All Fields marked with * are mandatory.

Change Request #:	264
Assigned OGC Document #:	13-001
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Document Name/Version:	*GeoAPI 3.0 Implementation Standard / 3.0
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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 Revsion Number that you are revising here:	
Title:	* [GeoAPI 3.0 SWG] Flag the interfaces considered "abstract" according ISO speci
Source:	*http://jira.codehaus.org/browse/GEO-200
Work item code:	
Category:	* B (Addition of feature)
Reason for change:	* OGC and ISO specifications define some abstract types as the basis of concrete types. For example CS_CoordinateSystem is abstract while CS_CartesianCS and CS_EllipsoidalCS are concrete subtypes. Abstract and concrete types map naturally to abstract and concrete classes in programming languages like Java. However (at least in Java), they can not be distinguished in an API defined only by interfaces. While implementations may not need this information to be carried in the interfaces, having this information allow verification tools to perform additional checks. For example the geoapi-conformance module provides numerous validate(â�) methods for checking if some invariants hold, but currently has no easy way to check if a given implementation implements a concrete ISO type.

