OSLC Change Management Version 3.0. Part 2: Vocabulary

Committee Specification 02

24 August 2018

Specification URIs

This version:

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

Previous version:

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

Latest version:

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

Technical Committee:

OASIS OSLC Lifecycle Integration Domains TC

Chairs:

Copyright © OASIS Open 2018. All Rights Reserved.

Jim Amsden (jamsden@us.ibm.com), IBM
Graham Bachelor (gray_bachelor@uk.ibm.com), IBM

Editors:

Jim Amsden (jamsden@us.ibm.com), IBM
Samuel Padgett (spadgett@us.ibm.com), IBM
Steve Speicher (sspeiche@us.ibm.com), IBM

Additional artifacts:

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

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

Related work:

This specification is related to:

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

RDF Namespaces:

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

Abstract:

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

Status:

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

 Copyright © OASIS Open 2018. All Rights Reserved.

TC members should send comments on this specification to the TC's email list. Others should send comments to the TC's public comment list oslc-domains@lists.oasis-open.org, after subscribing to it by following the instructions at the "Send A Comment" button on the TC's web page at https://www.oasis-open.org/committees/oslc-domains/.

This specification is provided under the RF on Limited Terms Mode of the OASIS IPR Policy, the mode chosen when the Technical Committee was established. For information on whether any patents have been disclosed that may be essential to implementing this specification, and any offers of patent licensing terms, please refer to the Intellectual Property Rights section of the TC's web page (https://www.oasis-open.org/committees/oslc-domains/ipr.php).

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

Citation format:

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

[OSLC-CM-3.0-Part2]
OSLC Change Management Version 3.0. Part 2: Vocabulary. Edited by Jim Amsden, Samuel Padgett, and Steve Speicher. 24 August 2018. OASIS Committee Specification 02 http://docs.oasis-open.org/oslc-domains/cm/v3.0/cs02/part2-change-mgt-vocab/cm-v3.0-cs02-part2-change-mgt-vocab.html. Latest version: http://docs.oasis-open.org/oslc-domains/cm/v3.0/cm-v3.0-part2-change-mgt-vocab.html.

 Copyright © OASIS Open 2018. All Rights Reserved.

Notices

Copyright © OASIS Open 2018. All Rights Reserved.

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

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

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

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

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

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

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

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

 Copyright © OASIS Open 2018. All Rights Reserved.

Table of Contents

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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.

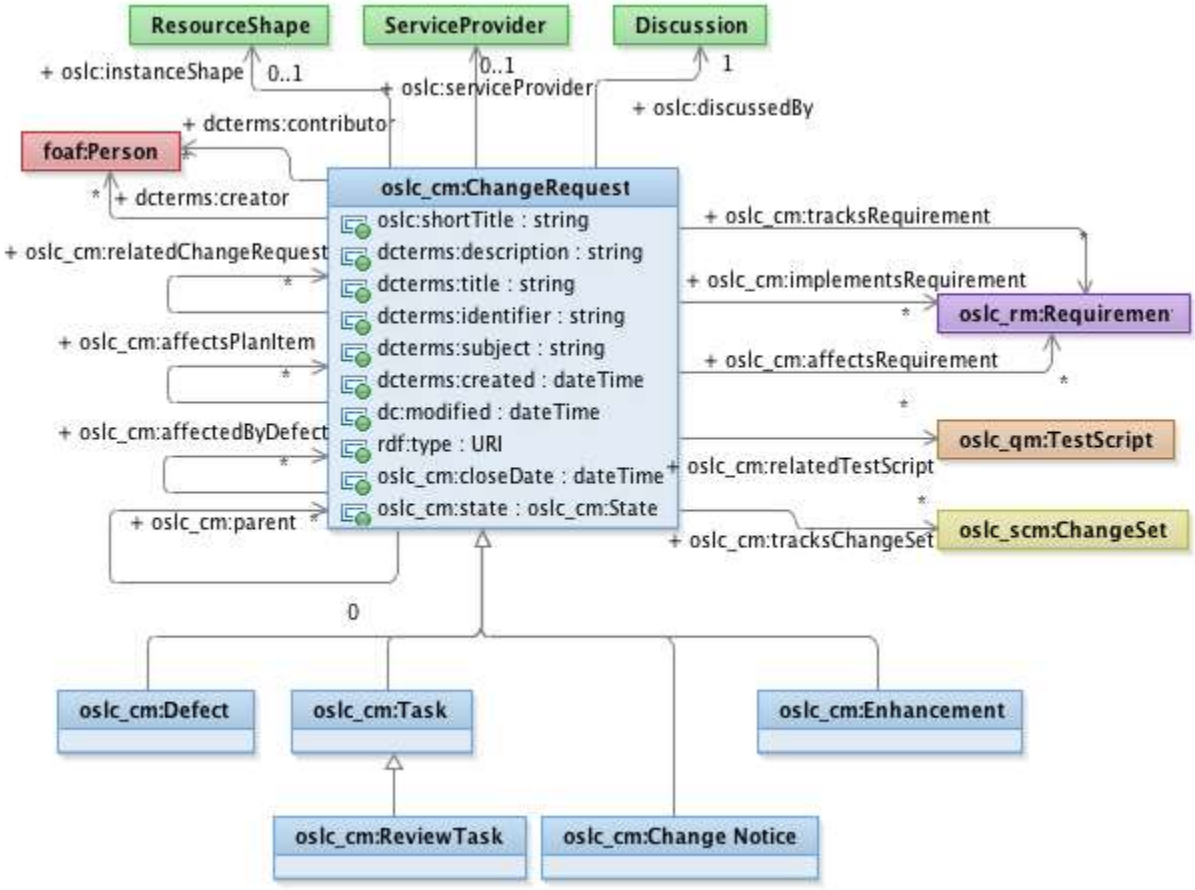

Fig. 1 OSLC Change Management 3.0 Overview

1.1 Terminology

Copyright © OASIS Open 2018. All Rights Reserved.

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

1.2 References

1.2.1 Normative references

[HTTP11]
R. Fielding, Ed.; J. Reschke, Ed.. *Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing*. June 2014. Proposed Standard. URL: https://tools.ietf.org/html/rfc7230

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

[OSLCCore3]
Steve Speicher; Jim Amsden. *OSLC Core Overview v3.0*. Committee Specification. URL: http://docs.oasis-open.org/oslc-core/oslc-core/v3.0/oslc-core-v3.0-part1-overview.html

[RFC2119]
S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. March 1997. Best Current Practice. URL: https://tools.ietf.org/html/rfc2119

1.2.2 Informative references

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

[OSLCRM]
Ian Green. *Open Services for Lifecycle Collaboration Requirements Management Specification Version 2.0*. Final. URL: http://open-services.net/bin/view/Main/RmSpecificationV2

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

1.3 Typographical Conventions and Use of RFC Terms

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

Copyright © OASIS Open 2018. All Rights Reserved.

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]

Copyright © OASIS Open 2018. All Rights Reserved.

2. Change Management Vocabulary Terms

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

2.1 Vocabulary Details

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

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

2.1.1 RDFS Classes in this namespace

ChangeNotice, ChangeRequest, Defect, Enhancement, Priority, ReviewTask, Severity, State, Task

2.1.2 RDF Properties in this namespace

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

2.1.3 ChangeNotice

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

ChangeNotice is an RDFS class.

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

2.1.4 ChangeRequest

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

ChangeRequest is an RDFS class.

The CM Change Request resource.

Copyright © OASIS Open 2018. All Rights Reserved.

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.

Copyright © OASIS Open 2018. All Rights Reserved.

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.

 Copyright © OASIS Open 2018. All Rights Reserved.

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

 Copyright © OASIS Open 2018. All Rights Reserved.

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

 Copyright © OASIS Open 2018. All Rights Reserved.

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.

 Copyright © OASIS Open 2018. All Rights Reserved.

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.

 Copyright © OASIS Open 2018. All Rights Reserved.

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.

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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 element.
dcterms:identifier	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
dcterms:modified	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
dcterms:subject	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a dcterms:subject property denotes an additional tag for the resource.
dcterms:title	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.
oslc_cm:affectedByDefect	Zero-or-many	unspecified	Resource	Reference	oslc_cm:Defect	Change request is affected by a reported defect. It is likely that the target resource will be an oslc_cm:Defect but that is not necessarily the case.

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
						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 value-types and allowed values.

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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 end-users. SHOULD include only content that is valid inside an XHTML element.
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).

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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-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 end-users. SHOULD include only content that is valid inside an XHTML element.

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
oslc_cm:tracksChangeSet	Zero-or-many	unspecified	Resource	Reference	oslc_config:ChangeSet	Tracks a resource that represents a set of changes on the resource.
oslc_cm:verified	Zero-or-one	unspecified	boolean	N/A	Unspecified	Whether or not the resolution or fix of the Change Request has been verified.
oslc:discussedBy	Zero-or-one	unspecified	AnyResource	Either	oslc:Discussion	A series of notes and comments about this change request.
oslc:instanceShape	Zero-or-many	unspecified	Resource	Reference	oslc:ResourceShape	Resource Shape that provides hints as to resource property value-types and allowed values.
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 end-users. SHOULD include only content that is valid inside an XHTML element.
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

Copyright © OASIS Open 2018. All Rights Reserved.

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 element.
dcterms:identifier	Exactly-one	true	string	N/A	Unspecified	A unique identifier for a resource. Assigned by the service provider when a resource is created. Not intended for end-user display.
dcterms:modified	Zero-or-one	true	dateTime	N/A	Unspecified	Timestamp of latest resource modification (reference: Dublin Core).
dcterms:subject	Zero-or-many	unspecified	string	N/A	Unspecified	Tag or keyword for a resource. Each occurrence of a dcterms:subject property denotes an additional tag for the resource.
dcterms:title	Exactly-one	unspecified	XMLLiteral	N/A	Unspecified	Title (reference: Dublin Core) or often a single line summary of the resource represented as rich text in XHTML content. SHOULD include only content that is valid and suitable inside an XHTML element.

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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 end-users. SHOULD include only content that is valid inside an XHTML element.
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).

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
						users. SHOULD include only content that is valid inside an XHTML element.
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 element.

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Prefixed Name	Occurs	Read-only	Value-type	Representation	Range	Description
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 end-users. SHOULD include only content that is valid inside an XHTML element.
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.

Copyright © OASIS Open 2018. All Rights Reserved.

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

3.8 Resource: Priority

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

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

3.9 Resource: Severity

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

NEEDS UPDATE: Improve descriptions.

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

Copyright © OASIS Open 2018. All Rights Reserved.

Range	Description
oslc_cm:SeverityUnassigned	Intentionally set blank.

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

Priority and severity example:

EXAMPLE 1

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

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

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


Copyright © OASIS Open 2018. All Rights Reserved.

Appendix A. Change History

This section is non-normative.

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

Copyright © OASIS Open 2018. All Rights Reserved.