

OSLC Change Management Version 3.0. Part 2: Vocabulary

Committee Specification 02

24 August 2018

Specification URIs

This version:

<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part2-change-mgt-vocab/cm-v3.0-cs02-part2-change-mgt-vocab.html> (Authoritative)
<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part2-change-mgt-vocab/cm-v3.0-cs02-part2-change-mgt-vocab.pdf>

Previous version:

<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs01/part2-change-mgt-vocab/cm-v3.0-cs01-part2-change-mgt-vocab.html> (Authoritative)
<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs01/part2-change-mgt-vocab/cm-v3.0-cs01-part2-change-mgt-vocab.pdf>

Latest version:

<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cm-v3.0-part2-change-mgt-vocab.html> (Authoritative)
<http://docs.oasis-open.org/oslc-domains/cm/v3.0/cm-v3.0-part2-change-mgt-vocab.pdf>

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Additional artifacts:

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

- *OSLC Change Management Version 3.0. Part 1: Specification.* <http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part1-change-mgt/cm-v3.0-cs02-part1-change-mgt.html>
- *OSLC Change Management Version 3.0. Part 2: Vocabulary (this document).* <http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part2-change-mgt-vocab/cm-v3.0-cs02-part2-change-mgt-vocab.html>

Related work:

This specification is related to:

- *Open Services for Lifecycle Collaboration Change Management Specification Version 2.0.* <http://open-services.net/bin/view/Main/CmSpecificationV2>

RDF Namespaces:

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

Abstract:

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

Status:

This document was last revised or approved by the [OASIS OSLC Lifecycle Integration Domains TC](#) on the above date. The level of approval is also listed above. Check the “Latest version” location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Technical Committee (TC) are listed at https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=oslc-domains#technical.

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Citation format:

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

[OSLC-CM-3.0-Part2]

OSLC Change Management Version 3.0. Part 2: Vocabulary. Edited by Jim Amsden, Samuel Padgett, and Steve Speicher. 24 August 2018. OASIS Committee Specification 02 <http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part2-change-mgt-vocab/cm-v3.0-cs02-part2-change-mgt-vocab.html>. Latest version: <http://docs.oasis-open.org/oslc-domains/cm/v3.0/cm-v3.0-part2-change-mgt-vocab.html>.

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Table of Contents

1. Introduction	8
1.1 Terminology	8
1.2 References	9
1.2.1 Normative references	9
1.2.2 Informative references	9
1.3 Typographical Conventions and Use of RFC Terms	9
2. Change Management Vocabulary Terms	11
2.1 Vocabulary Details	11
2.1.1 RDFS Classes in this namespace	11
2.1.2 RDF Properties in this namespace	11
2.1.3 ChangeNotice	11
2.1.4 ChangeRequest	11
2.1.5 Defect	12
2.1.6 Enhancement	12
2.1.7 Priority	12
2.1.8 ReviewTask	12
2.1.9 Severity	12
2.1.10 State	12
2.1.11 Task	13
2.1.12 affectedByDefect	13
2.1.13 affectsPlanItem	13
2.1.14 affectsRequirement	13
affectsTestResult (<i>Archaic term</i>)	13
2.1.15 authorizer	14
blocksTestExecutionRecord (<i>Archaic term</i>)	14
2.1.16 closeDate	14
2.1.17 implementsRequirement	14
2.1.18 parent	14
2.1.19 priority	14
2.1.20 relatedChangeRequest	15
relatedTestCase (<i>Archaic term</i>)	15
relatedTestExecutionRecord (<i>Archaic term</i>)	15
relatedTestPlan (<i>Archaic term</i>)	15
relatedTestScript (<i>Archaic term</i>)	15
2.1.21 severity	16
2.1.22 state	16
status (<i>Archaic term</i>)	16
testedByTestCase (<i>Archaic term</i>)	16
2.1.23 tracksChangeSet	16
2.1.24 tracksRequirement	17
3. Change Management Resource Constraints	18
3.1 Resource: ChangeRequest	18
3.2 Resource: ChangeNotice	22

3.3 Resource: Defect.....	26
3.4 Resource: Enhancement.....	29
3.5 Resource: ReviewTask	33
3.6 Resource: Task	37
3.7 Resource: Status.....	40
3.8 Resource: Priority	41
3.9 Resource: Severity	41
Appendix A. Change History.....	43

1. Introduction

This section is non-normative.

This specification defines a vocabulary and resource shapes for common Change Management resources. The intent is to define resources needed to support common integration scenarios and not to provide a comprehensive definition of a Change Request. The resource formats may not match exactly the native models supported by change 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.

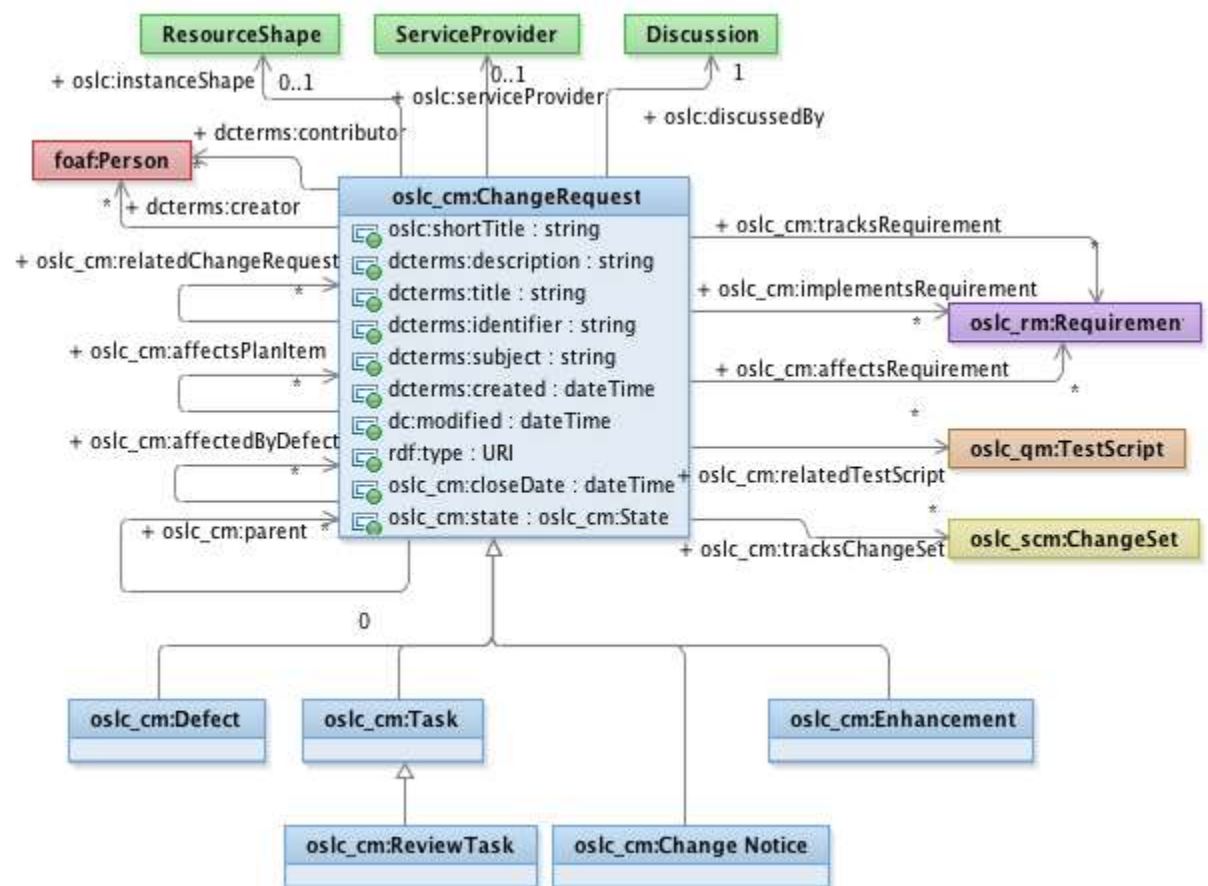


Fig. 1 OSLC Change Management 3.0 Overview

1.1 Terminology

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

1.2 References

1.2.1 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://tools.ietf.org/html/rfc7230>

[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. URL: <http://docs.oasis-open.org/oslc-core/oslc-core/v3.0/oslc-core-v3.0-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>

1.2.2 Informative references

[OSLCQM]

Paul McMahan. *Open Services for Lifecycle Collaboration Quality Management Specification Version 2.0*. Final. URL: <http://open-services.net/bin/view/Main/QmSpecificationV2>

[OSLCRM]

Ian Green. *Open Services for Lifecycle Collaboration Requirements Management Specification Version 2.0*. Final. URL: <http://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/>

1.3 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 CM defines the namespace URI of `http://open-services.net/ns/cm#` with a namespace prefix of `oslc_cm`

This specification also uses these namespace prefix definitions:

- `oslc_rm` : `http://open-services.net/ns/rm#` [[OSLCRM](#)]
- `oslc_qm` : `http://open-services.net/ns/qm#` [[OSLCQM](#)]

2. Change Management Vocabulary Terms

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

2.1 Vocabulary Details

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

All vocabulary URIs defined in the OSLC Change Management (CM) namespace.

2.1.1 RDFS Classes in this namespace

[ChangeNotice](#), [ChangeRequest](#), [Defect](#), [Enhancement](#), [Priority](#), [ReviewTask](#), [Severity](#), [State](#), [Task](#)

2.1.2 RDF Properties in this namespace

[affectedByDefect](#), [affectsPlanItem](#), [affectsRequirement](#), [affectsTestResult](#), [authorizer](#), [blocksTestExecutionRecord](#), [closeDate](#), [implementsRequirement](#), [parent](#), [priority](#), [relatedChangeRequest](#), [relatedTestCase](#), [relatedTestExecutionRecord](#), [relatedTestPlan](#), [relatedTestScript](#), [severity](#), [state](#), [status](#), [testedByTestCase](#), [tracksChangeSet](#), [tracksRequirement](#)

2.1.3 ChangeNotice

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

ChangeNotice is an RDFS class.

Represents an assignment notification of a change request. May be used also to bestow authority onto the assigned user to effect the changes.

2.1.4 ChangeRequest

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

ChangeRequest is an RDFS class.

The CM Change Request resource.

2.1.5 Defect

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

Defect is an RDFS class.

A software or product defect.

2.1.6 Enhancement

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

Enhancement is an RDFS class.

A request for new functionality.

2.1.7 Priority

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

Priority is an RDFS class.

Defines the possible osc_cm:priority property values.

2.1.8 ReviewTask

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

ReviewTask is an RDFS class.

A request to make a change and review the change.

2.1.9 Severity

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

Severity is an RDFS class.

Defines the possible osc_cm:severity property values.

2.1.10 State

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

State is an RDFS class.

Defines the possible `oslc_cm:state` property values.

2.1.11 Task

`http://open-services.net/ns/cm#Task`

Task is an RDFS class.

An executable and trackable activity.

2.1.12 affectedByDefect

`http://open-services.net/ns/cm#affectedByDefect`

affectedByDefect is an RDF property.

Change request is affected by a reported defect. It is likely that the target resource will be an `oslc_cm:Defect`.

2.1.13 affectsPlanItem

`http://open-services.net/ns/cm#affectsPlanItem`

affectsPlanItem is an RDF property.

Change request affects a plan item. It is likely that the target resource will be an `oslc_cm:ChangeRequest`.

2.1.14 affectsRequirement

`http://open-services.net/ns/cm#affectsRequirement`

affectsRequirement is an RDF property.

The `ChangeRequest` affects a `Requirement`. It is likely that the target resource will be an `oslc_rm:Requirement`.

affectsTestResult (*Archaic term*)

`http://open-services.net/ns/cm#affectsTestResult`

affectsTestResult is an RDF property.

Associated resource that is affected by this Change Request. It is likely that the target resource will be an `oslc_qm:TestResult`.

2.1.15 authorizer

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

authorizer is an RDF property.

The URI of a resource describing an agent who is responsible authorizing for and/or has authorized effort to be expended to address a set of change requests.

blocksTestExecutionRecord *(Archaic term)*

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

blocksTestExecutionRecord is an RDF property.

Associated resource that is blocked by this Change Request. It is likely that the target resource will be an `oslc_qm:TestExecutionRecord`.

2.1.16 closeDate

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

closeDate is an RDF property.

The date at which no further activity or work is intended to be conducted.

2.1.17 implementsRequirement

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

implementsRequirement is an RDF property.

The ChangeRequest implements the associated Requirement. It is likely that the target resource will be an `oslc_rm:Requirement`.

2.1.18 parent

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

parent is an RDF property.

The related parent change requests of the subject change request.

2.1.19 priority

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

priority is an RDF property.

Used to indicate the relative importance of ChangeRequests. It is likely that the target resource will be an `oslc_cm:Priority`.

2.1.20 relatedChangeRequest

`http://open-services.net/ns/cm#relatedChangeRequest`

relatedChangeRequest is an RDF property.

This relationship is loosely coupled, has no specific meaning, and can be used to link related change requests. It is likely that the target resource will be an `oslc_cm:ChangeRequest`.

relatedTestCase (*Archaic term*)

`http://open-services.net/ns/cm#relatedTestCase`

relatedTestCase is an RDF property.

Related test case resource. It is likely that the target resource will be an `oslc_qm:TestCase`.

relatedTestExecutionRecord (*Archaic term*)

`http://open-services.net/ns/cm#relatedTestExecutionRecord`

relatedTestExecutionRecord is an RDF property.

Related to a test execution resource. It is likely that the target resource will be an `oslc_qm:TestExecutionRecord`.

relatedTestPlan (*Archaic term*)

`http://open-services.net/ns/cm#relatedTestPlan`

relatedTestPlan is an RDF property.

Related test plan resource. It is likely that the target resource will be an `oslc_qm:TestPlan`.

relatedTestScript (*Archaic term*)

`http://open-services.net/ns/cm#relatedTestScript`

relatedTestScript is an RDF property.

Related test script resource. It is likely that the target resource will be an `oslc_qm:TestScript`.

2.1.21 severity

`http://open-services.net/ns/cm#severity`

severity is an RDF property.

Used to indicate the severity or potential impact of a defect. It is likely that the target resource will be an `oslc_cm:Severity`.

2.1.22 state

`http://open-services.net/ns/cm#state`

state is an RDF property.

Used to indicate the status of the change request.

status (*Archaic term*)

`http://open-services.net/ns/cm#status`

status is an RDF property.

Used to indicate the status of the change request based on values defined by the service provider. Most often a read-only property. It is likely that the target resource will be a string corresponding to an `oslc_cm:State` value.

testedByTestCase (*Archaic term*)

`http://open-services.net/ns/cm#testedByTestCase`

testedByTestCase is an RDF property.

Test case by which this change request is tested. It is likely that the target resource will be an `oslc_qm:TestCase`.

2.1.23 tracksChangeSet

`http://open-services.net/ns/cm#tracksChangeSet`

tracksChangeSet is an RDF property.

Tracks a change set resource. It is likely that the target resource will be an `oslc_config:ChangeSet`.

2.1.24 `tracksRequirement`

`http://open-services.net/ns/cm#tracksRequirement`

tracksRequirement is an RDF property.

Tracks the associated Requirement or Requirement ChangeSet resources. It is likely that the target resource will be an `oslc_rm:Requirement`.

3. Change Management Resource Constraints

Property value types that are not defined in the following sections, are defined in [OSLC Core - Defining OSLC Properties](#)

Naming convention for relationship properties follows this pattern:

- **related** - Identifies a loose relationship between a Change Request and referenced resource. These relationships can be used to name associated resources managed by other service providers.
- **tracks** - Identifies that a Change Request is used to track the lifecycle of referenced resource. From the CM tool perspective, these relationships can be used to track work that needs to be done for referenced resources.
- **affects** - Indicates that the Change Request affects, or has been predetermined to have impact on, the related resource. These property relationships can be used to understand the potential impact of referenced resources.

3.1 Resource: ChangeRequest

The Change Request resource properties are not limited to the ones defined in this specification, service providers may provide additional properties. It is recommended that any additional properties exist in their own unique namespace and not use the namespaces defined in these specifications.

- **Name:** `ChangeRequest`
- **Type URI:** `http://open-services.net/ns/cm#ChangeRequest`
- **Summary:** A general type for records in a Change Management.

ChangeRequest Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<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	unspecified	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	unspecified	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 <div> 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:subject</code>	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a <code>dcterms:subject</code> property denotes an additional tag for the resource.
<code>dcterms:title</code>	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.
<code>oslc_cm:affectedByDefect</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_cm:Defect</code>	Change request is affected by a reported defect. It is likely that the target resource will be an <code>oslc_cm:Defect</code> but that is not necessarily the case.

<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>oslc_cm:affectsPlanItem</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.
<code>oslc_cm:affectsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Change request affecting a Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:approved</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
<code>oslc_cm:authorizer</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Agent</code>	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.
<code>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:implementsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Implements associated Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If <code>oslc_cm:inProgress</code> is true, then <code>oslc_cm:fixed</code> and <code>oslc_cm:closed</code> must also be false.
<code>oslc_cm:parent</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:ChangeRequest</code>	The related parent change requests of the subject change request. Establishes a

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
						parent/child relationship between change requests.
<code>oslc_cm:priority</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Priority</code>	Priority of this change request.
<code>oslc_cm:relatedChangeRequest</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.
<code>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
<code>oslc_cm:state</code>	Zero-or-one	unspecified	unspecified	Either	<code>oslc_cm:State</code>	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
<code>oslc_cm:status</code>	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
<code>oslc_cm:tracksChangeSet</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_config:ChangeSet</code>	Tracks a resource that represents a set of changes on the resource.
<code>oslc_cm:tracksRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Tracks the associated Requirement or Requirement ChangeSet resources. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:verified</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
<code>oslc:discussedBy</code>	Zero-or-one	unspecified	AnyResource	Either	<code>oslc:Discussion</code>	A series of notes and comments about this change request.
<code>oslc:instanceShape</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc:ResourceShape</code>	Resource Shape that provides hints as to resource property value-types and allowed values.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc:serviceProvider</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-users. SHOULD include only content that is valid inside an XHTML element.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.2 Resource: ChangeNotice

- **Name:** `ChangeNotice`
- **Type URI:** `http://open-services.net/ns/cm#ChangeNotice`
- **Summary:** A notification of a change request that requires authorization to address.
- **Description:** Represents an assignment notification of a change request. May be used also to bestow authority onto the assigned user to effect the changes.

ChangeNotice Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <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).

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:creator</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	unspecified	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 <div> 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:subject</code>	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a <code>dcterms:subject</code> property denotes an additional tag for the resource.
<code>dcterms:title</code>	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.
<code>oslc_cm:affectedByDefect</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_cm:Defect</code>	Change request is affected by a reported defect. It is likely that the target resource will be an <code>oslc_cm:Defect</code> but that is not necessarily the case.
<code>oslc_cm:affectsPlanItem</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_cm:affectsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Change request affecting a Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:approved</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
<code>oslc_cm:authorizer</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Agent</code>	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.
<code>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If <code>oslc_cm:inProgress</code> is true, then <code>oslc_cm:fixed</code> and <code>oslc_cm:closed</code> must also be false.
<code>oslc_cm:parent</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:ChangeRequest</code>	The related parent change requests of the subject change request. Establishes a parent/child relationship between change requests.
<code>oslc_cm:priority</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Priority</code>	Priority of this change request.
<code>oslc_cm:relatedChangeRequest</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
<code>oslc_cm:severity</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Severity</code>	Severity or criticality of this change request.
<code>oslc_cm:state</code>	Zero-or-one	unspecified	unspecified	Either	<code>oslc_cm:State</code>	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
<code>oslc_cm:status</code>	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
<code>oslc_cm:tracksChangeSet</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_config:ChangeSet</code>	Tracks a resource that represents a set of changes on the resource.
<code>oslc_cm:verified</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
<code>oslc:discussedBy</code>	Zero-or-one	unspecified	AnyResource	Either	<code>oslc:Discussion</code>	A series of notes and comments about this change request.
<code>oslc:instanceShape</code>	Zero-or-many	unspecified	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	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-users. SHOULD include only content that is valid inside an XHTML element.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.3 Resource: Defect

A software or product defect. Used by Quality Management tools to report defects in testing.

- **Name:** `Defect`
- **Type URI:** `http://open-services.net/ns/cm#Defect`
- **Summary:** A software or product defect.
- **Description:** Used to report defects in testing.

Defect Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <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	unspecified	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	unspecified	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 <code><div></code> element.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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:subject	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a dcterms:subject property denotes an additional tag for the resource.
dcterms:title	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.
oslc_cm:affectedByDefect	Zero-or-many	unspecified	Resource	Reference	oslc_cm:Defect	Change request is affected by a reported defect. It is likely that the target resource will be an oslc_cm:Defect but that is not necessarily the case.
oslc_cm:affectsPlanItem	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.
oslc_cm:affectsRequirement	Zero-or-many	unspecified	Resource	Reference	oslc_rm:Requirement	Change request affecting a Requirement. It is likely that the target resource will be an oslc_rm:Requirement but that is not necessarily the case.
oslc_cm:approved	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
oslc_cm:authorizer	Zero-or-many	unspecified	AnyResource	Either	foaf:Agent	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.

<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>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If <code>oslc_cm:inProgress</code> is true, then <code>oslc_cm:fixed</code> and <code>oslc_cm:closed</code> must also be false.
<code>oslc_cm:parent</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:ChangeRequest</code>	The related parent change requests of the subject change request. Establishes a parent/child relationship between change requests.
<code>oslc_cm:priority</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Priority</code>	Priority of this change request.
<code>oslc_cm:relatedChangeRequest</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.
<code>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
<code>oslc_cm:severity</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Severity</code>	Severity or criticality of this change request.
<code>oslc_cm:state</code>	Zero-or-one	unspecified	unspecified	Either	<code>oslc_cm:State</code>	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
<code>oslc_cm:status</code>	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_cm:tracksChangeSet</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_config:ChangeSet</code>	Tracks a resource that represents a set of changes on the resource.
<code>oslc_cm:verified</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
<code>oslc:discussedBy</code>	Zero-or-one	unspecified	AnyResource	Either	<code>oslc:Discussion</code>	A series of notes and comments about this change request.
<code>oslc:instanceShape</code>	Zero-or-many	unspecified	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	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-users. SHOULD include only content that is valid inside an XHTML element.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.4 Resource: Enhancement

- **Name:** `Enhancement`
- **Type URI:** `http://open-services.net/ns/cm#Enhancement`
- **Summary:** A request for new functionality.

Enhancement Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <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	unspecified	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	unspecified	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 <div> 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:subject</code>	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a <code>dcterms:subject</code> property denotes an additional tag for the resource.
<code>dcterms:title</code>	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.

<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>oslc_cm:affectedByDefect</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_cm:Defect</code>	Change request is affected by a reported defect. It is likely that the target resource will be an <code>oslc_cm:Defect</code> but that is not necessarily the case.
<code>oslc_cm:affectsPlanItem</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.
<code>oslc_cm:affectsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Change request affecting a Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:approved</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
<code>oslc_cm:authorizer</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Agent</code>	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.
<code>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:implementsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Implements associated Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If

<i>Prefixed Name</i>	<i>Occurs</i>	<i>Read-only</i>	<i>Value-type</i>	<i>Representation</i>	<i>Range</i>	<i>Description</i>
						oslc_cm:inProgress is true, then oslc_cm:fixed and oslc_cm:closed must also be false.
oslc_cm:parent	Zero-or-many	unspecified	AnyResource	Either	oslc_cm:ChangeRequest	The related parent change requests of the subject change request. Establishes a parent/child relationship between change requests.
oslc_cm:priority	Zero-or-many	unspecified	AnyResource	Either	oslc_cm:Priority	Priority of this change request.
oslc_cm:relatedChangeRequest	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.
oslc_cm:reviewed	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
oslc_cm:state	Zero-or-one	unspecified	unspecified	Either	oslc_cm:State	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
oslc_cm:status	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
oslc_cm:tracksChangeSet	Zero-or-many	unspecified	Resource	Reference	oslc_config:ChangeSet	Tracks a resource that represents a set of changes on the resource.
oslc_cm:verified	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
oslc:discussedBy	Zero-or-one	unspecified	AnyResource	Either	oslc:Discussion	A series of notes and comments about this change request.
oslc:instanceShape	Zero-or-many	unspecified	Resource	Reference	oslc:ResourceShape	Resource Shape that provides hints as to resource property value-types and allowed values.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc:serviceProvider</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-users. SHOULD include only content that is valid inside an XHTML element.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.5 Resource: ReviewTask

- **Name:** `ReviewTask`
- **Type URI:** `http://open-services.net/ns/cm#ReviewTask`
- **Summary:** A request to make a changes and review the change.
- **Description:** A review task can be used to request and approve changes to requirements, test plans, test cases or other resources.

ReviewTask Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <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).

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
dcterms:creator	Zero-or-many	unspecified	AnyResource	Either	foaf:Person	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a foaf:Person but that is not necessarily the case.
dcterms:description	Zero-or-one	unspecified	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 <div> 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:subject	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a dcterms:subject property denotes an additional tag for the resource.
dcterms:title	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.
oslc_cm:affectedByDefect	Zero-or-many	unspecified	Resource	Reference	oslc_cm:Defect	Change request is affected by a reported defect. It is likely that the target resource will be an oslc_cm:Defect but that is not necessarily the case.
oslc_cm:affectsPlanItem	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc_cm:affectsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Change request affecting a Requirement. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:approved</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
<code>oslc_cm:authorizer</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Agent</code>	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.
<code>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If <code>oslc_cm:inProgress</code> is true, then <code>oslc_cm:fixed</code> and <code>oslc_cm:closed</code> must also be false.
<code>oslc_cm:parent</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:ChangeRequest</code>	The related parent change requests of the subject change request. Establishes a parent/child relationship between change requests.
<code>oslc_cm:priority</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Priority</code>	Priority of this change request.
<code>oslc_cm:relatedChangeRequest</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.

<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>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
<code>oslc_cm:state</code>	Zero-or-one	unspecified	unspecified	Either	<code>oslc_cm:State</code>	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
<code>oslc_cm:status</code>	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
<code>oslc_cm:tracksChangeSet</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_config:ChangeSet</code>	Tracks a resource that represents a set of changes on the resource.
<code>oslc_cm:tracksRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	Tracks the associated Requirement or Requirement ChangeSet resources. It is likely that the target resource will be an <code>oslc_rm:Requirement</code> but that is not necessarily the case.
<code>oslc_cm:verified</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
<code>oslc:discussedBy</code>	Zero-or-one	unspecified	AnyResource	Either	<code>oslc:Discussion</code>	A series of notes and comments about this change request.
<code>oslc:instanceShape</code>	Zero-or-many	unspecified	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	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
						users. SHOULD include only content that is valid inside an XHTML element.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.6 Resource: Task

- **Name:** `Task`
- **Type URI:** `http://open-services.net/ns/cm#Task`
- **Summary:** An executable and trackable activity.
- **Description:** Used to track assigned work that to be completed within a certain time.

Task Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target resource will be a <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	unspecified	AnyResource	Either	<code>foaf:Person</code>	Creator or creators of resource (reference: Dublin Core). It is likely that the target resource will be a <code>foaf:Person</code> but that is not necessarily the case.
<code>dcterms:description</code>	Zero-or-one	unspecified	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 <div> element.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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:subject	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a dcterms:subject property denotes an additional tag for the resource.
dcterms:title	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML <div> element.
oslc_cm:affectedByDefect	Zero-or-many	unspecified	Resource	Reference	oslc_cm:Defect	Change request is affected by a reported defect. It is likely that the target resource will be an oslc_cm:Defect but that is not necessarily the case.
oslc_cm:affectsPlanItem	Zero-or-many	unspecified	Resource	Reference	Unspecified	Change request affects plan item.
oslc_cm:affectsRequirement	Zero-or-many	unspecified	Resource	Reference	oslc_rm:Requirement	Change request affecting a Requirement. It is likely that the target resource will be an oslc_rm:Requirement but that is not necessarily the case.
oslc_cm:approved	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been approved.
oslc_cm:authorizer	Zero-or-many	unspecified	AnyResource	Either	foaf:Agent	Agents who are responsible authorizing and/or has authorized effort to be expended to address a set of child change requests.

<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>oslc_cm:closed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request is completely done, no further fixes or fix verification is needed.
<code>oslc_cm:closeDate</code>	Zero-or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
<code>oslc_cm:fixed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
<code>oslc_cm:inProgress</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If <code>oslc_cm:inProgress</code> is true, then <code>oslc_cm:fixed</code> and <code>oslc_cm:closed</code> must also be false.
<code>oslc_cm:parent</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:ChangeRequest</code>	The related parent change requests of the subject change request. Establishes a parent/child relationship between change requests.
<code>oslc_cm:priority</code>	Zero-or-many	unspecified	AnyResource	Either	<code>oslc_cm:Priority</code>	Priority of this change request.
<code>oslc_cm:relatedChangeRequest</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.
<code>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
<code>oslc_cm:state</code>	Zero-or-one	unspecified	unspecified	Either	<code>oslc_cm:State</code>	Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.
<code>oslc_cm:status</code>	Zero-or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
<code>oslc_cm:tracksChangeSet</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_config:ChangeSet</code>	Tracks a resource that represents a set of changes on the resource.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
<code>oslc:discussedBy</code>	Zero-or-one	unspecified	AnyResource	Either	<code>oslc:Discussion</code>	A series of notes and comments about this change request.
<code>oslc:instanceShape</code>	Zero-or-many	unspecified	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	unspecified	Resource	Reference	<code>oslc:ServiceProvider</code>	A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from a service provider that implements multiple domain specifications, which could result in multiple values for this property.
<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to end-users. SHOULD include only content that is valid inside an XHTML <code></code> element.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be <code>oslc_cm:ChangeRequest</code> .

3.7 Resource: Status

Defines a set of standard values for property `oslc_cm:status`.

- **Name:** `State`
- **Type URI** `http://open-services.net/ns/cm#State`

Range	Description
<code>oslc_cm:Closed</code>	Completely done, no further fixes or fix verification is needed.
<code>oslc_cm:Inprogress</code>	Active work is occurring.
<code>oslc_cm:Fixed</code>	The issue is resolved or fixed but the resolution or fix has not yet been verified.

Range	Description
oslc_cm:Approved	The resolution or fix is approved and can be delivered.
oslc_cm:Reviewed	The resolution or fix has been reviewed.
oslc_cm:Verified	The resolution or the fix is verified.

3.8 Resource: Priority

- **Name:** `Priority`
- **Type URI** `http://open-services.net/ns/cm#Priority`

Range	Description
oslc_cm:High	Highest priority, action on the change request highly recommended.
oslc_cm:Medium	Acting on the change request can wait, but not forever.
oslc_cm:Low	Action on the change request can be safely deferred.
oslc_cm:PriorityUnassigned	The priority of the change request is intentionally not set.

3.9 Resource: Severity

- **Name:** `Severity`
- **Type URI** `http://open-services.net/ns/cm#Severity`

NEEDS UPDATE: Improve descriptions.

Range	Description
oslc_cm:Blocker	Severe problem. No workaround. Blocks development, test, or usage.
oslc_cm:Critical	Severe problem. No workaround.
oslc_cm:Major	Prevents function from being used. There is a workaround.
oslc_cm:Normal	Affects non-critical functionality. There is a workaround.
oslc_cm:Minor	Minimal impact.

Range	Description
oslc_cm:SeverityUnassigned	Intentionally set blank.

- Providers **MAY** have custom oslc_cm:priority and oslc_cm:severity values.
- Providers **SHOULD** use skos:narrower when custom priority or severity values refine standard values.
- Providers **SHOULD NOT** use owl:sameAs when custom priority or severity values refine standard values.

Priority and severity example:

EXAMPLE 1

```
@prefix ex: <http://example.com/bugtracker> .
@prefix oslc: <http://open-services.net/ns/core#> .
@prefix oslc_cm: <http://open-services.net/ns/cm#> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix dcterms: <http://purl.org/dc/terms/> .
@prefix skos: <http://www.w3.org/2004/02/skos/core> .

<http://example.com/bugs/2314>
  a oslc_cm:Defect ;
  dcterms:identifier "00002314" ;
  oslc:shortTitle "Bug 2314" ;
  dcterms:title "Invalid installation instructions" ;
  oslc_cm:priority oslc_cm:High ;
  oslc_cm:severity <http://example.com/enums#S1> .

<http://example.com/enums#S1>
  a oslc_cm:Severity;
  dcterms:title "Severe - HOT" ;
  skos:narrower oslc_cm:Critical ;
  ex:icon <http://example.com/severity/S1.gif>.
```

Appendix A. Change History

This section is non-normative.

Revision	Date	Editor	Changes Made
01	06/08/2018	Jim Amsden	Committee Specification revision 01 published
02	08/24/2018	Jim Amsden	Includes ReSpec generated Conformance section