

OSLC Change Management Version 3.0. Part 2: Vocabulary

Committee Specification Draft 01 /
Public Review Draft 01

19 October 2017

Specification URIs

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<http://docs.oasis-open.org/oslc-domains/cm/v3.0/csprd01/part2-change-mgt-vocab/cm-v3.0-csprd01-part2-change-mgt-vocab.html> (Authoritative)
<http://docs.oasis-open.org/oslc-domains/cm/v3.0/csprd01/part2-change-mgt-vocab/cm-v3.0-csprd01-part2-change-mgt-vocab.pdf>

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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/csprd01/part1-change-mgt/cm-v3.0-csprd01-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/csprd01/part2-change-mgt-vocab/cm-v3.0-csprd01-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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Table of Contents

- 1. [Introduction](#)
 - 1.1 [Terminology](#)
 - 1.2 [References](#)
 - 1.2.1 [Normative references](#)
 - 1.2.2 [Informative references](#)
 - 1.3 [Typographical Conventions and Use of RFC Terms](#)
- 2. [Change Management Vocabulary Terms](#)
 - 2.1 [Vocabulary Details](#)
 - 2.1.1 [RDFS Classes in this namespace](#)
 - 2.1.2 [RDF Properties in this namespace](#)
 - 2.1.3 [ChangeNotice](#)
 - 2.1.4 [ChangeRequest](#)
 - 2.1.5 [Defect](#)
 - 2.1.6 [Enhancement](#)
 - 2.1.7 [Priority](#)
 - 2.1.8 [ReviewTask](#)
 - 2.1.9 [Severity](#)
 - 2.1.10 [State](#)
 - 2.1.11 [Task](#)
 - 2.1.12 [affectedByDefect](#)
 - 2.1.13 [affectsPlanItem](#)
 - 2.1.14 [affectsRequirement](#)
 - 2.1.15 [authorizer](#)
 - 2.1.16 [closeDate](#)
 - 2.1.17 [implementsRequirement](#)
 - 2.1.18 [parent](#)

- 2.1.19 [priority](#)
 - 2.1.20 [relatedChangeRequest](#)
 - 2.1.21 [sererity](#)
 - 2.1.22 [tracksChangeSet](#)
 - 2.1.23 [tracksRequirement](#)
 - 3. [Change Management Resource Constraints](#)
 - 3.1 [Resource: ChangeRequest](#)
 - 3.2 [Resource: ChangeNotice](#)
 - 3.3 [Resource: Defect](#)
 - 3.4 [Resource: Enhancement](#)
 - 3.5 [Resource: ReviewTask](#)
 - 3.6 [Resource: Task](#)
 - 3.7 [Resource: Status](#)
 - 3.8 [Resource: Priority](#)
 - 3.9 [Resource: Severity](#)
 - Appendix A. [Change History](#)
-

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.

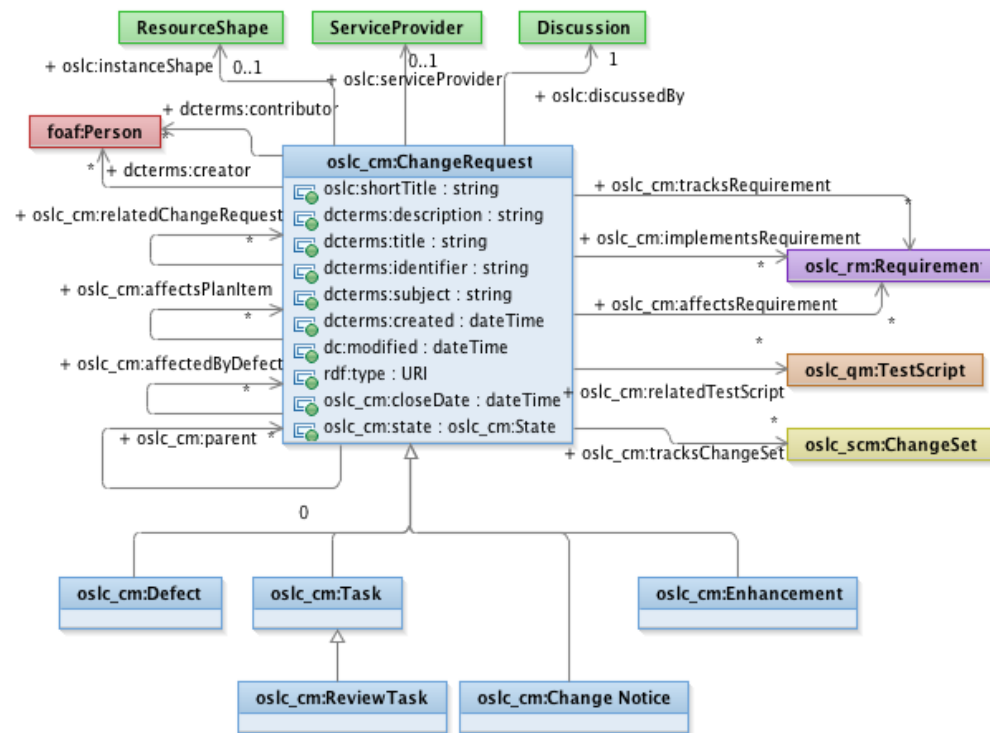


Fig. 1 OSLC Change Management 3.0 Overview

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], Hyper-text 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->

[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](#), [sererity](#), [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 `oslc_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 `oslc_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 sererity

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

sererity 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`.

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`.

2.1.22 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`.

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

cm#ChangeRequest Properties

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
						The person(s) who are responsible for the work needed to complete the change request

<code>dcterms:contributor</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Person</code>	(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.
						Title (reference: Dublin Core) or often a single line summary of the resource represented as

<code>dcterms:title</code>	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	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.
<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.
						Implements associated

<code>oslc_cm:implementsRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	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 is 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.
						Tracks the associated

<code>oslc_cm:tracksRequirement</code>	Zero-or-many	unspecified	Resource	Reference	<code>oslc_rm:Requirement</code>	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-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> .

3.2 Resource: ChangeNotice

- **Name:** `cm#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.

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

cm#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 <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.
<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.
<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.
<code>rdf:type</code>	Zero-or-many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be

3.4 Resource: Enhancement

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

cm#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.
<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 <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.
<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 <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> .
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3.5 Resource: ReviewTask

- **Name:** `cm#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.

cm#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).
<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.
						A unique identifier for a

<code>dcterms:identifier</code>	Exactly-one	true	string	N/A	Unspecified	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.
<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.
						Agents who are

<code>oslc_cm:authorizer</code>	Zero-or-many	unspecified	AnyResource	Either	<code>foaf:Agent</code>	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.
<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.
						Short name identifying a resource, often used as

<code>oslc:shortTitle</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	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> .

3.6 Resource: Task

- **Name:** `cm#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.

cm#Task Properties

Prefix 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.
						Descriptive text (reference: Dublin Core) about resource represented as rich text

<code>dcterms:description</code>	Zero-or-one	unspecified	XMLLiteral	N/A	Unspecified	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.
<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.
						Whether or not the

<code>oslc_cm:reviewed</code>	Zero-or-one	unspecified	boolean	N/A	Unspecified	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: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.
						The resource type URIs,

rdf:type	Zero-or-many	unspecified	Resource	Reference	Unspecified	at least one of which should be oslc_cm:ChangeRequest.
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3.7 Resource: Status

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

- **Name:** `Status`
- **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.
<code>oslc_cm:Approved</code>	The resolution or fix is approved and can be delivered.
<code>oslc_cm:Reviewed</code>	The resolution or fix has been reviewed.
<code>oslc_cm:Verified</code>	The resolution or the fix is verified.

3.8 Resource: Priority

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

Range	Description
<code>oslc_cm:High</code>	Highest priority, action on the change request highly recommended.
<code>oslc_cm:Medium</code>	Acting on the change request can wait, but not forever.
<code>oslc_cm:Low</code>	Action on the change request can be safely deferred.
<code>oslc_cm:PriorityUnassigned</code>	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
<code>oslc_cm:Blocker</code>	Severe problem. No workaround. Blocks development, test, or usage.
<code>oslc_cm:Critical</code>	Severe problem. No workaround.
<code>oslc_cm:Major</code>	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.
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	10/19/2016	Jim Amsden	Initial CSPRD01