

All Fields marked with * are mandatory.

Change Request #:	129
Assigned OGC Document #:	11-002
Name:	*Jason Mathews
Organization:	*MITRE
Email:	*mathews@mitre.org
Document Name/Version:	*KML / 2.2.0
OGC Project Document:	*07-147r2
If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐ Enter the CR number here: Enter the Revision Number that you are revising here:	
Title: 	*Add date type to list of SimpleField types
Source: 	*KML SWG
Work item code: 	
Category: 	* B (Addition of feature)
Reason for change: 	* Date values in ExtendedData/Schema/SimpleFields should be added with an explicit \"date\" type as opposed to using the string type. The \"string\" type may allow KML designers to represent date values in non-standard ways making consumers of such data write custom translators and mapping functions. An explicit \"date\" would force designers to use a common date format.

Summary of change:

*

Add \"date\" type to list of types allows for SimpleField.

The \"date\" type could be the explicit XML Schema xs:dateTime type or the more general kml:dateTimeType simpleType.

The \"type\" attribute of the KML Schema is a string so only the KML specification and best practice documents would need updating.

From a best practice point of view the ISO date should be restricted to the date'T'time'Z' (e.g. 2010-10-20T09:23:37.46Z) format and omit the alternate +/- timezone form which often isn't implemented correctly in end-user applications.

Consequences if not approved:

Having no date type makes KML producers do-their-own-thing wrt dates values. Most designers by convention will use the xs:dateTime (ISO 8601 formatted dates) as strings but if it's not defined then it is up for grabs. This affects interoperability since KML is being used as more than just an end user product data format such as SVG.

Clauses affected:

*

9.9.4.2.1 SimpleField description

OGC 07-113r1 8.34.3 Elements Specific to Schema

Additional Documents affected:

OGC 07-113r1 8.34.3

Supporting Documentation:

Comments:

Status:

Assigned

Assigned To:

KML SWG

Disposition:

Referred and Posted