

Naming of OGC API Standards, Repositories & Specification Elements

Open Geospatial Consortium

Submission Date: YYYY-MM-DD

Approval Date: YYYY-MM-DD

Publication Date: YYYY-MM-DD

External identifier of this OGC® document: <http://www.opengis.net/doc/ZZZ/API-1/n.n>

Internal reference number of this OGC® document: YY-NNNrN

Version: n.n

Category: OGC® Policy

Editor: Gobe Hobona

Naming of OGC API Standards, Repositories & Specification Elements

Copyright notice

Copyright © 2020 Open Geospatial Consortium

To obtain additional rights of use, visit <http://www.opengeospatial.org/legal/>

Warning

This document defines a **draft** OGC Policy. It is subject to change without notice. This document is **not** an official position of the OGC membership on this particular topic.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Document type: OGC® Policy

Document subtype: Name Type Spec

Document stage: Draft

Document language: English

License Agreement

Permission is hereby granted by the Open Geospatial Consortium, ("Licensor"), free of charge and subject to the terms set forth below, to any person obtaining a copy of this Intellectual Property and any associated documentation, to deal in the Intellectual Property without restriction (except as set forth below), including without limitation the rights to implement, use, copy, modify, merge, publish, distribute, and/or sublicense copies of the Intellectual Property, and to permit persons to whom the Intellectual Property is furnished to do so, provided that all copyright notices on the intellectual property are retained intact and that each person to whom the Intellectual Property is furnished agrees to the terms of this Agreement.

If you modify the Intellectual Property, all copies of the modified Intellectual Property must include, in addition to the above copyright notice, a notice that the Intellectual Property includes modifications that have not been approved or adopted by LICENSOR.

THIS LICENSE IS A COPYRIGHT LICENSE ONLY, AND DOES NOT CONVEY ANY RIGHTS UNDER ANY PATENTS THAT MAY BE IN FORCE ANYWHERE IN THE WORLD.

THE INTELLECTUAL PROPERTY IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE DO NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE INTELLECTUAL PROPERTY WILL MEET YOUR REQUIREMENTS OR THAT THE OPERATION OF THE INTELLECTUAL PROPERTY WILL BE UNINTERRUPTED OR ERROR FREE. ANY USE OF THE INTELLECTUAL PROPERTY SHALL BE MADE ENTIRELY AT THE USER'S OWN RISK. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR ANY CONTRIBUTOR OF INTELLECTUAL PROPERTY RIGHTS TO THE INTELLECTUAL PROPERTY BE LIABLE FOR ANY CLAIM, OR ANY DIRECT, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM ANY ALLEGED INFRINGEMENT OR ANY LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR UNDER ANY OTHER LEGAL THEORY, ARISING OUT OF OR IN CONNECTION WITH THE IMPLEMENTATION, USE, COMMERCIALIZATION OR PERFORMANCE OF THIS INTELLECTUAL PROPERTY.

This license is effective until terminated. You may terminate it at any time by destroying the Intellectual Property together with all copies in any form. The license will also terminate if you fail to comply with any term or condition of this Agreement. Except as provided in the following sentence, no such termination of this license shall require the termination of any third party end-user sublicense to the Intellectual Property which is in force as of the date of notice of such termination. In addition, should the Intellectual Property, or the operation of the Intellectual Property, infringe, or in LICENSOR's sole opinion be likely to infringe, any patent, copyright, trademark or other right of a third party, you agree that LICENSOR, in its sole discretion, may terminate this license without any compensation or liability to you, your licensees or any other party. You agree upon termination of any kind to destroy or cause to be destroyed the Intellectual Property together with all copies in any form, whether held by you or by any third party.

Except as contained in this notice, the name of LICENSOR or of any other holder of a copyright in all or part of the Intellectual Property shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Intellectual Property without prior written authorization of LICENSOR or such copyright holder. LICENSOR is and shall at all times be the sole entity that may authorize you or any third party to use certification marks, trademarks or other special designations to indicate compliance with any LICENSOR standards or specifications. This Agreement is governed by the laws of the Commonwealth of Massachusetts. The application to this Agreement of the United Nations Convention on Contracts for the International Sale of Goods is hereby expressly excluded. In the event any provision of this Agreement shall be deemed unenforceable, void or invalid, such provision shall be modified so as to make it valid and enforceable, and as so modified the entire Agreement shall remain in full force and effect. No decision, action or inaction by LICENSOR shall be construed to be a waiver of any rights or remedies available to it.

Table of Contents

1. Scope	5
2. Conformance	6
3. References	7
4. Terms and Definitions	8
4.1. Concept	8
4.2. control body	8
4.3. register	8
5. Conventions	9
6. Naming of OGC API Standards, Repositories & Specification Elements	10
6.1. Introduction	10
6.2. Repositories	10
6.3. Standards	10
6.4. Requirements Classes	10
6.5. Requirements	11
6.6. Conformance Classes	11
6.7. Abstract Tests	11
Annex A: Revision History	12

i. Abstract

This document is a **draft** policy of the OGC Naming Authority (OGC-NA), a sub-committee of the OGC Technical Committee. The document presents a series of policy requirements for OGC API standards, repositories and specification elements. The policy document is intended to be a specialisation of the OGC-NA [policy](#) on naming specification elements (OGC 10-103).

Upon approval of this policy, OGC staff shall proceed to change the names of the Git repositories to conform to the policy.

ii. Keywords

The following are keywords to be used by search engines and document catalogues.

ogcdoc, OGC document, policy, naming authority, OGC API

iii. Preface

This document presents a series of policy requirements for OGC API standards, repositories and specification elements. It is subject to change without notice.

iv. Submitting organizations

The following organizations submitted this Document to the Open Geospatial Consortium (OGC):

Organization name(s)

v. Submitters

All questions regarding this submission should be directed to the editor or the submitters:

Table 1. Contacts

Name	Affiliation
Gobe Hobona	OGC

Chapter 1. Scope

This policy document applies to OGC API standards, repositories, and specification elements.

Chapter 2. Conformance

This policy defines part 1 of the OGC name-type specification for definitions.

Conformance with this policy shall be checked using the naming rule and naming assignment policy defined in this document.

Chapter 3. References

IETF: RFC 2141 URN Syntax, <http://tools.ietf.org/html/rfc2141> (1997)

IETF: RFC 2616 Hypertext Transfer Protocol — HTTP/1.1, <http://tools.ietf.org/html/rfc2616> (1999)

IETF: RFC 3986 Uniform Resource Identifier (URI): Generic Syntax, <http://tools.ietf.org/html/rfc3986> (2005)

IETF: RFC 4395 Guidelines and Registration Procedures for New URI Schemes, <http://tools.ietf.org/html/rfc4395> (2006)

IETF: RFC 5141 A Uniform Resource Name (URN) Namespace for the International Organization for Standardization (ISO), <http://tools.ietf.org/html/rfc5141> (2008)

IETF: RFC 5165 A Uniform Resource Name (URN) Namespace for the Open Geospatial Consortium (OGC), <http://tools.ietf.org/html/rfc5165> (2008)

IETF: RFC 5234 Augmented BNF for Syntax Specifications: ABNF, <http://tools.ietf.org/html/rfc5234> (2008)

ISO: ISO 1087-1:2000 Terminology work — Vocabulary — Part 1: Theory and application, <https://www.iso.org/obp/ui/#iso:std:iso:1087:-1:ed-1:v1:en>

OGC: OGC 05-020r25, Technical Committee Policies and Procedures, <http://docs.opengeospatial.org/pol/05-020r25/05-020r25.html> (2017)

OGC: OGC 09-046r5, OGC Naming Authority – Procedures, <http://www.opengeospatial.org/standards/na> (2018)

Chapter 4. Terms and Definitions

This document uses the terms defined in Sub-clause 5.3 of [OGC 06-121r8], which is based on the ISO/IEC Directives, Part 2, Rules for the structure and drafting of International Standards. 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.

For the purposes of this document, the following additional terms and definitions apply.

4.1. Concept

unit of knowledge created by a unique combination of characteristics (source: ISO 1087-1:2000)

4.2. control body

group of technical experts that makes decisions regarding the content of a register (source: ISO 19135)

4.3. register

set of files containing identifiers assigned to items with descriptions of the associated items (source: ISO 19135)

Chapter 5. Conventions

This document uses the normative terms (SHALL, SHOULD, etc) defined in Subclause 5.3 of [OGC 06-121r3], which is based on the ISO/IEC Directives, Part 2: Rules for the structure and drafting of International Standards. In particular, the word 'shall' (not 'must') is the verb form used to indicate a requirement to be strictly followed to comply with this specification.

Name production rules in this document are expressed using ABNF (IETF RFC 5324).

Chapter 6. Naming of OGC API Standards, Repositories & Specification Elements

6.1. Introduction

This document is a **draft** policy of the OGC Naming Authority (OGC-NA), a sub-committee of the OGC Technical Committee. The document presents a series of policy requirements for OGC API standards, repositories and specification elements. The policy document is intended to be a specialisation of the OGC-NA [policy](#) on naming specification elements (OGC 10-103).

Upon approval of this policy, OGC staff shall proceed to change the names of the Git repositories to conform to the policy.

6.2. Repositories

This policy document acknowledges that SWGs will create one or more Git repositories on GitHub, Gitlab or other service. To ensure consistency in the naming of Git repositories, SWGs shall be required to name the repositories as follows:

- <https://github.com/opengeospatial/ogcapi-{resourceName}>

The parameter {resourceName} shall be the plural of the name of the type of resource. For example, <https://github.com/opengeospatial/ogcapi-features>

6.3. Standards

Many of the emerging and existing OGC API standards are multi-part standards. This policy document acknowledges that the SWGs will have to plan to accomodate future extensions into their naming of standards. To ensure consistency in the naming of standards and their extensions, SWGs shall be required to name the standards as follows:

- OGC API - {resourceName} - Part n: {Topic}

The parameter {resourceName} shall be the plural of the name of the type of resource. 'n' refers to the position of the document in the multi-part standard and shall always be greater than zero. {Topic} refers to the topic or theme of the standard. For example, OGC API - Common - Part 1: Core

The first in the sequence of parts shall always be reserved for the 'Core' standard and therefore Part 1 is reserved for the 'Core' standard.

6.4. Requirements Classes

The base namespace of Requirements Classes shall indicate the Part number {n} and Version number {v} of the standard as follows.

- <http://www.opengis.net/spec/ogcapi-{resourceName}-{n}/{v}/req/>

For example, <http://www.opengis.net/spec/ogcapi-processes-1/1.0/req/>

6.5. Requirements

The base namespace of Requirements shall indicate the Part number {n} and Version number {v} of the standard as follows.

- <http://www.opengis.net/spec/ogcapi-{resourceName}-{n}/{v}/req/>

For example, <http://www.opengis.net/spec/ogcapi-tiles-1/1.0/req/>

6.6. Conformance Classes

The base namespace of Conformance Classes shall indicate the Part number {n} and Version number {v} of the standard as follows.

- <http://www.opengis.net/spec/ogcapi-{resourceName}-{n}/{v}/conf/>

For example, <http://www.opengis.net/spec/ogcapi-coverages-1/1.0/conf/>

6.7. Abstract Tests

The base namespace of Abstract Tests shall indicate the Part number {n} and Version number {v} of the standard as follows.

- <http://www.opengis.net/spec/ogcapi-{resourceName}-{n}/{v}/ats/>

For example, <http://www.opengis.net/spec/ogcapi-features-1/1.0/ats/>

Annex A: Revision History

Date	Release	Editor	Primary clauses modified	Description
2020-06-03	0.1	Gobe Hobona	all	Initial text