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Change Request #:	226
Assigned OGC Document #:	12-086
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Document Name/Version:	*OpenGIS® Catalogue Service Implementation Specification, Version 3.0 / 0.0.2
OGC Project Document:	*10-032r1
If this is a revision of a previous submission and you have a Change Request Number, then check here: <input type="checkbox"/>	
Enter the CR number here: <input type="text"/>	
Enter the Revision Number that you are revising here: <input type="text"/>	
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Title:	* <input type="text" value="[OpenSearch] values for the relation parameter are insufficient"/>
Source:	*pvretano@cubewerx.com
Work item code:	
Category:	* F (Critical correction)
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Reason for change:	* The current list of operators that are valid values for the "relation" parameter are overlap, contains and disjoint. This list is incomplete and there is not reference describing exactly what "overlap", "contains" and "disjoint" mean.
Summary of change:	* 1) Reference "OpenGIS Implementation Specification for Geographic information - Simple feature access - Part 1: Common architecture", 06-103r4 in the normative references so that the specific meaning of the relation operators is known.

	<p>2) Expand the list to include the remaining spatial operators. Choosing the three listed above seems rather arbitrary. The complete list should be Equals, Disjoint, Touches, Within, Overlaps, Crosses, Intersects and Contains.</p> <p>3) Make the default Intersects (not overlaps) which is equivalent to !Disjoint.</p> <p>4) To simplify implementations the "Arbitrary Geometry Search" conformance class can be split into the "Basic Arbitrary Geometry Search" conformance class which only supports the Intersects operator and the "Arbitrary Geometry Search" conformance class which support all the spatial relation operators.</p>
<p>Consequences if not approved: ⓘ</p>	<p>The "Arbitrary Geometry Search" class is meaningless since the specific meaning of the spatial operators is not described. Once the meaning of the operators is established, making Overlaps the default does not make sense since a search will miss responses that are Within the search geometry (for example). Intersects (i.e. any non-disjoint interaction makes more sense as a default).</p>
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<p>Clauses affected: ⓘ</p>	<p>* 2, 9.2</p>
<p>Additional Documents affected: ⓘ</p>	
<p>Supporting Documentation: ⓘ</p>	
<p>Comments: ⓘ</p>	
<p>Status: ⓘ</p>	<p>Assigned ⇅</p>
<p>Assigned To: ⓘ</p>	<p>Cat 3.0 SWG ⇅</p>
<p>Disposition: ⓘ</p>	<p>Referred and Posted ⇅</p>