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Change Request #:	107
Assigned OGC Document #:	10-142
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Document Name/Version:	*Symbology Encoding Implementation Specification / 1.1.0
OGC Project Document:	*05-077r4

If this is a revision of a previous submission and you have a Change Request Number, then check here:
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Enter the CR number here: [   ]

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Title: ⊙	*Treatment of properties with a cardinality greater than 1
Source: ⊙	*SLDSE.swg
Work item code: ⊙	
Category: ⊙	* ⎣ C (Functional modification of feature) ⎦

Reason for change: ⊙	* The SLD/SE spec does not give any information on how to deal with properties which carry a cardinality greater than 1. We should think about this, because (a) properties with cardinality > 1 are quite common in data models and (b) FE and WFS 2.0 will address this problem explicitly (at least in some contexts).

Summary of change:	* Devise a treatment for properties with a cardinality > 1 in general. The minimum is a clear statement that SE requires properties of cardinality <= 1. Define special cases where the treatment appears simple and straight.
Consequences if not approved:	A partly undefined and therefore ambiguous specification.
Clauses affected:	* 11.1.2 Geometry and 11.1.3 Stroke (definition of ParameterValueType)
Additional Documents affected:	
Supporting Documentation:	The geometry property explained in 11.1.2 is an easy case. Suggestion is to repeat the Symbolizers for each instance of the geometry. General properties used via the ParameterValueType mechanism need to be discussed. I currently see the following possibilities: 1. Multiple properties are an error ("make them use a [1] predicate where necessary"); 2. We automatically pick any non-null value; 3. We introduce some aggregation Function/option; 4. We convert multiple values into a list of values as required by some elements (DashArray for example); 5. We find some other use for it in the symbolization process.
Comments:	
Status:	Assigned
Assigned To:	SLDSE 1.2 SWG
Disposition:	Reffered