

Longitude degrees minutes seconds Xd[dd]{mm}{ss}{.ss}

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Longitude degrees minutes seconds Xd[dd]{mm}{ss}{.ss}

Identifying and definitional attributes

Metadata item type:	Value Domain
METEOR identifier:	469915
Registration status:	Community Services (retired) , Standard 10/04/2013 Disability , Standard 13/08/2015
Definition:	A numeric measurement of longitude represented in degrees, minutes, seconds and decimal seconds as a combination of the sexagismal and decimal format.

Representational attributes

Representation class:	Identifier
Data type:	Geospatial
Format:	Xd[dd]{mm}{ss}{.ss}
Maximum character length:	10
Unit of measure:	Degree Minute Second

Collection and usage attributes

Guide for use:	<p>The 'X' in the longitude format symbolises the designator symbol "+" or "-" and should be placed prior to the first number. The designator symbol for longitudes east of Greenwich are positive and shall be designated by use of the plus sign (+), while longitudes west of Greenwich are negative and shall be designated by use of the minus sign (-). The Prime Meridian shall be designated by use of the plus sign (+). The 180th meridian shall be designated by use of the minus sign (-).</p> <p>The 'd' should be used to represent the degrees as a one, two or three digit number. The 'm' should be used to represent minutes as a two digit number (i.e. a place holding zero should be used for minute values under 10 for clarity). The 's' should be used to represent seconds (before the decimal) and decimal seconds (after the decimal), as a two digit number (i.e. a place holding zero should be used for second and decimal second values under 10 for clarity). Zero may also be a valid value, such as where there is no minute value but there is a second value.</p> <p>As a minimum the designator and a one digit representation for degrees must be populated. The remaining brackets and braces are optional, however, if seconds or decimal seconds are to be used the preceeding values must also be populated (i.e. seconds cannot be populated without minutes being populated, and decimal seconds can not be populated without a seconds value).</p> <p>Usage example: a traditional degrees, minutes & seconds representation for longitude of + 40° 09' 09.05" should be represented as a string format +400909.05 (Note: this is not a decimal degrees representation format, but a concatenation of the degree, minute, second and decimal second values).</p>
Comments:	The ISO 6709 standard recommends leading zeroes for degree values less than 100, however this has not been implemented in the METeOR standard, in accordance with METeOR business rules.

Source and reference attributes

Origin:	Standards Australia/Standards New Zealand 2008. AS/NZS ISO6709:2008—Standard representation of latitude, longitude and altitude for geographic point locations. Sydney/Wellington: Standards Australia/Standards NZ.
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Relational attributes

**Data elements
implementing this value
domain:**

[Address—geocode longitude, degrees minutes seconds Xd\[dd\]\[mm\]{ss}{.ss}](#)
[Community Services \(retired\)](#), Standard 10/04/2013
[Disability](#), Standard 13/08/2015