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Corrigendum for OGC Implementation Standard

Filter Encoding V2.0

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1. Preface

This document is a corrigendum for OGC Document 09-026r1 (Filter Encoding 2.0)

1. Document terms and definitions

This document uses terms defined in Subclause 5.3 of [OGC 05-008]. In particular, the word “shall” (not “must”) is the verb form used to indicate a requirement to be strictly followed to conform to this standard.

1. Document contributor contact points

All questions regarding this document should be directed to the editor or the contributors:

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| --- | --- |
| Name | Organization |
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|  |  |

1. Revision history

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| --- | --- | --- | --- | --- |
| Date | Release | Editor | Primary clauses modified | Description |
| 2011-06-06 | 1 | David Burggraf | All | First draft |
|  |  |  |  |  |

1. Changes to OGC Standards

The previously approved OGC™ Standards also need changes to accommodate the technical contents of this document.

Please notice that “OGC™” and “OpenGIS®” are correct, and that “OGC®” is wrong, in the standard text above, in multiple places on the title page, and in the header of page 1.

Foreword

This document provides the details for a corrigendum for the existing OpenGIS Standard Filter Encoding 2.0 and does not modify that standard. The current OGC standard that this document provides a corrigendum for is 09-026r1.

*Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The Open Geospatial Consortium Inc. shall not be held responsible for identifying any or all such patent rights.*

*Recipients of this document are requested to submit, with their comments, notification of any relevant patent claims or other intellectual property rights of which they may be aware that might be infringed by any implementation of the standard set forth in this document, and to provide supporting documentation.*

Introduction

This document defines the corrigendum change notes for Filter Encoding 2.0. This document was approved by the OGC membership on 2010-11-22. As a result of the Corrigendum process, there were edits and enhancements made to this standard to correct typographic errors, schema errors, or some deficiency that prevented proper use of this standard. This document provides the details of those edits, deficiency corrections, and other corrects. It also documents those items that have been deprecated.

Filter Encoding 2.0

# Scope

This International Standard describes an XML and KVP encoding of a system neutral syntax for expressing projections, selection and sorting clauses collectively called a query expression. It was reported in the OGC FAA SAA Dissemination Pilot initiative in 2011 that the definition of DWithin (09-026r1, clause 7.8.3.3) is ambiguous as currently defined. Subsequent discussions with both the FAA SAA Pilot initiative and with other members of the OGC have addressed the ambiguity and the resulting clarification is the subject of this corrigendum. The clarifying text is believed to be the consensus position at the OGC (and is aligned with the implementations by GeoAPI and Oracle Spatial) and is proposed as an addition to the OGC Filter Encoding standard document (no schema changes are necessary).

# Corrigendum Description

## Replace first sentence in 7.8.3.3 with the following text

The spatial operators DWithin and Beyond shall test whether the value of a geometric property *A* is within or beyond a specified distance *d* of the specified literal geometric value *B*. More specifically:

DWithin(*A*,*B*,*d*) = Distance(*A*,*B*) < *d*

Beyond(*A*,*B*,*d*) = Distance(*A*,*B*) > *d*