

All Fields marked with \* are mandatory.

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| <b>Change Request #:</b>                                                                                                                                                                                                                                                             | 132                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Assigned OGC Document #:</b>                                                                                                                                                                                                                                                      | 11-004                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Name:</b>                                                                                                                                                                                                                                                                         | *Panagiotis (Peter) A. Vretanos                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Organization:</b>                                                                                                                                                                                                                                                                 | *CubeWerx Inc.                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Document Name/Version:</b>                                                                                                                                                                                                                                                        | *Web Feature Service (WFS) Implementation Specification / 2.0                                                                                                                                                                                                                                                                                                                                      |
| <b>OGC Project Document:</b>                                                                                                                                                                                                                                                         | *09-025r1                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>If this is a revision of a previous submission and you have a Change Request Number, then check here:</p> <p><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> |                                                                                                                                                                                                                                                                                                                                                                                                    |
| <hr/>                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Title:</b>                                                                                                                                                                                     | *Add resolution parameters to GetFeatureRequest to support visualization clients                                                                                                                                                                                                                                                                                                                   |
| <b>Source:</b>                                                                                                                                                                                    | *N/A                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Work item code:</b>                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Category:</b>                                                                                                                                                                                  | * <input type="text" value="B (Addition of feature)"/>                                                                                                                                                                                                                                                                                                                                             |
| <hr/>                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reason for change:</b>                                                                                                                                                                         | <p>*</p> <p>Visuallization clients are having a very hard time interacting with WFS's because of the volume of data that can be generated when you are zoomed out too far. Also, geometries may be simplified to remove detail as you zoom out further reducing the size of the output generated. This is a problem even if the WFS output stream is compressed ... which it should always be.</p> |

**Summary of change:** 

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Add three optional parameters to the GetFeature request. The parameters are called resolution, resolutionX and resolutionY. You either specify resolution OR resolutionX/resolutionY. If you specify resolution this implies this means that the resolution in the X and Y directions is that same. Otherwise you can set the X and Y resolution independently. The resolution parameters may be used to generalize geometry suitable for the specified resolution. This means that non-visible segments are removed or it may even mean not displaying anything if you are zoomed too far out.

**Consequences if not approved:** 

The interaction between visualization clients and WFS's will continue to behave badly. For example ... waiting a long time for the WFS to generate a huge GML response document if the client zooms out too far.

**Clauses affected:** 

\*

Clause 11.

**Additional Documents affected:** 

**Supporting Documentation:** 

**Comments:** 

**Status:** 

Assigned 

**Assigned To:** 

WFS RWG 

**Disposition:** 

Referred and Posted 