

All Fields marked with \* are mandatory.

<b>Change Request #:</b>	136
<b>Assigned OGC Document #:</b>	11-023
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<b>Document Name/Version:</b>	*Symbology Encoding Implementation Specification / 1.1.0
<b>OGC Project Document:</b>	*05-077r4
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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<b>Title:</b>	*Symbology Encoding Improvements
<b>Source:</b>	*huh?
<b>Work item code:</b>	<input type="text"/>
<b>Category:</b>	* B (Addition of feature)
<hr/>	
<b>Reason for change:</b>	* We've made lots of extensions to SLD in order to achieve high quality rendering. If SLD seeks to be comprehensive enough to be able to render a high quality base map then these changes are essential, imho. If SLD is just about overlaying stuff roughly on top of other base maps then these aren't essential, but would be nice improvements for people.

**Summary of change:**

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See  
<http://docs.geoserver.org/latest/en/user/styling/sld-reference/labeling.html#geoserver-specific-enhanced-options>  
It's about 10 labeling improvements. We do them all as vendor options, but could be nice good to put them as real options.

A couple other things we've done that could be embraced more by the spec:

<http://docs.geoserver.org/latest/en/user/styling/sld-extensions/geometry-transformations.html>  
For this all you really need to do in the spec is officially relax the Geometry fields to be Expressions.

<http://docs.geoserver.org/latest/en/user/styling/sld-extensions/substitution.html>  
is probably more an SLD improvement. But it's quite powerful to be able to pass down parameters to the SLD.

The other thing of note is  
<http://blog.geoserver.org/2008/12/08/dynamic-symbolizers-part-1/>  
<http://blog.geoserver.org/2008/12/16/dynamic-symbolizers-part-2/>  
<http://blog.geoserver.org/2009/06/01/geoserver-chart-extension/>

These can all be done within the current SLD rules, but could be nice to show standardize a bit the using of CQL in URL's.

Andrea gave a talk on the stuff we've done in the last year, I can get that to you. And somewhere we have the .xsd for our schema extensions.

You need it to be able to make maps like  
<http://sinv-56029.edu.hsr.ch/maps/> and <http://osm-wms.de/> and <http://ride.trimet.org/>

**Consequences if not approved:**

No high quality basemaps possible with just SLD.

**Clauses affected:**

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New clauses

**Additional Documents affected:**

**Supporting Documentation:**

**Comments:**

**Status:**

Assigned

**Assigned To:**

SLDSE 1.2 SWG

**Disposition:**

Referred and Posted