



OSLC Quality Management 2.1. Part 2: Vocabulary

Project Specification Draft 02

14 November 2019

This stage:

<https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/psd02/quality-management-vocab.html> (Authoritative)
<https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/psd02/quality-management-vocab.pdf>

Previous stage:

<https://raw.githubusercontent.com/oasis-tcs/oslc-domains/master/qm/quality-management-vocab.html> (Authoritative)
<https://raw.githubusercontent.com/oasis-tcs/oslc-domains/master/qm/quality-management-vocab.pdf>
(published as Working Draft on 18 January 2019)

Latest stage:

<https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/quality-management-vocab.html> (Authoritative)
<https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/quality-management-vocab.pdf>

Latest version:

<https://open-services.net/spec/qm/latest>

Latest editor's draft:

<https://open-services.net/spec/qm/latest-draft>

Open Project:

[OASIS Open Services for Lifecycle Collaboration \(OSLC\) OP](#)

Project Chairs:

Jim Amsden (jamsden@us.ibm.com), [IBM](#)
Andrii Berezovskyi (andriib@kth.se), [KTH](#)

Editors:

Jim Amsden (jamsden@us.ibm.com), [IBM](#)
Gray Bachelor (gray_bachelor@uk.ibm.com), [IBM](#)

Additional components:

This specification is one component of a Work Product that also includes:

- *OSLC Quality Management 2.1. Part 1: Specification.* [quality-management-spec.html](#)
- *OSLC Quality Management 2.1. Part 2: Vocabulary (this document).* [quality-management-vocab.html](#)

Related work:

This specification is related to:

- *Open Services for Lifecycle Collaboration Quality Management Specification Version 2.0.* <https://archive.open-services.net/bin/view/Main/QmSpecificationV2>

RDF Namespaces:

<http://open-services.net/ns/qm#>

Abstract:

This specification defines a vocabulary and resource shapes for the OSLC Quality Management domain.

Status:

This document was last revised or approved by the [OASIS Open Services for Lifecycle Collaboration \(OSLC\) OP](#) on the above date. The level of approval is also listed above. Check the "Latest stage" location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Open Project are listed at <https://open-services.net/about/>.

Standards Track Work Product

Comments on this work can be provided by opening issues in the project repository or by sending email to the project's public comment list oslc-op@lists.oasis-open-projects.org.

Note that any machine-readable content ([Computer Language Definitions](#)) declared Normative for this Work Product is provided in separate plain text files. In the event of a discrepancy between any such plain text file and display content in the Work Product's prose narrative document(s), the content in the separate plain text file prevails.

Citation format:

When referencing this specification the following citation format should be used:

[OSLC-qm-2.1-Part2]

OSLC *Quality Management 2.1. Part 2: Vocabulary*. Edited by Jim Amsden and Gray Bachelor. 14 November 2019. OASIS Project Specification Draft 02.

<https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/psd02/quality-management-vocab.html>. Latest stage: <https://docs.oasis-open-projects.org/oslc-op/qm/v2.1/quality-management-vocab.html>.

Notices

Copyright © OASIS Open 2019. All Rights Reserved.

All capitalized terms in the following text have the meanings assigned to them in the OASIS Intellectual Property Rights Policy (the "OASIS IPR Policy"). The full [Policy](#) may be found at the OASIS website.

This specification is published under the [Attribution 4.0 International \(CC BY 4.0\)](#). Portions of this specification are also provided under the [Apache License 2.0](#).

All contributions made to this project have been made under the [OASIS Contributor License Agreement \(CLA\)](#).

For information on whether any patents have been disclosed that may be essential to implementing this specification, and any offers of patent licensing terms, please refer to the [Open Projects IPR Statements page](#).

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published, and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this section are included on all such copies and derivative works. However, this document itself may not be modified in any way, including by removing the copyright notice or references to OASIS, except as needed for the purpose of developing any document or deliverable produced by an OASIS Open Project or OASIS Technical Committee (in which case the rules applicable to copyrights, as set forth in the OASIS IPR Policy, must be followed) or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by OASIS or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and OASIS DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

OASIS requests that any OASIS Party or any other party that believes it has patent claims that would necessarily be infringed by implementations of this OASIS Project Specification or OASIS Standard, to notify the OASIS TC Administrator and provide an indication of its willingness to grant patent licenses to such patent claims in a manner consistent with the IPR Mode of the OASIS Technical Committee that produced this specification.

OASIS invites any party to contact the OASIS TC Administrator if it is aware of a claim of ownership of any patent claims that would necessarily be infringed by implementations of this specification by a patent holder that is not willing to provide a license to such patent claims in a manner consistent with the IPR Mode of the OASIS Open Project that produced this specification. OASIS may include such claims on its website, but disclaims any obligation to do so.

OASIS takes no position regarding the validity or scope of any intellectual property or other rights that might be claimed to pertain to the implementation or use of the technology described in this document or the extent to which any license under such rights might or might not be available; neither does it represent that it has made any effort to identify any such rights. Information on OASIS' procedures with respect to rights in any document or deliverable produced by an OASIS Technical Committee can be found on the OASIS website. Copies of claims of rights made available for publication and any assurances of licenses to be made available, or the result of an attempt made to obtain a general license or permission for the use of such proprietary rights by implementers or users of this OASIS Open Project Specification or OASIS Standard, can be obtained from the OASIS TC Administrator. OASIS makes no representation that any information or list of intellectual property rights will at any time be complete, or that any claims in such list are, in fact, Essential Claims.

The name "OASIS" is a trademark of [OASIS](#), the owner and developer of this specification, and should be used only to refer to the organization and its official outputs. OASIS welcomes reference to, and implementation and use of, specifications, while reserving the right to enforce its marks against misleading uses. Please see <https://www.oasis-open.org/policies-guidelines/trademark> for above guidance.

Table of Contents

- 1. [Introduction](#)
 - 1.1 [Overview](#)
 - 1.2 [Terminology](#)
 - 1.3 [References](#)
 - 1.4 [Typographical Conventions and Use of RFC Terms](#)
- 2. [Quality Management Vocabulary Terms](#)
 - 2.1 [Vocabulary Details](#)
- 3. [Quality Management Resource Constraints](#)
 - 3.1 [Resource: TestPlan](#)
 - 3.2 [Resource: TestScript](#)
 - 3.3 [Resource: TestCase](#)
 - 3.4 [Resource: TestResult](#)
 - 3.5 [Resource: TestExecutionRecord](#)
- Appendix A. [Change History](#)

1. Introduction

1.1 Overview

This section is non-normative.

This specification defines a vocabulary and resource shapes for OSLC Quality Management resources. The intent is to define resources needed to support common integration scenarios and not to provide a comprehensive definition of quality management artefacts. The resource formats may not match exactly the native models supported by quality management service providers, but are intended to be compatible with them. The approach to supporting these scenarios is to delegate operations, as driven by service provider contributed user interfaces, as much as possible and not require a service provider to expose its complete data model and application logic.

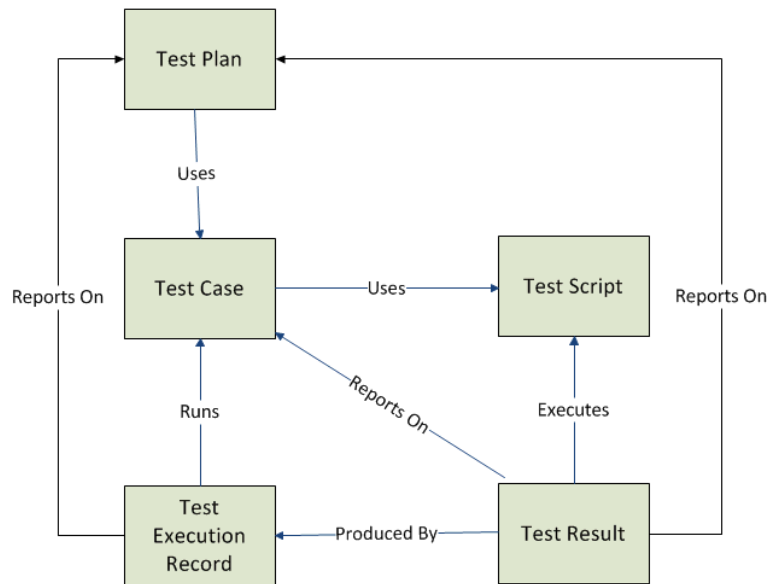


Fig. 1 OSLC Quality Management 2.1 resource relationship overview

1.2 Terminology

Terminology is based on OSLC Core Overview [OSLCCore3], W3C Linked Data Platform [LDP], W3C's Architecture of the World Wide Web [WEBARCH], Hyper-text Transfer Protocol [HTTP11].

1.3 References

1.3.1 Normative references

[HTTP11]

R. Fielding, Ed.; J. Reschke, Ed.. *Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing*. June 2014. Proposed Standard. URL: <https://httpwg.org/specs/rfc7230.html>

[LDP]

Steve Speicher; John Arwe; Ashok Malhotra. *Linked Data Platform 1.0*. 26 February 2015. W3C Recommendation. URL: <https://www.w3.org/TR/ldp/>

[OSLCCore3]

Steve Speicher; Jim Amsden. *OSLC Core Overview v3.0*. Committee Specification Public Review Draft. URL: <https://docs.oasis-open.org/oslc-core/oslc-core/v3.0/csprd03/part1-overview/oslc-core-v3.0-csprd03-part1-overview.html>

[RFC2119]

S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. March 1997. Best Current Practice. URL: <https://tools.ietf.org/html/rfc2119>

1.3.2 Informative references

[OSLCCM]

Steve Speicher. *Open Services for Lifecycle Collaboration Change Management Specification Version 2.0*. Final. URL: <https://archive.open-services.net/bin/view/Main/CmSpecificationV2>

[OSLCRM]

Standards Track Work Product

Ian Green. *Open Services for Lifecycle Collaboration Requirements Management Specification Version 2.0*. Final. URL: <https://archive.open-services.net/bin/view/Main/RmSpecificationV2>

[WEBARCH]

Ian Jacobs; Norman Walsh. *Architecture of the World Wide Web, Volume One*. 15 December 2004. W3C Recommendation. URL: <https://www.w3.org/TR/webarch/>

1.4 Typographical Conventions and Use of RFC Terms

As well as sections marked as non-normative, all authoring guidelines, diagrams, examples, and notes in this specification are non-normative. Everything else in this specification is normative.

The key words **MUST**, **MUST NOT**, **REQUIRED**, **SHOULD**, **SHOULD NOT**, **RECOMMENDED**, **MAY**, and **OPTIONAL** in this specification are to be interpreted as described in [RFC2119].

In addition to the namespace URIs and namespace prefixes `oslc`, `rdf`, `dcterms` and `foaf` defined in the [OSLC Core specification](#), OSLC qm defines the namespace URI of `http://open-services.net/ns/qm#` with a namespace prefix of `oslc_qm`

This specification also uses these namespace prefix definitions:

- `oslc_cm` : `http://open-services.net/ns/cm#` [OSLCCM]
- `oslc_rm` : `http://open-services.net/ns/rm#` [OSLCRM]

2. Quality Management Vocabulary Terms

This specification defines the **root** superclass, and a number of specific, commonly occurring subclasses, properties and values. Servers may define additional **root** subclasses and provide additional properties as needed.

2.1 Vocabulary Details

The namespace URI for this vocabulary is: <http://open-services.net/ns/qm#>

All vocabulary URIs defined in the OSLC Quality Management (QM) namespace.

See Also:

- <http://open-services.net/ns/qm/qm.rdf>

2.1.1 Classes in this namespace (5)

[TestCase](#), [TestExecutionRecord](#), [TestPlan](#), [TestResult](#), [TestScript](#)

TestCase

<http://open-services.net/ns/qm#TestCase>

TestCase is an RDFS class.

The QM Test Case resource.

TestExecutionRecord

<http://open-services.net/ns/qm#TestExecutionRecord>

TestExecutionRecord is an RDFS class.

The QM Test Execution Record resource.

TestPlan

<http://open-services.net/ns/qm#TestPlan>

TestPlan is an RDFS class.

The QM Test Plan resource.

TestResult

<http://open-services.net/ns/qm#TestResult>

TestResult is an RDFS class.

The QM Test Result resource.

TestScript

<http://open-services.net/ns/qm#TestScript>

TestScript is an RDFS class.

The QM Test Script resource.

2.1.2 Properties in this namespace (15)

[affectedByChangeRequest](#), [blockedByChangeRequest](#), [executesTestScript](#), [executionInstructions](#), [producedByTestExecutionRecord](#), [relatedChangeRequest](#), [reportsOnTestCase](#), [reportsOnTestPlan](#), [runsOnTestEnvironment](#), [runsTestCase](#), [testsChangeRequest](#), [usesTestCase](#), [usesTestScript](#), [validatesRequirement](#), [validatesRequirementCollection](#)

affectedByChangeRequest

<http://open-services.net/ns/qm#affectedByChangeRequest>

affectedByChangeRequest is an RDF property.

Change request that affects the Test Result. It is likely that the target resource will be an `oslc_cm:ChangeRequest` but that is not necessarily the case.

blockedByChangeRequest

Standards Track Work Product

<http://open-services.net/ns/qm#blockedByChangeRequest>

blockedByChangeRequest is an RDF property.

Change Request that prevents execution of the Test Execution Record. It is likely that the target resource will be an `oslc_cm:ChangeRequest` but that is not necessarily the case.

executesTestScript

<http://open-services.net/ns/qm#executesTestScript>

executesTestScript is an RDF property.

Test Script executed to produce the Test Result. It is likely that the target resource will be an `oslc_qm:TestScript` but that is not necessarily the case.

executionInstructions

<http://open-services.net/ns/qm#executionInstructions>

executionInstructions is an RDF property.

Instructions for executing the test script. Note that the value of Occurs is undefined. The resource shape document provided by the QM service provider may be consulted for its value.

producedByTestExecutionRecord

<http://open-services.net/ns/qm#producedByTestExecutionRecord>

producedByTestExecutionRecord is an RDF property.

Test Execution Record that the Test Result was produced by. It is likely that the target resource will be an `oslc_qm:TestExecutionRecord` but that is not necessarily the case.

relatedChangeRequest

<http://open-services.net/ns/qm#relatedChangeRequest>

relatedChangeRequest is an RDF property.

A related change request. It is likely that the target resource will be an `oslc_cm:ChangeRequest` but that is not necessarily the case.

reportsOnTestCase

<http://open-services.net/ns/qm#reportsOnTestCase>

reportsOnTestCase is an RDF property.

Test Case that the Test Result reports on. It is likely that the target resource will be an `oslc_qm:TestCase` but that is not necessarily the case.

reportsOnTestPlan

<http://open-services.net/ns/qm#reportsOnTestPlan>

reportsOnTestPlan is an RDF property.

Test Plan that a test or execution record reports on. It is likely that the target resource will be an `oslc_qm:TestPlan` but that is not necessarily the case.

runsOnTestEnvironment

<http://open-services.net/ns/qm#runsOnTestEnvironment>

runsOnTestEnvironment is an RDF property.

Indicates the environment details of the test case for this execution record.

runsTestCase

<http://open-services.net/ns/qm#runsTestCase>

runsTestCase is an RDF property.

Test Case run by the Test Execution Record. It is likely that the target resource will be an `oslc_qm:TestCase` but that is not necessarily the case.

testsChangeRequest

<http://open-services.net/ns/qm#testsChangeRequest>

testsChangeRequest is an RDF property.

Standards Track Work Product

Change Request tested by the Test Case. It is likely that the target resource will be an `oslc_cm:ChangeRequest` but that is not necessarily the case.

usesTestCase

`http://open-services.net/ns/qm#usesTestCase`

usesTestCase is an RDF property.

Test Case used by the Test Plan. It is likely that the target resource will be an `oslc_qm:TestCase` but that is not necessarily the case.

usesTestScript

`http://open-services.net/ns/qm#usesTestScript`

usesTestScript is an RDF property.

Test Script used by the Test Case. It is likely that the target resource will be an `oslc_qm:TestScript` but that is not necessarily the case.

validatesRequirement

`http://open-services.net/ns/qm#validatesRequirement`

validatesRequirement is an RDF property.

Requirement that is validated by the Test Case. It is likely that the target resource will be an `oslc_rm:Requirement` but that is not necessarily the case.

validatesRequirementCollection

`http://open-services.net/ns/qm#validatesRequirementCollection`

validatesRequirementCollection is an RDF property.

Requirement Collection that is validated by the Test Plan. It is likely that the target resource will be an `oslc_rm:RequirementCollection` but that is not necessarily the case.

3. Quality Management Resource Constraints

3.1 Resource: TestPlan

Test Plan...

- **Name:** `TestPlan`
- **Type URI:** `http://open-services.net/ns/qm#TestPlan`
- **Summary:** QM Test Plan
- **Description:** Defines the overall process and strategy for testing a system.

TestPlan Properties

Prefix Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>acp:accessControl</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Access Control point resource for the test artifact.
<code>dcterms:contributor</code>	Zero-or-many	false	AnyResource	Either	<code>foaf:Person</code>	Contributor or contributors to resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:created</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
<code>dcterms:creator</code>	Zero-or-many	true	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	false	XMLLiteral	N/A	Unspecified	Descriptive text (reference: Dublin Core) about resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.
<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
<code>dcterms:modified</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
<code>dcterms:relation</code>	Zero-or-many	true	Resource	Reference	Unspecified	Related resource or resources to the resource.
<code>dcterms:title</code>	Exactly-one	false	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) of the resource represented as rich text in XHTML content. SHOULD include only content that is valid inside an XHTML element.
<code>oslc_acc:accessContext</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Project level Access Context resource for the test artifact.
<code>oslc_qm:relatedChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	A related change request. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:runsOnTestEnvironment</code>	Zero-or-many	false	Resource	Reference	<code>oslc_qm:TestExecutionRecord</code>	The test environment that the Test Plan will be run on.

Standards Track Work Product

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_qm:usesTestCase</code>	Zero-or-many	false	Resource	Either	<code>oslc_qm:TestCase</code>	Test Case used by the Test Plan. It is likely that the target resource will be an <code>oslc_qm:TestCase</code> but that is not necessarily the case.
<code>oslc_qm:validatesRequirementCollection</code>	Zero-or-many	false	Resource	Reference	<code>oslc_rm:RequirementCollection</code>	Requirement Collection that is validated by the Test Plan. It is likely that the target resource will be an <code>oslc_rm:RequirementCollection</code> but that is not necessarily the case.
<code>oslc:instanceShape</code>	Zero-or-one	true	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.
<code>oslc:serviceProvider</code>	Zero-or-many	true	Resource	Reference	<code>oslc:ServiceProvider</code>	The scope of a resource is a link to the resource's OSLC Service Provider.
<code>oslc:shortId</code>	Exactly-one	true	integer	N/A	Unspecified	A short identifier for the resource. Typically the integer shown in the web UI.
<code>rdf:type</code>	Zero-or-many	true	Resource	Reference	<code>oslc_qm:TestPlan</code>	The resource type URIs.

3.2 Resource: TestScript

Test Script..

- **Name:** `TestScript`
- **Type URI:** `http://open-services.net/ns/qm#TestScript`
- **Summary:** QM Test Script
- **Description:** Defines a program or list of steps used to conduct a test.

TestScript Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>acp:accessControl</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Access Control point resource for the test artifact.
<code>dcterms:contributor</code>	Zero-or-many	false	AnyResource	Either	<code>foaf:Person</code>	Contributor or contributors to resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:created</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
<code>dcterms:creator</code>	Zero-or-many	true	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	false	XMLLiteral	N/A	Unspecified	Descriptive text (reference: Dublin Core) about resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.
<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
<code>dcterms:modified</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
<code>dcterms:relation</code>	Zero-or-many	true	Resource	Reference	Unspecified	Related resource or resources to the resource.
<code>dcterms:title</code>	Exactly-one	false	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) of the resource represented as rich text in XHTML content. SHOULD include only content that is valid inside an XHTML element.
<code>oslc_acc:accessContext</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Project level Access Context resource for the test artifact.

Standards Track Work Product

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_qm:executionInstructions</code>	Zero-or-many	true	Resource	Reference	Unspecified	Instructions for executing the test script. Note that the value of Occurs is undefined. The resource shape document provided by the QM service provider may be consulted for its value.
<code>oslc_qm:relatedChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	A related change request. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:validatesRequirement</code>	Zero-or-many	false	Resource	Reference	<code>oslc_rm:Requirement</code>	Requirement that is validated by the Test Script. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc:instanceShape</code>	Zero-or-one	true	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.
<code>oslc:serviceProvider</code>	Zero-or-many	true	Resource	Reference	<code>oslc:ServiceProvider</code>	The scope of a resource is a link to the resource's OSLC Service Provider.
<code>oslc:shortId</code>	Exactly-one	true	integer	N/A	Unspecified	A short identifier for the resource. Typically the integer shown in the web UI.
<code>rdf:type</code>	Zero-or-many	true	Resource	Reference	<code>oslc_qm:TestScript</code>	The resource type URIs.

3.3 Resource: TestCase

Test Case...

- **Name:** `TestCase`
- **Type URI:** `http://open-services.net/ns/qm#TestCase`
- **Summary:** QM Test Case
- **Description:** Defines the criteria which determine whether a system exhibits the correct behavior under a specific set of circumstances.

TestCase Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>acp:accessControl</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Access Control point resource for the test artifact.
<code>dcterms:contributor</code>	Zero-or-many	false	AnyResource	Either	<code>foaf:Person</code>	Contributor or contributors to resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:created</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
<code>dcterms:creator</code>	Zero-or-many	true	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	false	XMLLiteral	N/A	Unspecified	Descriptive text (reference: Dublin Core) about resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.
<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
<code>dcterms:modified</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
<code>dcterms:relation</code>	Zero-or-many	true	Resource	Reference	Unspecified	Related resource or resources to the resource.
<code>dcterms:title</code>	Exactly-one	false	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) of the resource represented as rich text in XHTML content. SHOULD include only content that is valid inside an XHTML element.
<code>oslc_acc:accessContext</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Project level Access Context resource for the test artifact.

Standards Track Work Product

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_qm:relatedChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	A related change request. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:testsChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	Change Request tested by the Test Case. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:usesTestScript</code>	Zero-or-many	false	Resource	Either	<code>oslc_qm:TestScript</code>	Test Script used by the Test Case. It is likely that the target resource will be an <code>oslc_qm:TestScript</code> but that is not necessarily the case.
<code>oslc_qm:validatesRequirement</code>	Zero-or-many	false	Resource	Reference	<code>oslc_rm:Requirement</code>	Requirement that is validated by the Test Case. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc:instanceShape</code>	Zero-or-one	true	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.
<code>oslc:serviceProvider</code>	Zero-or-many	true	Resource	Reference	<code>oslc:ServiceProvider</code>	The scope of a resource is a link to the resource's OSLC Service Provider.
<code>oslc:shortId</code>	Exactly-one	true	integer	N/A	Unspecified	A short identifier for the resource. Typically the integer shown in the web UI.
<code>rdf:type</code>	Zero-or-many	true	Resource	Reference	<code>oslc_qm:TestCase</code>	The resource type URIs.

3.4 Resource: TestResult

Test Result...

- **Name:** `TestResult`
- **Type URI:** `http://open-services.net/ns/qm#TestResult`
- **Summary:** QM Test Result
- **Description:** Describes the outcome of attempting to execute a test.

TestResult Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>acp:accessControl</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Access Control point resource for the test artifact.
<code>dcterms:contributor</code>	Zero-or-many	false	AnyResource	Either	<code>foaf:Person</code>	Contributor or contributors to resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:created</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
<code>dcterms:creator</code>	Zero-or-many	true	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
<code>dcterms:modified</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
<code>dcterms:relation</code>	Zero-or-many	true	Resource	Reference	Unspecified	Related resource or resources to the resource.

Standards Track Work Product

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:title</code>	Exactly-one	false	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) of the resource represented as rich text in XHTML content. SHOULD include only content that is valid inside an XHTML element.
<code>oslc_acc:accessContext</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Project level Access Context resource for the test artifact.
<code>oslc_qm:affectedByChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	Change request that affects the Test Result. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:executesTestScript</code>	Zero-or-one	false	Resource	Either	<code>oslc_qm:TestScript</code>	Test Script executed to produce the Test Result. It is likely that the target resource will be an <code>oslc_qm:TestScript</code> but that is not necessarily the case.
<code>oslc_qm:producedByTestExecutionRecord</code>	Zero-or-one	false	Resource	Either	<code>oslc_qm:TestExecutionRecord</code>	Test Execution Record that the Test Result was produced by. It is likely that the target resource will be an <code>oslc_qm:TestExecutionRecord</code> but that is not necessarily the case.
<code>oslc_qm:reportsOnTestCase</code>	Exactly-one	false	Resource	Either	<code>oslc_qm:TestCase</code>	Test Case that the Test Result reports on. It is likely that the target resource will be an <code>oslc_qm:TestCase</code> but that is not necessarily the case.
<code>oslc_qm:reportsOnTestPlan</code>	Zero-or-one	true	Resource	Either	<code>oslc_qm:TestPlan</code>	Test Plan that the Test Result reports on. It is likely that the target resource will be an <code>oslc_qm:TestPlan</code> but that is not necessarily the case.
<code>oslc_qm:runsOnTestEnvironment</code>	Zero-or-one	true	Resource	Reference	<code>oslc_qm:TestExecutionRecord</code>	Configuration associated with the execution work item executed to generate the execution result.
<code>oslc_qm:status</code>	Zero-or-one	false	string	N/A	Unspecified	Used to indicate the state of the Test Result based on values defined by the service provider. Most often a read-only property.
<code>oslc:instanceShape</code>	Zero-or-one	true	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.
<code>oslc:serviceProvider</code>	Zero-or-many	true	Resource	Reference	<code>oslc:ServiceProvider</code>	The scope of a resource is a link to the resource's OSLC Service Provider.
<code>oslc:shortId</code>	Exactly-one	true	integer	N/A	Unspecified	A short identifier for the resource. Typically the integer shown in the web UI.
<code>rdf:type</code>	Zero-or-many	true	Resource	Reference	<code>oslc_qm:TestResult</code>	The resource type URIs.

3.5 Resource: TestExecutionRecord

Test Execution Record...

- **Name:** `TestExecutionRecord`
- **Type URI:** `http://open-services.net/ns/qm#TestExecutionRecord`
- **Summary:** QM Test Execution Record
- **Description:** Planning for execution of a test.

TestExecutionRecord Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
---------------	--------	-----------	------------	----------------	-------	-------------

Standards Track Work Product

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>acp:accessControl</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Access Control point resource for the test artifact.
<code>dcterms:contributor</code>	Zero-or-many	false	AnyResource	Either	<code>foaf:Person</code>	Contributor or contributors to resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:created</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
<code>dcterms:creator</code>	Zero-or-many	true	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be an <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	false	XMLLiteral	N/A	Unspecified	Descriptive text (reference: Dublin Core) about resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.
<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
<code>dcterms:modified</code>	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
<code>dcterms:relation</code>	Zero-or-many	true	Resource	Reference	Unspecified	Related resource or resources to the resource.
<code>dcterms:title</code>	Exactly-one	false	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) of the resource represented as rich text in XHTML content. SHOULD include only content that is valid inside an XHTML element.
<code>oslc_acc:accessContext</code>	Zero-or-one	true	Resource	Reference	Unspecified	The Project level Access Context resource for the test artifact.
<code>oslc_qm:blockedByChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	Change Request that prevents execution of the Test Execution Record. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:executesTestScript</code>	Zero-or-one	false	Resource	Either	<code>oslc_qm:TestScript</code>	Test Script executed by the Test Execution Record. It is likely that the target resource will be an <code>oslc_qm:TestScript</code> but that is not necessarily the case.
<code>oslc_qm:relatedChangeRequest</code>	Zero-or-many	false	Resource	Reference	<code>oslc_cm:ChangeRequest</code>	A related change request. It is likely that the target resource will be an <code>oslc_cm:ChangeRequest</code> but that is not necessarily the case.
<code>oslc_qm:reportsOnTestPlan</code>	Zero-or-one	false	Resource	Either	<code>oslc_qm:TestPlan</code>	Test Plan that the Test Execution Record reports on. It is likely that the target resource will be an <code>oslc_qm:TestPlan</code> but that is not necessarily the case.
<code>oslc_qm:runsOnTestEnvironment</code>	Zero-or-one	false	Resource	Reference	<code>oslc_qm:TestExecutionRecord</code>	Indicates the environment details of the test case for this execution record.
<code>oslc_qm:runsTestCase</code>	Exactly-one	false	Resource	Either	<code>oslc_qm:TestCase</code>	Test Case run by the Test Execution Record. It is likely that the target resource will be an <code>oslc_qm:TestCase</code> but that is not necessarily the case.
<code>oslc:instanceShape</code>	Zero-or-one	true	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.
<code>oslc:serviceProvider</code>	Zero-or-many	true	Resource	Reference	<code>oslc:ServiceProvider</code>	The scope of a resource is a link to the resource's OSLC Service Provider.
<code>oslc:shortId</code>	Exactly-one	true	integer	N/A	Unspecified	A short identifier for the resource. Typically the integer shown in the web UI.

Standards Track Work Product

<i>Prefixed Name</i>	<i>Occurs</i>	<i>Read-only</i>	<i>Value-type</i>	<i>Representation</i>	<i>Range</i>	<i>Description</i>
<code>rdf:type</code>	Zero-or-many	true	Resource	Reference	<code>oslc_qm:TestExecutionRecord</code>	The resource type URIs.

Appendix A. Change History

This section is non-normative.

Revision	Date	Editor	Changes Made
01	07/06/2016	Jim Amsden	Initial CSPRD01
02	08/08/2018	Gray Bachelor	Minor edits and checks for V2.1