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Change Request #:	63
Assigned OGC Document #:	10-046
Name:	*Claus Nagel
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Document Name/Version:	*City Geography Markup Language (CityGML) Encoding Standard / 1.0.0
OGC Project Document:	*08-007r1

If this is a revision of a previous submission and you have a Change Request Number, then check here:

Enter the CR number here:

Enter the Revision Number that you are revising here:

Title: ⓘ	*Standard properties for boundary surfaces
Source: ⓘ	*Special Interest Group 3D (SIG 3D)
Work item code: ⓘ	
Category: ⓘ	* B (Addition of feature)

Reason for change: ⓘ	* The current definitions of the feature class bldg:_BoundarySurface and its child classes do not provide a common set of standard properties for boundary surfaces such as "fire rating" or "load bearing" which are feasible in more than one application domain. As for CityGML 1.0, these common properties can only be modeled and exchanged as generic attributes or using the CityGML ADE mechanism.
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Summary of change: ⓘ

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Identify and incorporate common standard properties for boundary surfaces, i.e. on the level of the feature class bldg:_BoundarySurface and/or its child classes. This extension can be realized without breaking backwards compatibility.

Consequences if not approved: ⓘ

If defined as generic attributes or domain-specific ADE, applications not supporting these mechanisms cannot interpret the properties. Furthermore, the same property might be defined in multiple ADEs at the same time. Both contradicts semantic interoperability.

Clauses affected: ⓘ

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10.3, A.3

Additional Documents affected: ⓘ

Supporting Documentation: ⓘ

Comments: ⓘ

Status: ⓘ

Assigned

Disposition: ⓘ

Referred