# OGC Naming Authority – URI review procedures

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## Role of OGC-NA in OGC process

Many OGC resources are identified by URIs. The OGC Naming Authority supports the TC in maintaining consistency in the assignment and management of persistent URIs for OGC resources through the following activities:

1. developing policy for persistent URIs in [www.opengis.net](http://www.opengis.net/) domain
2. reviewing all proposed URIs in [www.opengis.net](http://www.opengis.net/) domain
3. managing registration and resolution of OGC URIs, in conjunction with OGC Technical Office

## Scope of OGC-NA reviews

An OGC-NA review is required for every OGC document. In most cases this will be a straightforward process, merely checking for syntax and uniqueness. For some URIs additional information is required in order to complete registration. Registration in the OGC URI resolver system follows approval.

**All OGC documents** involve the creation of at least one new persistent URI,

1. **for the document itself**

e.g. the document identifier for OGC Catalogue 2.0.2 is: <http://www.opengis.net/doc/IS/cat/2.0.2>

This is known as the “External identifier of this OGC document” and is provided on the cover page for every OGC document.

Additional URIs are introduced primarily in the context of **OGC standards**, as follows:

1. **the specification as a whole** (this is in addition to the *document* identifier, though it will use the same acronym)

e.g. <http://www.opengis.net/spec/SWE/2.0>

1. specification elements, particularly **requirements classes**, or **conformance classes**, also requirements or conformance tests

e.g. <http://www.opengis.net/spec/SWE/2.0/req/core> (a requirements class)
<http://www.opengis.net/spec/ABC/9.0/req/base/8> (single requirement with automatic label)

1. **concept definitions** and classifiers, if applicable

e.g. <http://www.opengis.net/def/nil/OGC/0/inapplicable>

1. **XML or RDF namespaces**, if applicable

e.g. <http://www.opengis.net/om/2.0>
<http://www.opengis.net/ont/geosparql>

## Submission guidelines

Summarize the URIs proposed in your document and provide them for OGC-NA review, by posting to the OGC-NA Submissions folder on the OGC Portal <https://portal.opengeospatial.org/?m=projects&a=view&project_id=276&tab=2&artifact_id=31418> where examples of previous submissions can be seen.

There are two classes of URIs, which require different artefacts to be provided to the OGC-NA:

* 1. **Definition URIs**

For each concept or classifier identified by a ‘Definition URI’, prepare an RDF description of the concept. The following example may be used as a template:

<http://www.opengis.net/def/**observationType/OGC-OM/2.0/OM\_Measurement**>

 rdf:type skos:Concept ;

 skos:inScheme <http://www.opengis.net/def> ;

 dct:created "**2010-03-23**" ;

 dc:description "**Observation whose result is a scaled number or Measure.** "@en ;

 skos:definition "**Observation whose result is a scaled number or Measure.** "@en ;

 dc:source "**OGC 10-026 (ISO DIS 19156) Clause 7.2.2**"^^xsd:string ;

 rdfs:seeAlso <**http://www.opengis.net/doc/AS/om#clause-7.2.2**> ;

 rdfs:label "**Measurement**"@en ;

 skos:prefLabel "**Measurement**"@en , “**Mesure**”@**fr** .

This example uses the Turtle syntax, which is the easiest RDF syntax to use in a basic text editor. Replace all the text shown in **bold**. If you are familiar with RDF or use an RDF editor to prepare the definition, RDF/XML syntax is an acceptable alternative.

Bundle the RDF descriptions into a single RDF document or in a zip file. Post this in the OGC-NA Submissions folder <https://portal.opengeospatial.org/?m=projects&a=view&project_id=276&tab=2&artifact_id=31418> .

* 1. **Specification and document URIs**

For all other proposed URIs, prepare a table or spreadsheet listing

1. the proposed acronym to be used in document and specification URI (e.g. WMS, OMXML)
2. new XML Namespace URIs (e.g. <http://www.opengis.net/gml/3.3> )
3. shortnames for all requirements classes, and conformance classes, *each one mapped to the document-element* (sub-clause, table or figure) *in which it is defined.*
4. (optional) Numbers or shortnames for all requirements and conformance tests, *each one mapped to the document-element* (sub-clause, table or figure) *in which it is defined.*

### References

OGC-NA Policies and Procedures <http://www.opengis.net/doc/ogc-na-policies>

Definition URIs (part 1) <http://www.opengis.net/doc/def-names-1>

Document URIs <http://www.opengis.net/doc/doc-names>

Specification element URIs <http://www.opengis.net/doc/spec-names>

XML Namespace URIs <http://www.opengis.net/doc/standards-policies#clause-13.3>

RDF Namespace or Ontology URIs <http://www.opengis.net/doc/ontology-names>