



OSLC Quality Management 2.1. Part 2: Vocabulary

Project Specification Draft 02

14 November 2019

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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](https://docs.oasis-open-project.org/oslc-op/qm/v2.1/quality-management-spec.html)
- OSLC Quality Management 2.1. Part 2: Vocabulary (this document). [quality-management-vocab.html](https://docs.oasis-open-project.org/oslc-op/qm/v2.1/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/>.

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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.

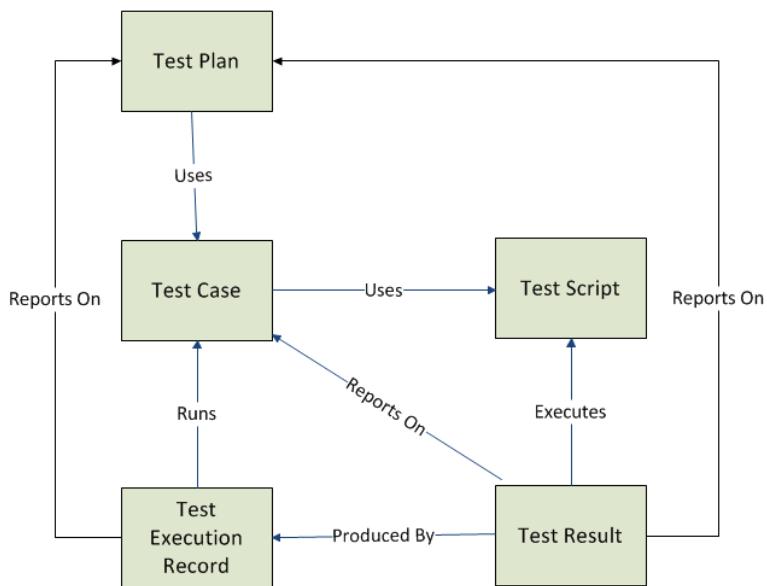


Fig. 1 OSLC Quality Management 2.1 resource relationship overview

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 Overviewv3.0*. 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.openservices.net/bin/view/Main/CmSpecificationV2>

[OSLCRM]

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Ian Green. [Open Services for Lifecycle Collaboration Requirements Management Specification Version 2.0](#). Final. URL: <https://archive.open-services.net/bir/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

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<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.

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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

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 foaf:Person 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 foaf:Person but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	false	XHTMLLiteral	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	XHTMLLiteral	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 oslc_cm:ChangeRequest 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.

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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 URLs.

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.

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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 URLs.

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.

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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 URLs.

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.

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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 URLs.

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

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<i>Prefixed Name</i>	<i>Occurs</i>	<i>Read-only</i>	<i>Value-type</i>	<i>Representation 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