

About This Standard

Current Status *Emerging*

Standard Identifier OGC SLD 1.1.0

Title of Standard

Styled Layer Descriptor profile of the Web Map Service Implementation Specification Version: 1.1.0 (revision 4) (OGC 05-078r4), 19 June 2007

Standards History

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2009-03-26	2009-03-26	n/a	2009-03-26	2009-03-26	n/a

Standards Body

[Other](#)

[Broken Link?](#)

URL to Access or Acquire

<http://www.opengeospatial.org>

Working Group

Primary Owner Geospatial Intelligence (GWG)
Secondary Interest No Secondary Interest

Service Area

GEOINT: Geospatial

KIPs

No KIP Found

Standard Applicability

2009-03-27

The standard may be used for the development of any system intended to provide net access to GEOINT data to be displayed as a map or spatially reference image, and for systems that need to access and display such data. It should be used in either case if there is a requirement for user-specified map symbology. There are no competing standards.

Standard Abstract

2009-03-27

This specification addresses the need for geospatial consumers (either humans or machines) to control the visual portrayal of the data with which they work. The OpenGIS Web Map Service (WMS) Implementation Specification supports the ability for an information provider to specify very basic styling options by advertising a preset collection of visual portrayals for each available data set. However, while a WMS can provide the user with a choice of style options, the WMS can only tell the user the name of each style. It cannot tell the user what the portrayal will look like on the map. More importantly, the user has no way of defining styling rules. This specification defines a styling language for both purposes that the client and server can both understand.

Profiling Questions

GEOINT: Geospatial

- Does your application need to provide net access to GEOINT data as a map or spatially referenced image or need to access or display GEOINT data?

Products Incorporating This Standard

SLD 1.1.0 has been implemented by CubeWerx, ESRI, and Intergraph.

Relevant Information

None

Implementation Guidance

None

Standard Selection Criteria

Interoperability/Supportability

The DISR already includes the mandated standard for SLD 1.0. OGC split the old SLD 1.0 specification into two specifications: (1) SLD 1.1.0: contains the protocol for communicating with a WMS about how to style a layer; and (2) Symbology Encoding Implementation Specification: actual description of the styling.

Technical Maturity

This has been a standard since June 2007. CubeWerx is the main contributor to this standard. CubeWerx, ESRI, and Intergraph have products that implement this standard.

Public Availability

SLD is available in the public domain at <http://opengeospatial.org>.

Implementability

SLD 1.1.0 has been implemented by CubeWerx, ESRI, and Intergraph.

Authority

Open Geospatial Consortium Inc. developed and continues to maintain this standard. The Open Geospatial Consortium, Inc (OGC) is an international industry consortium of 368 companies, government agencies and universities participating in a consensus process to develop publicly available interface specifications. OpenGIS Specifications support interoperable solutions that "geo-enable" the Web, wireless and location-based services, and mainstream IT. The specifications empower technology developers to make complex spatial information and services accessible and useful with all kinds of applications. OGC's process is described at <http://www.opengeospatial.org/ogc/process>

Standard Type Non-Military

Standard Classification Unclassified

Keywords for Search WMS, geoint, geospatial, gis, map, portrayal, symbology, visualization