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Change Request #:	**335**
Assigned OGC Document #:	**13-125**
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Document Name/Version:	*Web Feature Service 2.0 Interface Standard (also ISO 19142) / 2.0
OGC Project Document:	*09-025r1

If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐
Enter the CR number here: [   ]
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Title:	* [WFS/FES SWG] Default srsName for geometries in GetFeature response
Source:	*interactive instruments, OGC CITE tests
Work item code:	
Category:	* F (Critical correction)

Reason for change:	* It has been and is current practice that the srsName on the envelope of a feature collection is the default CRS of the geometries in a feature collection (e.g. the GetFeature response). This behaviour is normal GML behaviour, if the feature collection is a GML feature, but with WFS 2.0 this is no longer the case. The CITE team insisted that the srsName in the gml:Envelope of the GetFeature response does not meet the criteria to be used as a default srsName for all feature geometries. Technically this reading is correct for the reason mentioned above and we need to explicitly clarify the intended mechanics in WFS 2.0.1.
Summary of change:	* Specify that a srsName on the envelope of a feature collection is the default srsName for all geometries in the feature collection
Consequences if not approved:	Inconsistency with previous WFS versions and current practice as well as additional redundancy/overhead as srsName attributes must be attached to all geometries.

Clauses affected:	* Include a statement similar to the one from GML 3.2.1, 9.10 in WFS 2.0.1, e.g. in a new sub-clause 11.3.6: "For convenience in constructing feature collection instances, the value of the srsName attribute on the gml:Envelope which is the value of the gml:boundedBy property of a feature collection shall be

	inherited by all directly expressed geometries in all properties of the members of the collection, unless overruled by the presence of a local srsName. Thus it is not necessary for a geometry to carry a srsName attribute, if it uses the same coordinate reference system as given on the gml:boundedBy property of the envelope. Inheritance of the coordinate reference system continues to any depth of nesting, but if overruled by a local srsName declaration, then the new coordinate reference system is inherited by all its children in turn."
Additional Documents affected: 🌐	
Supporting Documentation: 🌐	
Comments: 🌐	See https://portal.opengeospatial.org/?m=projects&a=view&project_id=85&tab=5&act=details&issue_id=862 for the related discussion in the CITE issues tracker.
Status: 🌐	Assigned ⇕
Assigned To: 🌐	WFS/FES SWG ⇕
Disposition: 🌐	Referred and Posted ⇕