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Change Request #:	147
Assigned OGC Document #:	11-046
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Document Name/Version:	*GML Application Schema - Coverages / 1.0
OGC Project Document:	*09-146r1
<p>If this is a revision of a previous submission and you have a Change Request Number, then check here: <input type="checkbox"/></p> <p>Enter the CR number here: <input type="text"/></p> <p>Enter the Revision Number that you are revising here: <input type="text"/></p>	
Title:	*Required support for TINs (for interchange or interface)
Source:	*DGIWG Imagery Coordinator + Elevation Surface Model profile working group (D32)
Work item code:	09-146r1
Category:	* <input type="text" value="B (Addition of feature)"/>
Reason for change:	<p>*</p> <ul style="list-style-type: none"> - TINs are not included in present version of the specification and corresponding schema GML Coverage AS 1.0 (and WCS 2.0). It is reminded that 09-146r1 mentions in its chapter 3 – Normative References the conformance classes for both TIN coverage interface and interchange. - TINs are used in ESM Abstract model, based on Topic 6 or ISO 19123 (Coverage) Grid, TIN and point coverages. - DGIWG works intend to use GML Coverage Application Schema for the ESM Application schema for the 2 following key reasons: <ul style="list-style-type: none"> - the GML Coverage Application Schema appears to be the only standardized Application Schema for Coverages (interchange or data access) - it is foreseen that this will favour the use of WCS2.0 service to deliver ESM data (or make their access available).
Summary of change:	<p>*</p> <p>Add TIN in GML Coverage Application Schema (and corresponding conformance class)</p>
Consequences if not approved:	<ul style="list-style-type: none"> - Would encourage DGIWG to develop a specific Application Schema for TIN, thus jeopardizing the harmonization between defense and civil geospatial interoperability for interchange of altimetric data - Consequently would jeopardize the TIN coverage interface and uptake with WCS2.0.

Clauses affected: ⓘ	* Addition of TINCoverage to clause 6 and corresponding conformance test class to A.1
Additional Documents affected: ⓘ	WCS 2.0 will have to include TIN model in its specification
Supporting Documentation: ⓘ	More details on the source / rationale of this CR - Initial source of this requirement is DGIWG D32 working group (Elevation Surface Model) for the military community. However it is anticipated that this requirement should also emerge with civil communities for the interchange and data access (especially when using WCS service) of / to TIN elevation data. - DGIWG profile of WCS (project S16) has also an interest in this CR for the data access to all kind of TIN data. - It is anticipated that several communities of interest should also face the same kind of requirement when trying to implement and use WCS 2.0 in case of TIN coverages.
Comments: ⓘ	
Status: ⓘ	Assigned ⌵
Assigned To: ⓘ	GML 3.3 SWG ⌵
Disposition: ⓘ	Referred and Posted ⌵