, Table 6, Table 7, Table 10, Table 11	te,ed	Definitions for latitude and longitude in the data dictionaries need to be redefined. Don't use the term to define itself. Latitude is a measure of degrees north and south of the equator and should not show negative numbers for the Western hemisphere.	Change definition for latitude to “angle from the equatorial plane to the perpendicular to the ellipsoid through a given point, northwards treated as positive” and definition for longitude to “angle from the prime meridian plane to the meridian plane of a given point, eastward treated as positive” and cite ISO 19111 (geodesic latitude, geodetic longitude) as the source.	Accepted
US GS-9		Figure 3	te	This is not the correct UML diagram for Apron. Also see comment USGS-4	Provide a UML diagram with the correct content for Apron	Accepted.
US GS-10		Figure 12	te	Although a new feature, ObstructionArea, was created, many of the attributes (for example, dispostn_d, faa_d) have type-expressions with the identical name as the attribute, the type-expression name is not properly capitalized, or the appropriate enumeration or code list is not present. See also comment USGS-6	Use type-expressions consistent with Table 7	Accepted
US GS-11		Figure 20	te	There is no associated text and the new UML diagram doesn't begin to show what was written in the public review text: Lighting is either VGSILighting or NonVGSILighting. Lighting has a zero to many associating with an Obstacle. Lighting is also associated with RunwayThresholdLighting, RunwayLighting, TaxiwayLighting, HelipadLighting, and ApronLighting. Geometry is GM_Point inherited from VGSILighting.	Provide explanatory text for Figure 20	Rejected – Editing Committee decided text was necessary.

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US GS-12		Annex A	ed	Several references that are cited in the definitions are still missing. (These include FAA, NGS, FAA Order 6750.16C, 14 CFR Part 150, AC 150/5300-13 [should probably be Faa AS 150/5300-13], AC 150/5220-22 [should probably be FAA AC 150/5220-22], Order 7110.118 [probably from ATCT which also is not in list of references], DHS, and ICAO Annex 14 (Aerodromes). I also question if the reference FAA AC 150/5300-13, Appendix 7, Order 5190, 6A, Section 5 refers to two or more separate references because sometimes multiple references are only separated by a comma as in the references listed for MarkingLine.)	Add references cited in Section 4, Terms and Definitions to Annex A	Accepted

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