DDI Alliance Controlled Vocabulary for NumericType

CV definition

Specifies the type of numeric data.

Details

CV short name:	NumericType
CV name:	Numeric Type
CV notes:	

This Controlled Vocabulary was first published by the DDI Alliance. Please see: https://ddialliance.org/controlled-vocabularies/all

Language:	English (en)
Version:	1.1.0
Version notes:	Float, Double: Code definition edited to eliminate suspicious character.
Version changes:	Code definition rephrased: Float Code definition rephrased: Double
Canonical URI:	urn:ddi:int.ddi.cv:NumericType:1.1.0
Agency:	DDI Alliance

Code list

Code value	Code descriptive term	Code definition
Integer	Integer	Whole numbers, the infinite set of integers, no minimum or maximum value. An integer datatype corresponding to the W3C XML Schema's xs:integer datatype.
Int	Int	Whole numbers in the range -2147483648 .. 2147483647. An integer datatype corresponding to the W3C XML Schema's xs:int datatype.
Long	Long	Whole numbers in the range -9223372036854775808 .. 9223372036854775807. A numeric datatype corresponding to the W3C XML Schema's xs:long datatype.
Short	Short	Whole numbers in the range -32768 .. 32767. A numeric datatype corresponding to the W3C XML Schema's xs:short datatype.
Decimal	Decimal	A subset of real numbers, which can be represented by a finite-length sequence of decimal digits (0-9) separated by a period as a decimal indicator. An optional leading sign is allowed. If the sign is omitted, "+" is assumed. Leading and trailing zeroes are optional. If the fractional part is zero, the period and following zero(es) can be omitted. For example: -1.23, 12678967.543233, +100000.00, 210. A numeric datatype corresponding to the W3C XML Schema's xs:decimal datatype.
Float	Float	Single-precision 32-bit floating point type: The basic

Code value	Code descriptive term	Code definition
		value space of float consists of the values m*2^e, where m is an integer whose absolute value is less than 2^24, and e is an integer between -149 and 104, inclusive. In addition, it also contains the following three special values: positive and negative infinity and not-a-number (NaN). The special values positive and negative infinity and not-a-number have lexical representations INF, -INF and NaN, respectively. Lexical representations for zero may take a positive or negative sign. For example, -1E4, 1267.43233E12, 12.78e-2, 12 , -0, 0 and INF are all legal literals for float. A numeric datatype corresponding to the W3C XML Schema's xs:float datatype.
Double	Double	Double-precision 64-bit floating point type. The basic value space of double consists of the values m*2^e, where m is an integer whose absolute value is less than 2^53, and e is an integer between -1075 and 970, inclusive. In addition to the basic value space described above, the value space of double also contains the following three special values: positive and negative infinity and not-a-number (NaN). The special values positive and negative infinity and not-a-number have lexical representations INF, -INF and NaN, respectively. Lexical representations for zero may take a positive or negative sign. For example, -1E4, 1267.43233E12, 12.78e-2, 12 , -0, 0 and INF are all legal literals for double. A numeric datatype corresponding to the W3C XML Schema's xs:double datatype.
Count	Count	Ordinal number of objects in a finite set, discrete. A simple incrementing Integer type. When using in DDI-L, the "isSequence" facet must be set to true, and the "interval" facet must be set to "1".
Incremental	Incremental	A value that increases continuously and infinitely by a given amount. Use of this term in DDI-L indicates that the value increases by the amount provided in the "interval" facet; the "isSequence" facet will be set to "true".
Other	Other	Use if the numeric type is known, but not found in the list.

Usage

[DDI-L 3.3](#)
Module name: reusable
Element name: [NumericTypeCode](#)

[DDI-L 3.2](#)
Module name: reusable
Element name: [NumericTypeCode](#)

[DDI-C 2.5](#)
Element/Attribute name: [varFormat@otherCategory](#)
Element/Attribute XPath: /codeBook/dataDscr/var/varFormat/@otherCategory

For the "category attribute", a value from a controlled vocabulary may be provided if the "other" value is chosen. In this case, the term from the controlled vocabulary should be placed in the "otherCategory" attribute, and the controlledVocabUsed element (in the Document Description section) should also be filled in.
 Edit

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