

# OSLC Change Management Version 3.0. Part 2: Vocabulary

# **Committee Specification 01**

08 June 2018

## **Specification URIs**

#### This version:

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#### Previous version:

#### **Latest version:**

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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/cs01/part1-changemgt/cm-v3.0-cs01-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/cs01/part2-change-mgt-vocab/cm-v3.0-cs01-part2-change-mgt-vocab.html

#### Related work:

This specification is related to:

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

#### **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 <a href="https://www.oasis-open.org/committees/tc\_home.php?">https://www.oasis-open.org/committees/tc\_home.php?</a> wg abbrev=oslc-domains#technical.

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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.

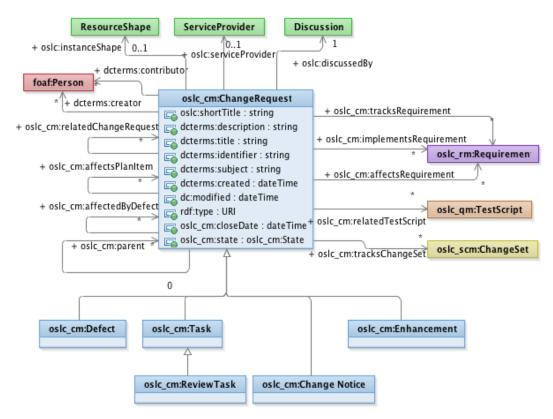


Fig. 1 OSLC Change Management 3.0 Overview

## 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: <a href="https://tools.ietf.org/html/rfc7230">https://tools.ietf.org/html/rfc7230</a>

## [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. <u>OSLC Core Overview v3.0</u>. Committee Specification. URL: <u>http://docs.oasis-open.org/oslc-core/oslc-core/v3.0/oslc-core-v3.0-part1-overview.html</u>

#### [RFC2119]

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

#### 1.2.2 Informative references

#### [OSLCQM]

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

#### [OSLCRM]

Ian Green. <u>Open Services for Lifecycle Collaboration Requirements Management Specification Version 2.0</u>. Final. URL: <a href="http://open-services.net/bin/view/Main/RmSpecificationV2">http://open-services.net/bin/view/Main/RmSpecificationV2</a>

#### [WEBARCH]

lan Jacobs; Norman Walsh. <u>Architecture of the World Wide Web, Volume One</u>. 15 December 2004. W3C Recommendation. URL: <a href="https://www.w3.org/TR/webarch/">https://www.w3.org/TR/webarch/</a>

## 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 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

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 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 implements Requirement

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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	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 foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
dcterms:creator	Zero- or- many	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

						0000.
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.</div>
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.</div>
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.
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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.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
oslc_cm:fixed	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
oslc_cm:implementsRequirement	Zero- or- many	unspecified	Resource	Reference	oslc_rm:Requirement	Implements associated Requirement. It is likely that the target resource will be an oslc_rm:Requirement but that is not necessarily the case.
						Whether or not the Change Request in a
		Convrio	bt @ OASIS Open 2017 All	Righte Recorved		00 1 2010

Zero- or-one	unspecified	boolean	N/A	Unspecified	state indicating that active work is occurring. If oslc_cm:inProgress is true, then oslc_cm:fixed and oslc_cm:closed must also be false.
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.
Zero- or- many	unspecified	AnyResource	Either	oslc_cm:Priority	Priority of this change request.
Zero- or- many	unspecified	Resource	Reference	Unspecified	This relationship is loosely coupled and has no specific meaning.
Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been reviewed.
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.
Zero- or-one	unspecified	string	N/A	Unspecified	Used to indicate the status of the change request. This property is often read-only.
					onon road only.
Zero- or- many	unspecified	Resource	Reference	oslc_config:ChangeSet	Tracks a resource that represents a set of changes on the resource.
	Zero-or-many Zero-or-many Zero-or-or-or-one Zero-or-or-one	Zero- or- or- many  Zero- or- unspecified many  Zero- or- unspecified many  Zero- or- unspecified many  Zero- or- unspecified many  Zero- or-one unspecified  Zero- unspecified	Zero- or- many  Zero- or-one  unspecified boolean  Zero- or-one  unspecified boolean  Zero- or-one  unspecified unspecified  zero- or-one  vnspecified string	Zero- or- many  Zero- or- or- one  unspecified boolean  N/A  Zero- or-one  unspecified winspecified Either  Zero- or-one  N/A	Or-one unspecified boolean N/A Unspecified  Zero-or-unspecified AnyResource Either oslc_cm:ChangeRequest  Zero-or-unspecified AnyResource Either oslc_cm:Priority  Zero-or-unspecified Resource Reference Unspecified many  Zero-or-one unspecified boolean N/A Unspecified  Zero-or-one unspecified string N/A Unspecified

						but that is not necessarily the case.
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 valuetypes and allowed values.
oslc:serviceProvider	Zero- or- many	unspecified	Resource	Reference	oslc:ServiceProvider	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.
oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

# 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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	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 foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
dcterms:creator	Zero- or- many	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.</div>
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.
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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.</div>
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.
cm-v3.0-cs01-part2-change-mgt-vocab	Zero-	Соруг	right © OASIS Open 2017.	All Rights Reserved.		Agents who are responsible authorizing and/or has authorized

oslc_cm:authorizer	or- many	unspecified	AnyResource	Either	foaf:Agent	effort to be expended to address a set of child change requests.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
oslc_cm:fixed	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
oslc_cm:inProgress	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If 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.
	Zero-					

oslc_cm:severity	or- many	unspecified	AnyResource	Either	oslc_cm:Severity	Severity or criticality of this change request.
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 valuetypes and allowed values.
oslc:serviceProvider	Zero- or- many	unspecified	Resource	Reference	oslc:ServiceProvider	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

oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

## 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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	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 foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
dcterms:creator	Zero- or- many	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.
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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.</div>
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.</div>
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.
cm-v3.0-cs01-part2-change-mgt-vocab	Zero-	Copyr	ight © OASIS Open 2017.	All Dights Reserved		Change request affects

oslc_cm:affectsPlanItem	or- many	unspecified	Resource	Reference	Unspecified	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.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
oslc_cm:fixed	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
oslc_cm:inProgress	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If oslc_cm:inProgress is true, then oslc_cm:fixed and oslc_cm:closed must also be false.
cm-v3.0-cs01-part2-change-mgt-vocab		Comm	ight © OASIS Open 2017. Al	Il Righte Recerved		The related parent change requests of the
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oslc_cm:parent	Zero- or- many	unspecified	AnyResource	Either	oslc_cm:ChangeRequest	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:severity	Zero- or- many	unspecified	AnyResource	Either	oslc_cm:Severity	Severity or criticality of this change request.
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-	unspecified	Resource	Reference	oslc:ResourceShape	Resource Shape that provides hints as to
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	many					resource property value- types and allowed values.
oslc:serviceProvider	Zero- or- many	unspecified	Resource	Reference	oslc:ServiceProvider	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.
oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

## 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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	The person(s) who are responsible for the work needed to complete the change request (reference: Dublin Core). It is likely that the target
cm-v3.0-cs01-part2-change-mgt-vocab Standards Track Work Product		Copyrig	ht © OASIS Open 2017. All	Rights Reserved.		resource will be a  08 June 2018  Page 27 of 42

						foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
dcterms:creator	Zero- or- many	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.</div>
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.
						Title (reference: Dublin Core) or often a single line summary of the resource represented as

dcterms:title	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.</div>
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.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.

oslc_cm:fixed         Zero or-one         unspecified         boolean         N/A         Unspecified         Whether or not the Change Request has been fixed.           Label_cm:implementsRequirement         Zero or many         Inspecified         Implements associated with the target resource with the target res							
colc_cm:implementsRequirement         Zero-order improgress         Leading image. It is likely that the target resource will be an eal_rmiRequirement. Dut that is not necessarily the case.         Reference         salc_m:Requirement. Exequirement will be an eal_rmiRequirement. Dut that is not necessarily the case.           colc_cm:inProgress         Zero-or-one         unspecified         boolean         N/A         Unspecified         Whether or not the Change Request in a state indicating that active work is occurring. If oslc_cm:inProgress is true, then oslc_cm:inved and oslc_cm:closed must also be false.           colc_cm:parent         Zero-or-many         unspecified         AnyResource         Either         colc_om:ChangeRequest         The related parent change requests. Or many requests. Or many requests.           colc_cm:relatedchangeRequest         Zero-or-or-or-or-or-or-or-or-or-or-or-or-o	oslc_cm:fixed		unspecified	boolean	N/A	Unspecified	Change Request has
oslc_cm:inProgress         Zero-or-one         unspecified         boolean         N/A         Unspecified         Change Request in a state indicating that active work is occurring. If solc_cm:nProgress is true, then oslc_cm:cflowed and oslc_cm:cflowed must also be false.           oslc_cm:parent         Zero-or-or-many         unspecified         AnyResource         Either         slc_cm:ChangeRequest         The related parent change requests of the subject change requests of the subject change request. Establishes a parent/child relationship between change request.           oslc_cm:priority         Zero-or-many         unspecified         AnyResource         Either         oslc_cm:Priority         Priority of this change request.           oslc_cm:relatedChangeRequest         Zero-or-or-or-or-or-or-or-or-or-or-or-or-o	oslc_cm:implementsRequirement	or-	unspecified	Resource	Reference	oslc_rm:Requirement	Requirement. It is likely that the target resource will be an oslc_rm:Requirement but that is not necessarily the
oslc_cm:parent       Zero-or-many       unspecified or-many       AnyResource       Either       oslc_cm:ChangeRequest       change requests of the subject change request. Establishes a parent/child relationship between change requests.         oslc_cm:priority       Zero-many       unspecified or-many       AnyResource       Either       oslc_cm:Priority       Priority of this change request.         oslc_cm:relatedChangeRequest       Zero-or-many       unspecified       Resource       Reference       Unspecified       Whether or not the Change Request has been reviewed.         oslc_cm:reviewed       Zero-or-one       unspecified       unspecified       Either       oslc_cm:State       Used to indicate the state of the change request.         of the change request.       This property is often read-only, but could be changed using OSLC Actions.       Either       value       Lem: State       Used to indicate the	oslc_cm:inProgress		unspecified	boolean	N/A	Unspecified	Change Request in a state indicating that active work is occurring. If oslc_cm:inProgress is true, then oslc_cm:fixed and oslc_cm:closed must
cslc_cm:priority       or-many       unspecified many       AnyResource       Either       oslc_cm:Priority       Priority of this change request.         cslc_cm:relatedChangeRequest       Zero-or-one       unspecified       Resource       Reference       Unspecified       This relationship is loosely coupled and has no specific meaning.         cslc_cm:reviewed       Zero-or-one       unspecified       boolean       N/A       Unspecified       Whether or not the Change Request has been reviewed.         cslc_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.         Used to indicate the	oslc_cm:parent	or-	unspecified	AnyResource	Either	oslc_cm:ChangeRequest	change requests of the subject change request. Establishes a parent/child relationship between
oslc_cm:relatedChangeRequest or- many unspecified Resource Reference Unspecified loosely coupled and has no specific meaning.  Zero- or-one unspecified boolean N/A Unspecified Change Request has been reviewed.  Zero- or-one unspecified unspecified boolean N/A Unspecified Unspecified Change Request has been reviewed.  Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.  Used to indicate the	oslc_cm:priority	or-	unspecified	AnyResource	Either	oslc_cm:Priority	-
oslc_cm:reviewed or-one unspecified boolean N/A Unspecified Change Request has been reviewed.  Zero-or-one unspecified unspecified unspecified unspecified Either oslc_cm:State Change request. This property is often read-only, but could be changed using OSLC Actions.  Used to indicate the state of the change request. This property is often read-only, but could be changed using OSLC Actions.  Used to indicate the	oslc_cm:relatedChangeRequest	or-	unspecified	Resource	Reference	Unspecified	loosely coupled and has
oslc_cm:state  Zero- or-one unspecified unspecified Either oslc_cm:State  oslc_cm:State  of the change request. This property is often read-only, but could be changed using OSLC Actions.  Used to indicate the	oslc_cm:reviewed		unspecified	boolean	N/A	Unspecified	Change Request has
	oslc_cm:state		unspecified	unspecified	Either	oslc_cm:State	of the change request. This property is often read-only, but could be changed using OSLC
Converight © OASIS Open 2017 All Rights Reserved			Cai	ht @ OACIC Open 2017, All I	Diahta Dagamrad		Used to indicate the

oslc_cm:status	Zero- or-one	unspecified	string	N/A	Unspecified	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 valuetypes and allowed values.
oslc:serviceProvider	Zero- or- many	unspecified	Resource	Reference	oslc:ServiceProvider	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.
oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

## 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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	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 foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).
dcterms:creator	Zero- or- many	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.</div>
cm-v3.0-cs01-part2-change-mgt-vocab Standards Track Work Product	Exactly-	Сору	right © OASIS Open 2017. A	ll Rights Reserved.		A unique identifier for a resource. Assigned by the service provider when 08 June 2018 Page 32 of 42

dcterms:identifier	one	true	string	N/A	Unspecified	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.</div>
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 <pre>oslc_rm:Requirement</pre> 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
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						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.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
oslc_cm:fixed	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
oslc_cm:inProgress	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request in a state indicating that active work is occurring. If 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:tracksRequirement	Zero- or- many	unspecified	Resource	Reference	oslc_rm:Requirement	Tracks the associated Requirement or Requirement ChangeSet resources. It is likely that the target resource will be an oslc_rm:Requirement but that is not necessarily the case.
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 valuetypes and allowed values.
cm-v3.0-cs01-part2-change-mgt-vocab	Zero-	Соруг	ight © OASIS Open 2017. Al	ll Rights Reserved.		A link to the resource's OSLC Service Provider. There may be cases when the subject resource is available from

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oslc:serviceProvider	or- many	unspecified	Resource	Reference	oslc:ServiceProvider	a service provider that implements multiple domain specifications, which could result in multiple values for this property.
oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

## 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
dcterms:contributor	Zero- or- many	unspecified	AnyResource	Either	foaf:Person	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 foaf:Person but that is not necessarily the case.
dcterms:created	Zero- or-one	true	dateTime	N/A	Unspecified	Timestamp of resource creation (reference: Dublin Core).

dcterms:creator	Zero- or- many	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.</div>
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.</div>

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.
oslc_cm:closed	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.
oslc_cm:closeDate	Zero- or-one	true	dateTime	N/A	Unspecified	The date at which no further activity or work is intended to be conducted.
oslc_cm:fixed	Zero- or-one	unspecified	boolean	N/A	Unspecified	Whether or not the Change Request has been fixed.
cm-v3.0-cs01-part2-change-mgt-vocab		Соруі	ight © OASIS Open 2017. A	ll Rights Reserved.		Whether or not the Change Request in a state indicating that

oslc_cm:inProgress	Zero- or-one	unspecified	boolean	N/A	Unspecified	active work is occurring. If 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: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.
oslc:serviceProvider	Zero- or- many	unspecified	Resource	Reference	oslc:ServiceProvider	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.
oslc:shortTitle	Zero- or-one	unspecified	XMLLiteral	N/A	Unspecified	Short name identifying a resource, often used as an abbreviated identifier for presentation to endusers. SHOULD include only content that is valid inside an XHTML <span> element.</span>
rdf:type	Zero- or- many	unspecified	Resource	Reference	Unspecified	The resource type URIs, at least one of which should be oslc_cm:ChangeRequest.

## 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
oslc_cm:Closed	Completely done, no further fixes or fix verification is needed.
oslc_cm:Inprogress	Active work is occurring.
oslc_cm:Fixed	The issue is resolved or fixed but the resolution or fix has not yet been verified.
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.
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://open-services.net/ns/cm#> .
@prefix dcterms: <http://purl.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";
```

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```
oslc:shortTitle "Bug 2314";
dcterms:title "Invalid installation instructions";
oslc_cm:priority oslc_cm:High;
oslc_cm:severity <a href="http://example.com/enums#S1">http://example.com/enums#S1</a>.

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

# **Appendix A. Change History**

This section is non-normative.

Revision	Date	Editor	Changes Made
01	08/06/2018	IJIM AMSGEN	Committee Specification revsion 01 published