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CASPAR

Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval

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1 INTRODUCTION

1.1 Purpose of this DOCUMENT

This document documents the CASPAR information model interfaces which are based on the OAIS Information Model.





Applicable documents and reference documents

Applicable documents

- [A1] Description of Work, April 2006
[\(\[http://www.casparpreserves.eu/Members/metaware/ReferenceDocuments/caspar-description-of-work/at_download/file\]\(http://www.casparpreserves.eu/Members/metaware/ReferenceDocuments/caspar-description-of-work/at_download/file\)\)](http://www.casparpreserves.eu/Members/metaware/ReferenceDocuments/caspar-description-of-work/at_download/file)

Reference documents

- [R1] CASPAR proposal, Sept 2005

1.2 Glossary

[Ax]	Applicable Document
[Rx]	Reference Document
CASPAR	Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval
DoW	Description of Work
EC	European Commission
EPM	Executive Project Management
IPC	IP Coordinator
IST	Information Society Technologies
PACP	Partner Administrative Contact Point
PO	Project Officer
PPR	Project Progress Report
PQE	Project Quality Engineer
PTCP	Partner Technical Contact Point
R&D	Research and Development
SQE	Stream Quality Engineer
ST	Stream
TN	Technical Note
WP	Work Package
WPL	Work Package Leaders
Designated Community	An identified group of potential Consumers who should be able to understand a particular set of information. The Designated Community may be composed of multiple user communities. (OAIS definition)
Archival Information Package (AIP)	An Information Package, consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an OAIS. (OAIS definition)
Content Information	The set of information that is the original target of preservation. It is an Information Object comprised of its Content Data Object and its Representation Information. An example of Content Information could be a single table of numbers representing, and understandable as, temperatures, but excluding the documentation that would explain its history and origin, how it relates to other observations, etc. (OAIS definition)





Knowledge Base	A set of information, incorporated by a person or system, that allows that person or system to understand received information. (OAIS definition)
Representation Information	The information that maps a Data Object into more meaningful concepts. An example is the ASCII definition that describes how a sequence of bits (i.e., a Data Object) is mapped into a symbol. (OAIS definition)





2 INFOMODEL

Type: **Package**

Status: Approved. Version 1.0. Phase 1.0.

Package: preservedigital

Detail: Created on 03/08/2007. Last modified on 21/08/2007

GUID: {1487599E-E617-4d07-992B-1552DDA4B93A}

Package to contain the interfaces for the basic OAIS Information Model concepts such as Information Object and Information Package. Most of the methods in the interfaces are simple getXXX (and setXXX) where XXX is something with OAIS shows is associated or aggregated in the object..

A small number of additional methods have been added where it seemed useful and appropriate.

These interfaces provide the basic types on which a digital preservation system can be based.

2.1 AccessAid

Type: **Interface**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {1E015829-DE47-48b7-9105-E2F72BA83A04}

OAIS Access Aid: A software program or document that allow Consumers to locate, analyze, and order Archival Information Packages of interest.

Connections

Connector	Source	Target	Notes
<u>Association</u> provide data for Source -> Destination	Public AssociatedDescription	Public AccessAid	
<u>Generalization</u> Source -> Destination	Public FindingAid	Public AccessAid	
<u>Generalization</u> Source -> Destination	Public OrderingAid	Public AccessAid	
<u>Generalization</u> Source -> Destination	Public RetrievalAid	Public AccessAid	





2.2 AccessSoftware

Type: Interface OtherRepresentationInformation

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {79E08A1A-B74C-4bf1-9B2F-33339ED950D8}

OAIS Access Software: Access Software presents some or all of the information content of an Information Object in forms understandable to humans or systems. It may also provide some types of access service, such as displaying, manipulating, processing, or sub-setting, to an Information Object. For some types of Digital Objects, such software may be widely available. It is not necessary for the OAIS to maintain or provide such software. The OAIS may want to maintain and provide this software for more specialized types of Digital Objects.

Since Access software will incorporate some understanding of the Representation Information, some archives may attempt to use Access Software as a substitute for full Representation Information. Access Software source code, which embodies at least a partial understanding of the associated Representation Information, may be used as documentation expressing such Representation Information. A problem with this approach is that the desired Representation Information may not be clearly identifiable as it may be mixed with various processing and display algorithms, and may be incomplete since the code assumes an underlying operating environment. It may be difficult to tell, from the software code, what Representation Information is missing. The use of Access Software executables, without the source code, such as may occur with proprietary formats, presents a much greater risk for loss of information because it is more difficult to maintain an operating environment for software than to migrate documentation over time.

Responsibilities (internal requirements)

- OAIS ACcess Software - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public AccessSoftware	Public OtherRepresentationI nformation	

2.3 ArchivalInformationCollection

Type: Interface ArchivalInformationPackage

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**





Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {5A559B97-1266-48f4-BE97-D29570831B49}

OAIS Archival Information Collection (AIC): An Archival Information Package whose Content Information is an aggregation of other Archival Information Packages.

Responsibilities (internal requirements)

- OAIS Archival Information Collection - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public ArchivalInformation Collection	Public ArchivalInformationP ackage	

2.4 ArchivalInformationPackage

Type: Interface InformationPackage

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 15/08/2007.

GUID: {5F3D84A5-3CDF-4d6a-9A97-F9953AAB0B25}

OAIS Archival Information Package (AIP): An Information Package, consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an OAIS.

Note the AIP is an InformationPackage which must contain PreservationDescriptionInformation.

Responsibilities (internal requirements)

- OAIS Archival Information Package - Functional (Mandatory, Medium difficulty)

Connections



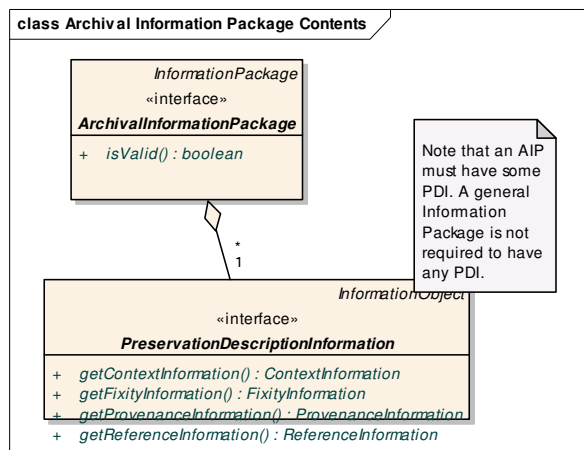


Connector	Source	Target	Notes
Generalization Source -> Destination	Public ArchivalInformationPackage	Public InformationPackage	
Aggregation Source -> Destination	Public PreservationDescriptionInformation	Public ArchivalInformationPackage	
Generalization Source -> Destination	Public ArchivalInformationUnit	Public ArchivalInformationPackage	
Generalization Source -> Destination	Public ArchivalInformationCollection	Public ArchivalInformationPackage	

Operations

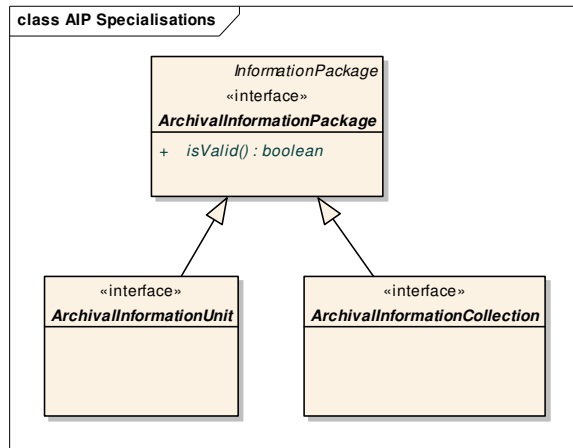
Method	Notes	Parameters
isValid() boolean Public	Returns TRUE if the AIP is valid i.e. has all the required components etc.	

Logical diagram: Archival Information Package Contents



Logical diagram: AIP Specialisations





2.5 ArchivalInformationUnit

Type: Interface ArchivalInformationPackage

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {D568DF22-4502-4b38-BF3C-9D7D33D44A11}

OAIS Archival Information Unit (AIU): An Archival Information Package whose Content Information is not further broken down into other Content Information components, each of which has its own complete Preservation Description Information. It can be viewed as an "atomic" AIP. An example of an AIU would be a table of numbers representing temperatures in a certain region with all the associated documentation describing how and where the temperatures were measured, what instruments were used to make the measurements, who made the measurements, why they were made, what processing has been performed on the measurements and who has had custody of these measurements since they were first created, how the measurements relate to other information, how the measurements can be uniquely referenced by others, etc.

Responsibilities (internal requirements)

- OAIS Archival Information Unit - Functional (*Mandatory, Medium difficulty*)

Connections

Connector	Source	Target	Notes
<u>Generalization</u>	Public	Public	

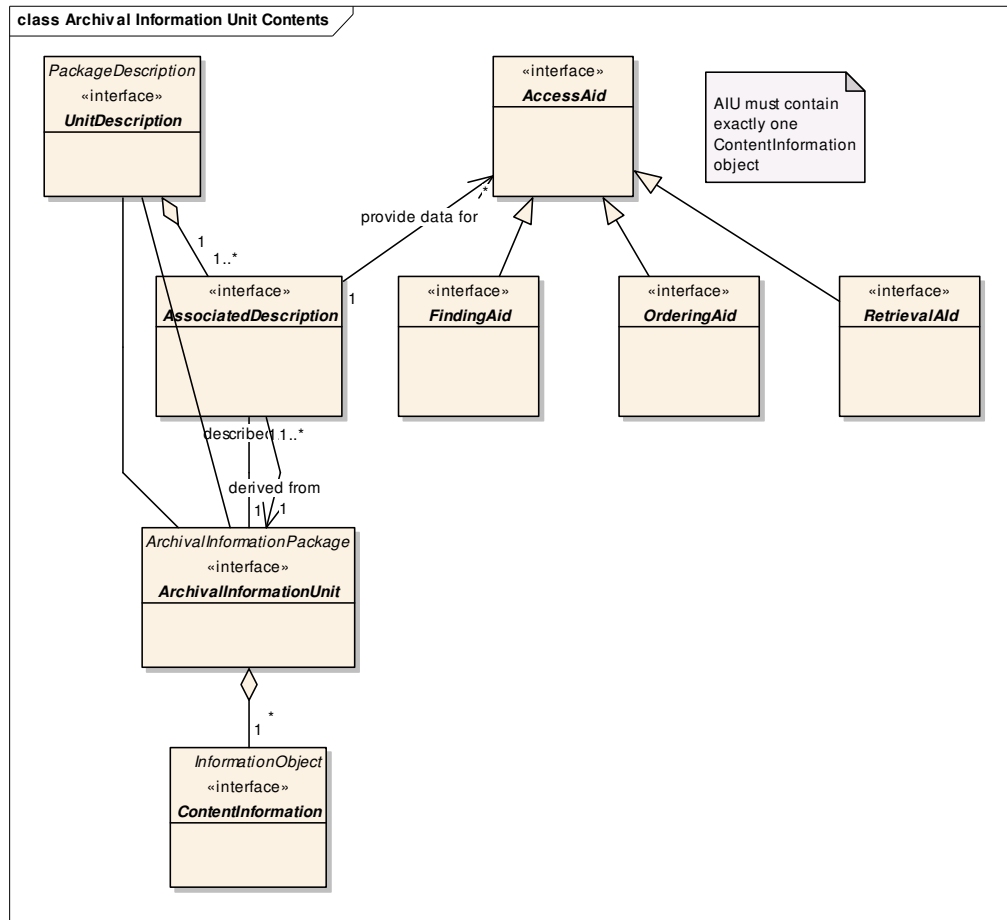




Connector	Source	Target	Notes
Source -> Destination	ArchivalInformation Unit	ArchivalInformationPackage	
<u>Aggregation</u> Source -> Destination	Public ContentInformation	Public ArchivalInformation Unit	
<u>Association</u> Unspecified	Public UnitDescription	Public ArchivalInformation Unit	
<u>Association</u> Unspecified	Public UnitDescription	Public ArchivalInformation Unit	
<u>Association</u> derived from Source -> Destination	Public AssociatedDescription	Public ArchivalInformation Unit	
<u>Association</u> described by Unspecified	Public ArchivalInformation Unit	Public AssociatedDescription	

Logical diagram: Archival Information Unit Contents





2.6 AssociatedDescription

Type: **Interface**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {6DFF4DB6-78E7-47f4-BCD5-4A79AB4B13DC}

OAIS Associated Description: The information describing the content of an Information Package from the point of view of a particular Access Aid.

Connections

Connector	Source	Target	Notes
Aggregation	Public	Public	





Connector	Source	Target	Notes
Source -> Destination	AssociatedDescription	UnitDescription	
<u>Association</u> derived from Source -> Destination	Public AssociatedDescription	Public ArchivalInformation Unit	
<u>Association</u> described by Unspecified	Public ArchivalInformation Unit	Public AssociatedDescription	
<u>Association</u> provide data for Source -> Destination	Public AssociatedDescription	Public AccessAid	

2.7 BitSequence

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {AA69556C-C142-4947-A762-0EC7BC63D3F3}

OAIS Bit Sequence

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public BitSequence	Public DigitalObject	

2.8 ClassificationConcept

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*





Detail: Created on 17/08/2007. Last modified on 17/08/2007.

GUID: {EB6BC85D-31C7-437e-84C4-7AC6EBD80D26}

The Classification concept, consisting of an ordered list of Concepts, starting with the ClassificationScheme and ending with the leaf Concept, with intermediate values being the path between the start and end.

Operations

Method	Notes	Parameters
getConceptPath() List<Concept> Public	The list of Concepts which define the full classification path	
getConceptPath() void Public		List<Concept> [in] conpath

2.9 Classification

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {B46BED8A-1493-463b-BE3B-0AA4AFDC3F89}

Classification for Representation Information

Operations

Method	Notes	Parameters
getClassification() Classification[] Public		
setClassification() void Public		Classification[] [in] classification





2.10 CollectionDescription

Type: Interface PackageDescription

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {B48BEEB1-8306-4dd8-A179-05160108E524}

OAIS Collection Description: A type of Package Description that is specialized to provide information about an Archival Information Collection for use by Access Aids.

Responsibilities (internal requirements)

- OAIS Collection Description - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public CollectionDescription	Public PackageDescription	

2.11 Concept

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 17/08/2007. Last modified on 17/08/2007.

GUID: {9227D81D-8586-435b-BB61-6E46345466A4}

Concepts used in the classification of RepresentationInformation

Operations

Method	Notes	Parameters
getDescription() String Public	Text description of the concept	
getName() String	Name of the Concept	





Method	Notes	Parameters
Public		
setDescription() void Public	Set the text description of the concept	String [in] descr
setName() void Public		String [in] name

2.12 ContentInformation

Type: **Interface** **InformationObject**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {8BE17F62-BDA0-410d-ACEF-432B690C3705 }

OAIS Content Information: The set of information that is the original target of preservation. It is an Information Object comprised of its Content Data Object and its Representation Information. An example of Content Information could be a single table of numbers representing, and understandable as, temperatures, but excluding the documentation that would explain its history and origin, how it relates to other observations, etc.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public RepresentationInformation	Public ContentInformation	
<u>Generalization</u> Source -> Destination	Public ContentInformation	Public InformationObject	
<u>Aggregation</u> Source -> Destination	Public ContentInformation	Public InformationPackage	
<u>Association</u> further described by Source -> Destination	Public ContentInformation	Public PreservationDescriptionInformation	





Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public ContentInformation	Public ArchivalInformation Unit	

2.13 ContextInformation

Type: **Interface** **InformationObject**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {D8088B9F-0FC2-40e1-AA41-C78DE0752D89}

OAIS Context Information: This information documents the relationships of the Content Information to its environment. This includes why the Content Information was created and how it relates to other Content Information objects existing elsewhere.

Responsibilities (internal requirements)

- OAIS Context Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public ContextInformation	Public PreservationDescripti onInformation	
<u>Generalization</u> Source -> Destination	Public ContextInformation	Public InformationObject	

2.14 CurationPersistentIdentifier

Type: **Interface** **PersistentIdentifier**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*





Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {340EBAB1-987C-4c10-B8A7-C1430055F403}

Actionable identifier which will allow a copy of the object to be found over the long term.

Note that if a CPID enables a DataObject to be retrieved then these bytes are assumed to be the same whatever the particular source, apart from the Provenance and Fixity which may be associated with the ContentInformation. It is NOT mandatory to check this euqlity from all retrievable copies.

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public CurationPersistentIdentifier	Public PersistentIdentifier	

2.15 DataObject

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {5A488A22-9FE1-4017-BC83-76043D9F1969}

The OAIS Data Object [OAIS section 4.2.1.2] may be expressed as either a physical object (e.g., a moon rock) together with some Representation Information, or it may be expressed as a digital object (i.e., a sequence of bits) together with the Representation Information giving meaning to those bits.

Responsibilities (internal requirements)

- OAIS Data Object - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public DigitalObject	Public DataObject	





Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public DataObject	Public InformationObject	
<u>Generalization</u> Source -> Destination	Public PhysicalObjectLocator	Public DataObject	
<u>Association</u> Interpreted using Source -> Destination	Public DataObject	Public RepresentationInformation	The Data Object is interpreted using the Representation Information

2.16 DescriptiveInformation

Type: **Interface** **InformationObject**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {4B986BDC-D73C-4d40-ADEF-0DC17995D81A}

OAIS Descriptive Information: The set of information, consisting primarily of Package Descriptions, which is provided to Data Management to support the finding, ordering, and retrieving of OAIS information holdings by Consumers.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public DescriptiveInformation	Public InformationObject	

Operations

Method	Notes	Parameters
getDescription() String Public	Text version of the set of information, consisting primarily of Package Descriptions, which is provided to Data Management to support the finding,	





Method	Notes	Parameters
	ordering, and retrieving of OAIS information holdings by Consumers.	
setDescription() void Public	Text version of the set of information, consisting primarily of Package Descriptions, which is provided to Data Management to support the finding, ordering, and retrieving of OAIS information holdings by Consumers.	String [in] descr

2.17 DigitalObject

Type: **Interface** **DataObject**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {0C039DC6-3D68-4efd-95DD-6924E0BE40D9}

An OAIS Digital Object defined as an object composed of a set of bit sequences.

Responsibilities (internal requirements)

- OAIS Digital Object - Functional (*Mandatory, Medium difficulty*)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public DigitalObject	Public DataObject	
<u>Aggregation</u> Source -> Destination	Public BitSequence	Public DigitalObject	

Operations

Method	Notes	Parameters
--------	-------	------------





Method	Notes	Parameters
getDataResource() DataResource Public	Get access to the bit sequences	
getInformationObjects() Collection<InformationObject> Public	<p>Get access to Collection which allows access to any contained information objects (if any).</p> <p>Returns null if it is not possible to identify such InformationObjects</p> <p>In principle the system should look at the Representation Information associated with the Data Object in order to figure out whether or not this set of bit sequences can be regarded as a collection of InformationObjects, and if so how it can be iterated through.</p> <p>Example: A DigitalObject instance may be a zip file containing various files (Word, FITS, etc) all with their own Representation Information. The Representation Information for the zip file provides enough details on how to unzip the file and how to associate the files with the appropriate Representation Information. Applying getInformationObjects to the DataObject returns a collection of InformationObjects consisting of the Word file plus its RepInfo, the FITS file with its RepresentationInformation etc.</p>	
setDataResource() void Public		DataResource [in] dataResource
setInformationObjects() void Public	Provide a Collection of InformationObjects which make up the DigitalObject	Collection<InformationObject> [in] infoObjects

2.18 DisseminationInformationPackage

Type: **Interface** **InformationPackage**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {87BCB860-6472-4111-AAAB-8A915CFB7779}





OAIS Dissemination Information Package (DIP): The Information Package, derived from one or more AIPs, received by the Consumer in response to a request to the OAIS.

Responsibilities (internal requirements)

- OAIS Dissemination Information Package - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public DisseminationInform ationPackage	Public InformationPackage	

2.19 FindingAid

Type: Interface AccessAid

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {5B5B170F-B489-4096-BE30-8BA68BFEC34A}

OAIS Finding Aid: A type of Access Aid that allows a user to search for and identify Archival Information Packages of interest.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public FindingAid	Public AccessAid	

2.20 FixityInformation

Type: Interface InformationObject





Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {521D6A1A-A8F8-4d4a-9863-A0DA299FDD49}

OAIS Fixity Information: This information provides the Data Integrity checks or Validation/Verification keys used to ensure that the particular Content Information object has not been altered in an undocumented manner. Fixity Information includes special encoding and error detection schemes that are specific to instances of Content Objects. Fixity Information does not include the integrity preserving mechanisms provided by the OAIS underlying services, error protection supplied by the media and device drivers used by Archival Storage. The Fixity Information may specify minimum quality of service requirements for these mechanisms.

Responsibilities (internal requirements)

- OAIS Fixity Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public FixityInformation	Public PreservationDescriptionInformation	
<u>Generalization</u> Source -> Destination	Public FixityInformation	Public InformationObject	

2.21 Identifier

Type: Interface `java.lang.Comparable`

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 15/08/2007.

GUID: {728DDC22-7699-4a19-BFF8-7D22C2666CD5}

General Identifier which provides access to a Collection of Locators





Connections

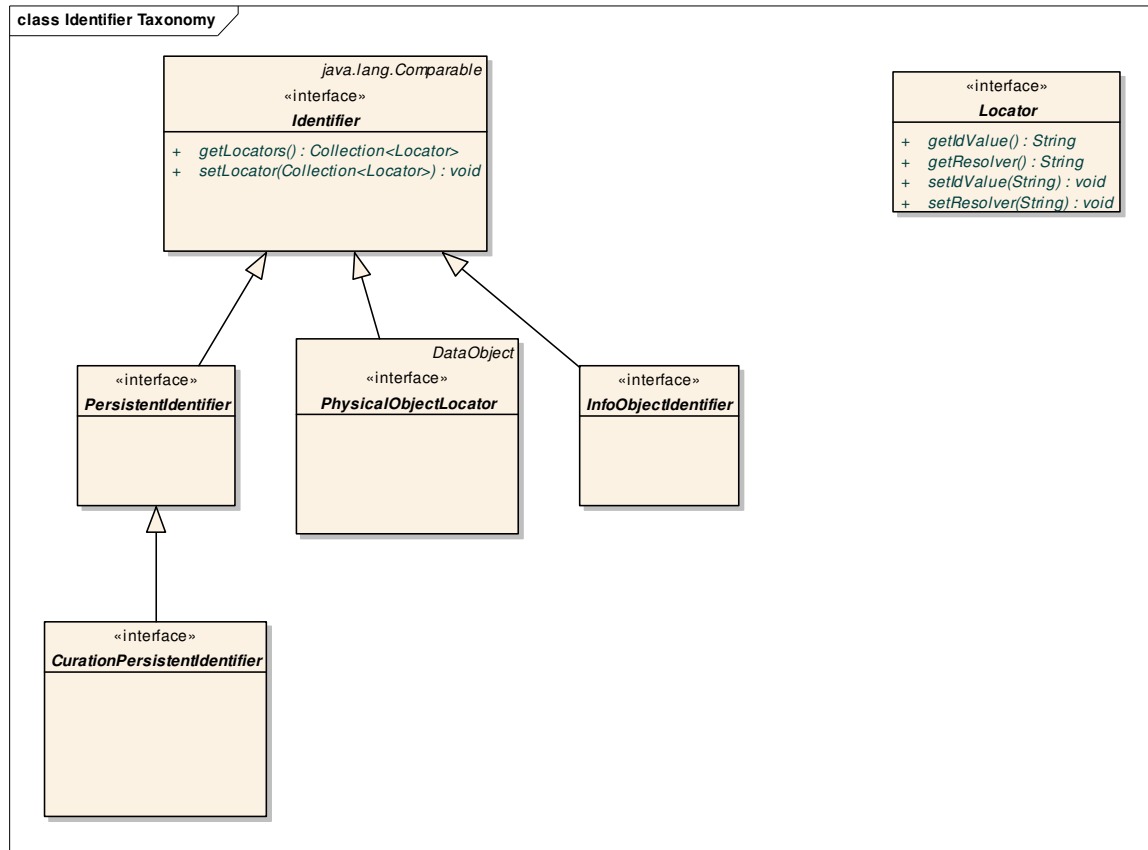
Connector	Source	Target	Notes
Generalization Source -> Destination	Public PhysicalObjectLocator	Public Identifier	
Generalization Source -> Destination	Public InfoObjectIdentifier	Public Identifier	
Generalization Source -> Destination	Public PersistentIdentifier	Public Identifier	

Operations

Method	Notes	Parameters
getLocators() Collection<Locator> Public		
setLocator() void Public		Collection<Locator> [in] locators

Logical diagram: Identifier Taxonomy





2.22 InfoObjectIdentifier

Type: **Interface Identifier**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {007B41FF-4E33-44ad-86E6-C044284A9FEC}

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public InfoObjectIdentifier	Public Identifier	





2.23 InformationObject

Type: Interface

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 21/08/2007.

GUID: {5FA4AB1B-AAC0-494e-88EE-E7FA642C6B38}

The OAIS Information Object [OAIS section 4.2.1.1] is composed of a Data Object that is either physical or digital, and the Representation Information that allows for the full interpretation of the data into meaningful information. This model is valid for all the types of information in an OAIS.

Note that here the InformationObject is simply a way of connecting the DataObject to its RepresentationInformation, it does not at this level of abstraction imply that the InformationObject is itself the "information" which is usable by the Designated Community, That "information" results from the instance-specific combination of the DataObject with its RepresentationInformation.

Responsibilities (internal requirements)

- OAIS Information Object, valid for all types of information in an OAIS. - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public RepresentationInformation	Public InformationObject	
<u>Aggregation</u> Source -> Destination	Public DataObject	Public InformationObject	
<u>Generalization</u> Source -> Destination	Public ContentInformation	Public InformationObject	
<u>Generalization</u> Source -> Destination	Public PreservationDescriptionInformation	Public InformationObject	





Connector	Source	Target	Notes
Generalization Source -> Destination	Public PackagingInformation	Public InformationObject	
Generalization Source -> Destination	Public DescriptiveInformation	Public InformationObject	
Generalization Source -> Destination	Public FixityInformation	Public InformationObject	
Generalization Source -> Destination	Public ContextInformation	Public InformationObject	
Generalization Source -> Destination	Public ProvenanceInformation	Public InformationObject	
Generalization Source -> Destination	Public ReferenceInformation	Public InformationObject	

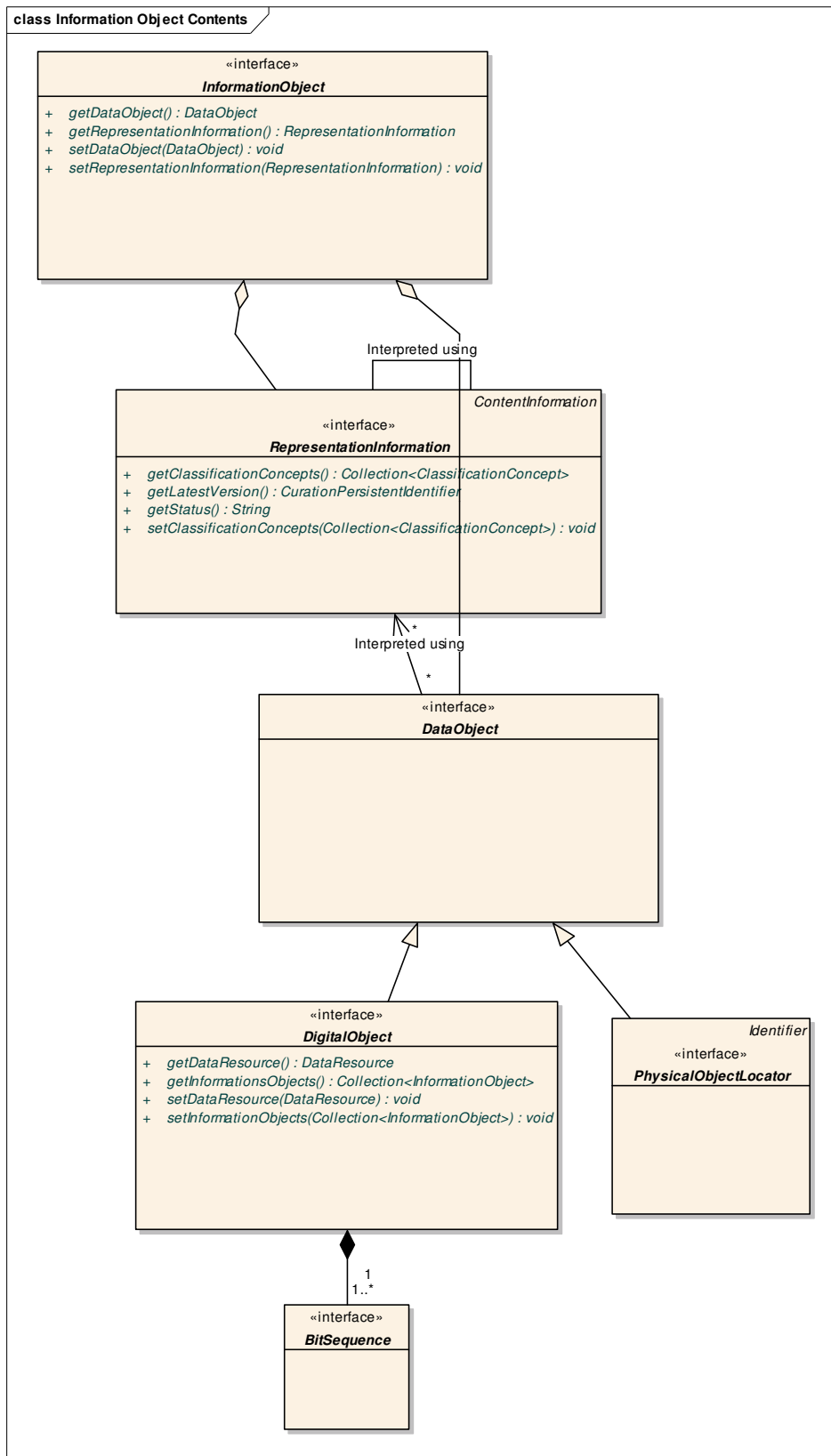
Operations

Method	Notes	Parameters
getDataObject() DataObject Public		
getRepresentationInformation() RepresentationInformation Public		
setDataObject() void Public		DataObject [in] dataObject
setRepresentationInformation() void Public		RepresentationInformation [in] repInfo



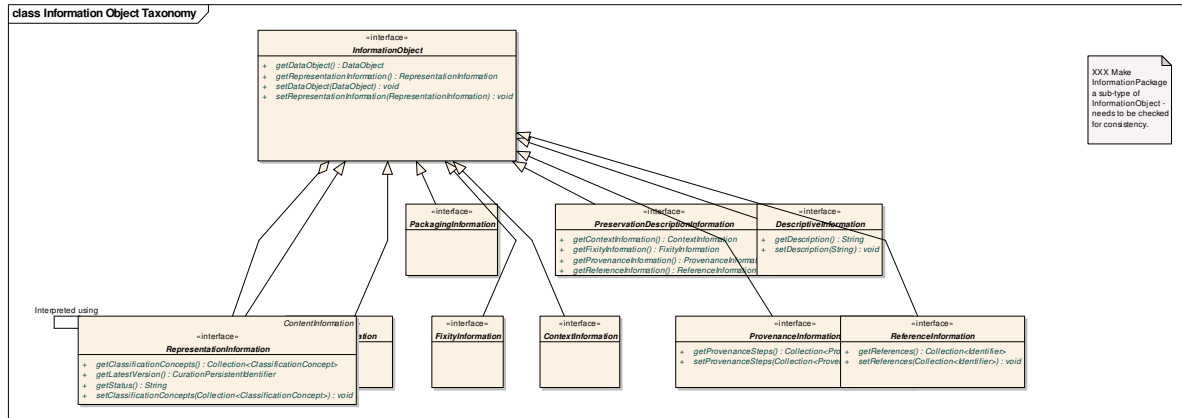


Logical diagram: Information Object Contents





Logical diagram: Information Object Taxonomy



2.24 InformationPackage

Type: **Interface** `java.lang.Comparable`

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {D242A386-57D6-4e97-9BC7-E640A49C6A2C}

An OAIS Information Package is a container that contains two types of Information Objects, the Content Information and the Preservation Description Information (PDI); the Information Package can be associated with two other types of Information Objects, Packaging Information and Package Descriptions.

InformationPackage implements the `java.lang.Comparable` interface which means that two InformationPackages may be compared and, where possible, the output from `compareTo()` will show whether one is a later version of the other.

Responsibilities (internal requirements)

- OAIS Information Package - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
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Connector	Source	Target	Notes
Generalization Source -> Destination	Public RepresentationInformationPackage	Public InformationPackage	
Aggregation Source -> Destination	Public ContentInformation	Public InformationPackage	
Aggregation Source -> Destination	Public PreservationDescriptionInformation	Public InformationPackage	
Association delimited by Source -> Destination	Public InformationPackage	Public PackagingInformation	
Association identifies Source -> Destination	Public PackagingInformation	Public InformationPackage	
Association described by Source -> Destination	Public InformationPackage	Public PackageDescription	
Association derived from Source -> Destination	Public PackageDescription	Public InformationPackage	
Generalization Source -> Destination	Public SubmissionInformationPackage	Public InformationPackage	
Generalization Source -> Destination	Public DisseminationInformationPackage	Public InformationPackage	
Generalization Source -> Destination	Public ArchivalInformationPackage	Public InformationPackage	

Operations

Method	Notes	Parameters
--------	-------	------------

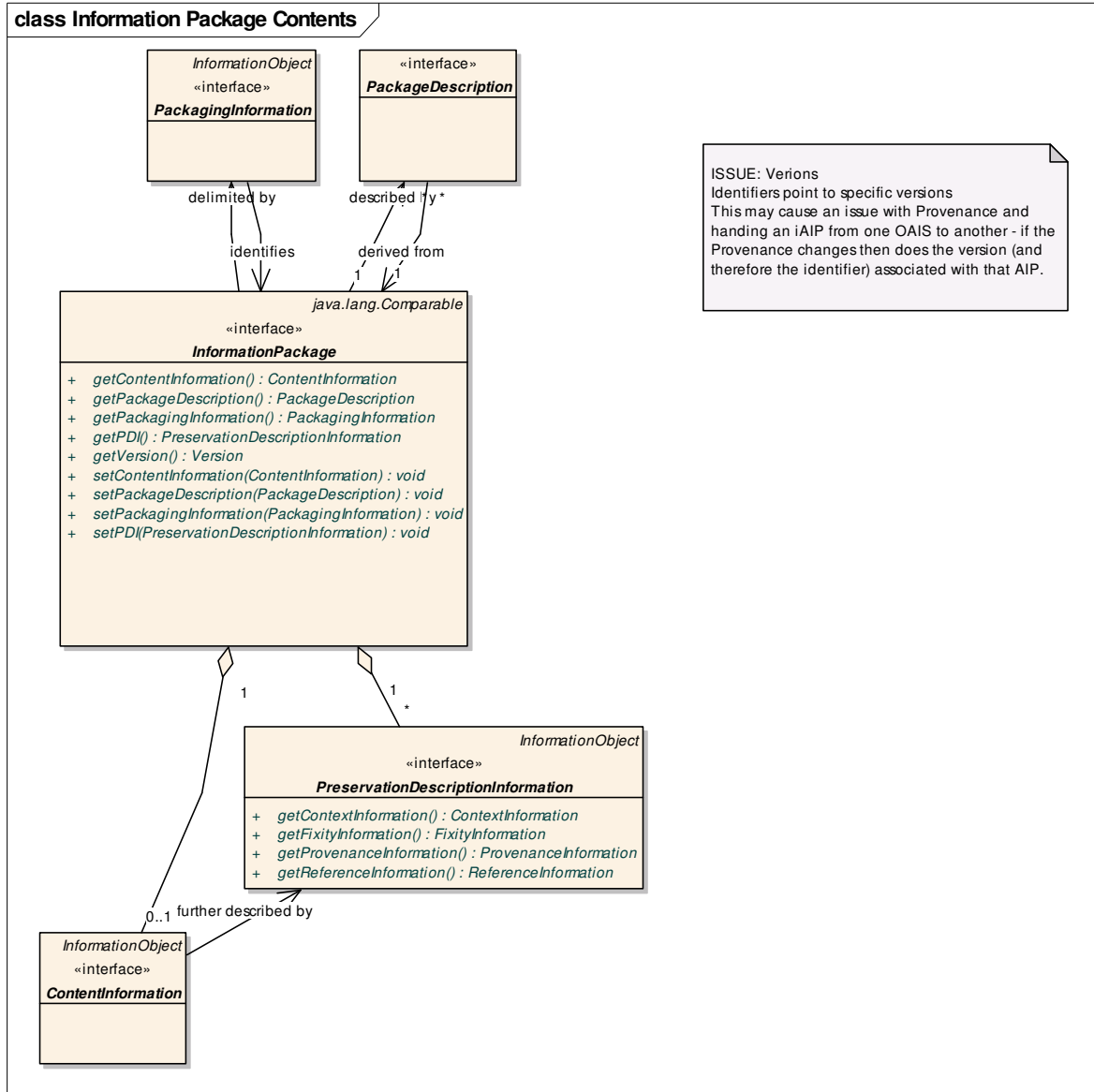




Method	Notes	Parameters
getContentInformation () ContentInformation Public		
getPackageDescription () PackageDescription Public		
getPackagingInformation () PackagingInformation Public		
getPDI () PreservationDescriptionInformation Public		
getVersion () Version Public	An opaque object which may be used by the Comparable interface	
setContentInformation () void Public		ContentInformation [in] contentInformation
setPackageDescription () void Public		PackageDescription [in] packageDescription
setPackagingInformation () void Public		PackagingInformation [in] packagingInformation
setPDI () void Public		PreservationDescriptionInformation [in] pdi

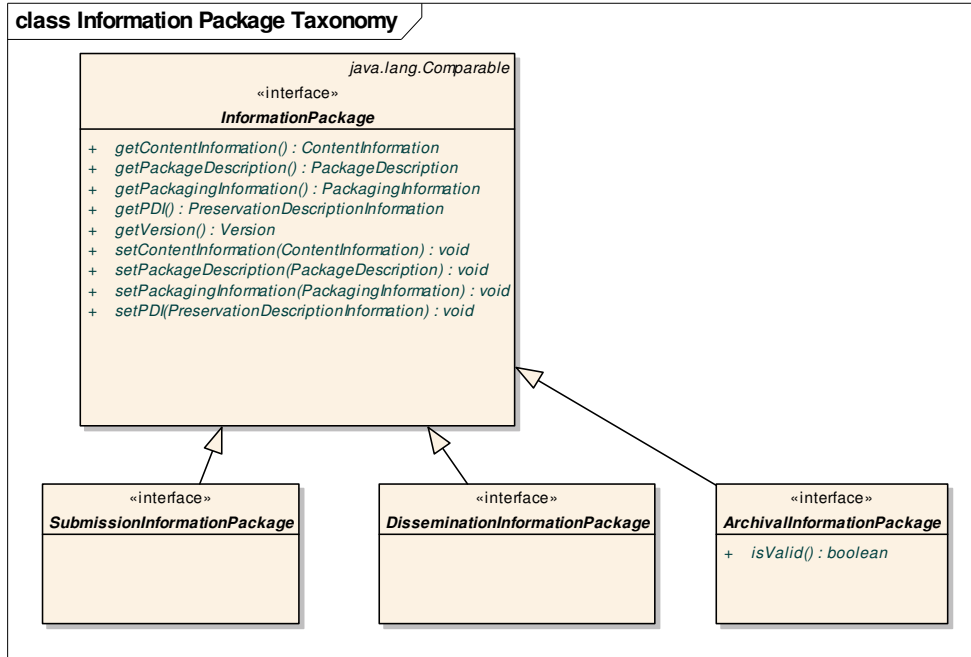
Logical diagram: Information Package Contents





Logical diagram: Information Package Taxonomy





2.25 Locator

Type: **Interface**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {582DC9B1-09FA-4b52-86EC-9E2688615854}

A locator provides a pair: resolvername and resolvervalue which may provide an actionable way to locate a copy of an object.

Operations

Method	Notes	Parameters
getIdValue() String Public		
getResolver() String Public		
setIdValue() void Public		String [in] idValue





Method	Notes	Parameters
setResolver() void Public		String [in] resolver

2.26 OrderingAid

Type: **Interface** **AccessAid**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {5BCB35C8-64D8-412a-B9EF-FBA4043B33AD}

OAIS Ordering Aid: An application that assists the Consumer in discovering the cost of, and in ordering, AIPs of interest.

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public OrderingAid	Public AccessAid	

2.27 OtherRepresentationInformation

Type: **Interface** **RepresentationInformation**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {2DB9C5DE-2373-4e2a-9EBA-AEEE0D3823A6}

OAIS "Other" Representation Information

Responsibilities (internal requirements)

- OAIS Other Representation Information - **Functional** (Mandatory, Medium difficulty)





Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public OtherRepresentationInformation	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public OtherRepresentationInformation	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public RepresentationRenderingSoftware	Public OtherRepresentationInformation	
<u>Generalization</u> Source -> Destination	Public AccessSoftware	Public OtherRepresentationInformation	

2.28 PackageDescription

Type: **Interface**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {9933E054-628A-45ca-A105-7832EEB555FD}

OAIS Package Description: The information intended for use by Access Aids.

Responsibilities (internal requirements)

- OAIS Package Description - Functional (Mandatory, Medium difficulty)

Connections

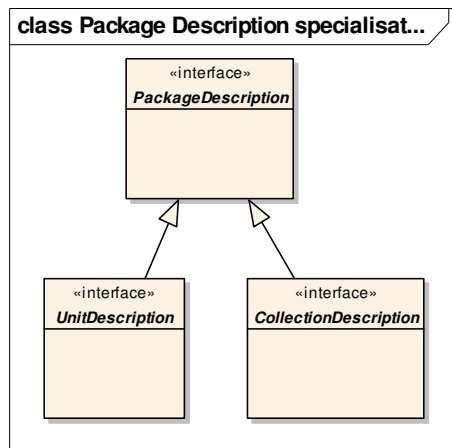
Connector	Source	Target	Notes
<u>Association</u> described	Public	Public	





Connector	Source	Target	Notes
by Source -> Destination	InformationPackage	PackageDescription	
Association derived from Source -> Destination	Public PackageDescription	Public InformationPackage	
Generalization Source -> Destination	Public UnitDescription	Public PackageDescription	
Generalization Source -> Destination	Public CollectionDescription	Public PackageDescription	

Logical diagram: Package Description specialisation



2.29 PackagingInformation

Type: Interface InformationObject

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {A8A8BD31-AEAC-4448-9EB0-54E12CEDD140}

OAIS Packaging Information: The information that is used to bind and identify the components of an Information Package. For example, it may be the ISO 9660 volume and directory information used on a CD-ROM to provide the content of several files containing Content Information and Preservation Description Information.





The Packaging Information is that information which, either actually or logically, binds or relates the components of the package into an identifiable entity on specific media. For example, if the Content Information and PDI are identified as being the content of specific files on a CD-ROM, then the Packaging Information may include the ISO 9660 volume/file structure on the CD-ROM. These choices are the subject of local archive definitions or conventions. The Packaging Information does not necessarily need to be preserved by an OAIS since it does not contribute to the Content Information or the PDI. However, there are cases where the OAIS may be required to reproduce the original submission exactly. In this case the Content Information is defined to include all the bits submitted.

The OAIS should also avoid holding PDI or Content Information only in the naming conventions of directory or file name structures. These structures are most likely to be used as Packaging Information. Packaging Information is not preserved by Migration. Any information saved in file names or directory structures may be lost when the Packaging Information is altered. The subject of Packaging Information is an important consideration to the Migration of Information within an OAIS to newer media.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public PackagingInformation	Public InformationObject	
<u>Association</u> delimited by Source -> Destination	Public InformationPackage	Public PackagingInformation	
<u>Association</u> identifies Source -> Destination	Public PackagingInformation	Public InformationPackage	

2.30 PersistentIdentifier

Type: **Interface** **Identifier**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {1B72709B-CF3B-41e1-AFA1-2DF1D3C46B3D}





Responsibilities (internal requirements)

- Some objects must be able to be identified (located) over the long term - Functional (*Proposed, Medium difficulty*)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public PersistentIdentifier	Public Identifier	
<u>Generalization</u> Source -> Destination	Public CurationPersistentIdentifier	Public PersistentIdentifier	

2.31 PhysicalObjectLocator

Type: Interface DataObject, Identifier

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {A8484DB7-D13A-4438-B94A-AC6B00D6E375}

An Identifier which provides the location of a physical object. The OAIIS Physical Object is defined as: An object (such as a moon rock, bio-specimen, microscope slide) with physically observable properties that represent information that is considered suitable for being adequately documented for preservation, distribution, and independent usage.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public PhysicalObjectLocator	Public DataObject	
<u>Generalization</u> Source -> Destination	Public PhysicalObjectLocator	Public Identifier	





2.32 PreservationDescriptionInformation

Type: Interface InformationObject

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {351B12B7-510A-4f65-846E-EF1435E667C1}

OAIS Preservation Description Information (PDI): The information which is necessary for adequate preservation of the Content Information and which can be categorized as Provenance, Reference, Fixity, and Context information.

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public PreservationDescriptionInformation	Public InformationObject	
<u>Aggregation</u> Source -> Destination	Public FixityInformation	Public PreservationDescriptionInformation	
<u>Aggregation</u> Source -> Destination	Public ReferenceInformation	Public PreservationDescriptionInformation	
<u>Aggregation</u> Source -> Destination	Public ContextInformation	Public PreservationDescriptionInformation	
<u>Aggregation</u> Source -> Destination	Public ProvenanceInformation	Public PreservationDescriptionInformation	
<u>Aggregation</u> Source -> Destination	Public PreservationDescriptionInformation	Public InformationPackage	
<u>Association</u> further	Public	Public	



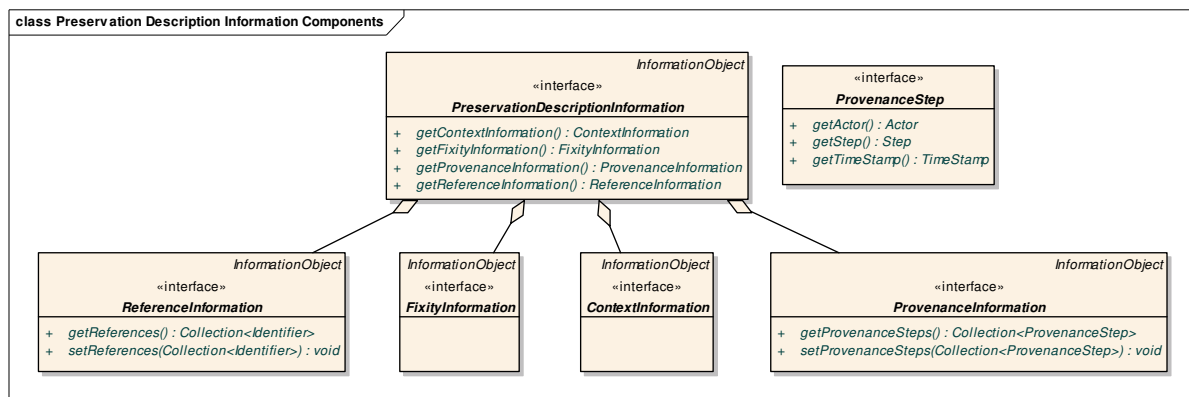


Connector	Source	Target	Notes
described by Source -> Destination	ContentInformation	PreservationDescriptionInformation	
Aggregation Source -> Destination	Public PreservationDescriptionInformation	Public ArchivalInformationPackage	

Operations

Method	Notes	Parameters
getContextInformation() ContextInformation Public		
getFixityInformation() FixityInformation Public		
getProvenanceInformation() ProvenanceInformation Public		
getReferenceInformation() ReferenceInformation Public		

Logical diagram: Preservation Description Information Components





2.33 PreserveableMessage

Type: Interface SubmissionInformationPackage

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 20/08/2007. Last modified on 21/08/2007.

GUID: {93CCDE3F-041E-4f49-847A-DF41B3BDFF19}

Base type for any message which may be transmitted but may not be acted upon for possible a long period of time - one long enough that the message interpretations support software may have changed. This requires that the message is preserved in a way that means it will be usable over the long-term. It thus needs to be a specialisation of an SIP which can be converted into an AIP if needed.

Responsibilities (internal requirements)

- Some messages between components will need to be preserveable over the long-term. - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public PreserveableMessage	Public SubmissionInformationPackage	

Operations

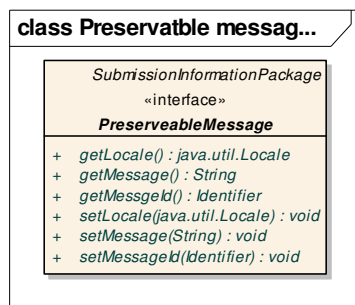
Method	Notes	Parameters
getLocale() java.util.Locale Public	Locale for the text in Message	
getMessage() String Public	The simplest type of message has ContentInformation which is a text message.	
getMessageId() Identifier Public	The message may have an associated identifier which may be used to obtain the message in other languages.	
setLocale() void Public	Set the Locale for the text Message.	java.util.Locale [in] loc





Method	Notes	Parameters
setMessage() void Public	Simple text message	String [in] msg
setMessageId() void Public	Set the identifier which may point to the message in alternative languages.	Identifier [in] msgid

Logical diagram: Preservatble message structure



2.34 ProvenanceInformation

Type: Interface InformationObject

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {4D1281B1-F614-44d7-A4D7-765D4F02FEDF}

OAIS Provenance Information: This information documents the history of the Content Information. This tells the origin or source of the Content Information, any changes that may have taken place since it was originated, and who has had custody of it since it was originated. This gives future users some assurance as to the likely reliability of the Content Information. Provenance can be viewed as a special type of context information.

Responsibilities (internal requirements)

- OAIS Provenance Information - Functional (Mandatory, Medium difficulty)





Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public ProvenanceInformation	Public PreservationDescriptionInformation	
<u>Generalization</u> Source -> Destination	Public ProvenanceInformation	Public InformationObject	

Operations

Method	Notes	Parameters
getProvenanceSteps() Collection<ProvenanceStep> Public	Return a Collection of Provenance steps	
setProvenanceSteps() void Public		Collection<ProvenanceStep> [in] steps

2.35 ProvenanceStep

Type: **Interface**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 17/08/2007. Last modified on 17/08/2007.

GUID: {E6F72156-DFCA-4808-ACE6-BDFBA9A1F637}

A ProvenanceStep records one action (step) which has been performed (by an Actor) on the object at time specified by a TimeStamp

Operations

Method	Notes	Parameters
getActor() Actor Public	The Actor who performed the action/step	
getStep() Step	The action or step which was carried out	





Method	Notes	Parameters
Public		
getTimeStamp() TimeStamp Public	The TimeStamp for the action/step	

2.36 ReferenceInformation

Type: **Interface** **InformationObject**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {06AFEFA6-E304-43fa-95DB-C487B0E6EEBB}

OAIS Reference Information: This information identifies, and if necessary describes, one or more mechanisms used to provide assigned identifiers for the Content Information. It also provides those identifiers that allow outside systems to refer, unambiguously, to this particular Content Information. Examples of these systems include taxonomic systems, reference systems and registration systems. In the OAIS Reference Model most if not all of this information is replicated in Package Descriptions, which enable Consumers to access Content Information of interest.

Responsibilities (internal requirements)

- OAIS Reference Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
Aggregation Source -> Destination	Public ReferenceInformation	Public PreservationDescriptionInformation	
Generalization Source -> Destination	Public ReferenceInformation	Public InformationObject	

Operations

Method	Notes	Parameters
getReferences()	Returns a set of identifiers for the	





Method	Notes	Parameters
Collection<Identifier> Public	ContentInformation object to which the PDI refers.	
setReferences() void Public		Collection<Identifier> [in] refs

2.37 RepInfoLabel

Type: **Interface** **RepresentationInformation**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {84F4B6B5-8857-4259-91B6-D9235FE53298}

A special type of RepresentationInformation which contains pointers to a number of other pieces of RepresentationInformation grouped according to one or more ClassificationSchemes

Responsibilities (internal requirements)

- Increase automated identification of appropriate Representation Information - **Functional**
(Proposed, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public RepresentationInform ation	Public RepInfoLabel	
<u>Generalization</u> Source -> Destination	Public RepInfoLabel	Public RepresentationInform ation	

Operations

Method	Notes	Parameters
getDOM()		





Method	Notes	Parameters
org.w3c.org.Document Public		
setDOM() void Public		org.w3c.doc.Document [in] doc

2.38 RepresentationInformation

Type: **Interface** **ContentInformation**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 15/08/2007.

GUID: {66EC9E71-C933-41b0-AF27-50E7A9A377A6}

The OAIS Representation Information [OAIS section 4.2.1.3]:

The Representation Information accompanying a physical object like a moon rock may give additional meaning, as a result of some analysis, to the physically observable attributes of the rock. This information may have been developed over time and the results, if provided, would be part of the Information Object.

The Representation Information accompanying a digital object, or sequence of bits, is used to provide additional meaning. It typically maps the bits into commonly recognized data types such as character, integer, and real and into groups of these data types. It associates these with higher-level meanings that can have complex inter-relationships that are also described.

Responsibilities (internal requirements)

- OAIS Representation Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public RepresentationInform ation	Public InformationObject	
<u>Aggregation</u> Source -> Destination	Public RepresentationInform ation	Public RepresentationInform ationPackage	





Connector	Source	Target	Notes
<u>Generalization</u> Source -> Destination	Public RepresentationInformation	Public ContentInformation	
<u>Aggregation</u> Source -> Destination	Public RepresentationInformation	Public RepInfoLabel	
<u>Aggregation</u> Source -> Destination	Public SemanticRepInfo	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public SemanticRepInfo	Public RepresentationInformation	
<u>Aggregation</u> Source -> Destination	Public StructureRepInfo	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public StructureRepInfo	Public RepresentationInformation	
<u>Aggregation</u> Source -> Destination	Public OtherRepresentationInformation	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public OtherRepresentationInformation	Public RepresentationInformation	
<u>Association</u> Interpreted using Source -> Destination	Public DataObject	Public RepresentationInformation	The Data Object is interpreted using the Representation Information
<u>Association</u> Interpreted using Unspecified	Public RepresentationInformation	Public RepresentationInformation	
<u>Generalization</u>	Public	Public	





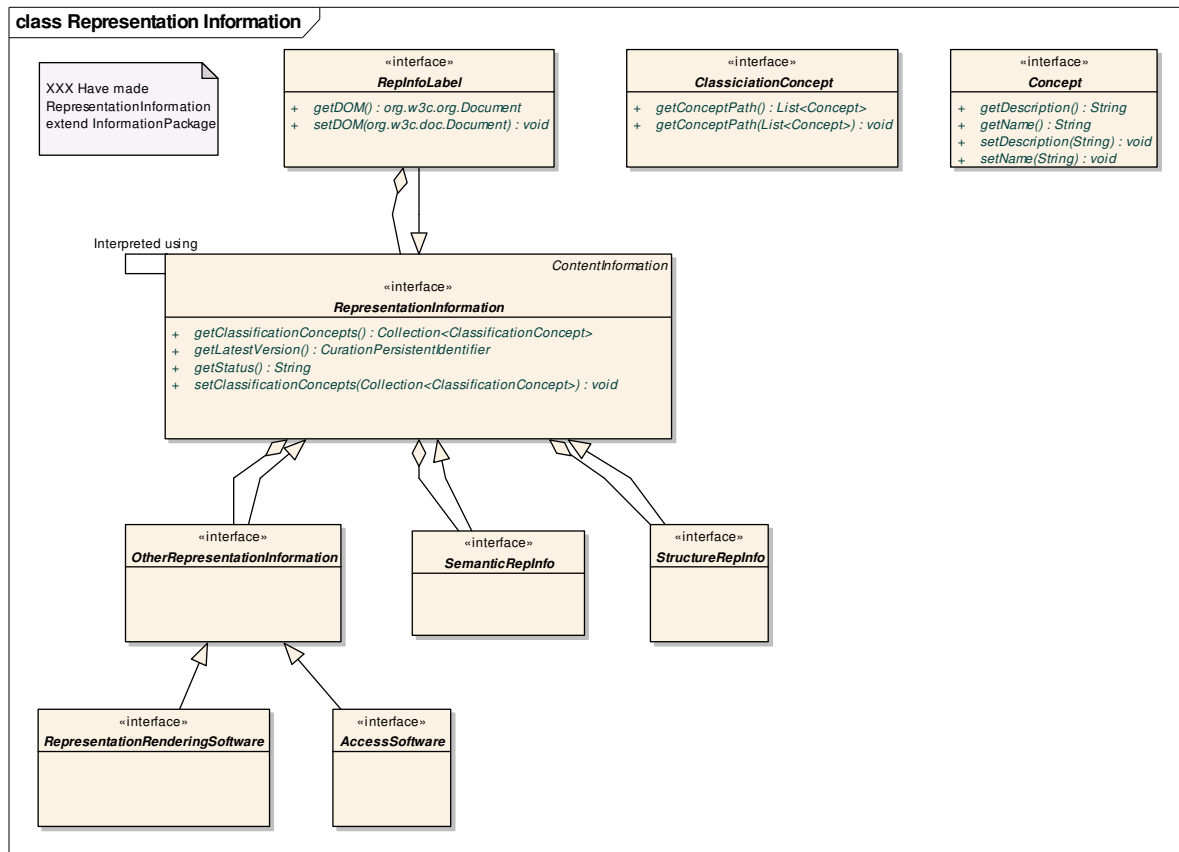
Connector	Source	Target	Notes
Source -> Destination	RepInfoLabel	RepresentationInformation	

Operations

Method	Notes	Parameters
getClassificationConcepts() Collection<ClassificationConcept> Public	Get a Collection of the Classification concept(s) for a particular piece of Representation Information	
getLatestVersion() CurationPersistentIdentifier Public	Given a particular version of some RepresentationInformation, this method attempts to provide an identifier which can be used to obtain the latest version of that RepresentationInformation. If it is not possible to obtain such an identifier then returns null	
getStatus() String Public	Returns the status the the RepresentationInformation: - approved - draft - deprecated	
setClassificationConcepts() void Public	Set the Classifications concepts which apply to this RepresentationInformation, as a Collection<ClassificationConcept>	Collection<ClassificationConcept> [in] classon classifications

Logical diagram: Representation Information





2.39 RepresentationInformationPackage

Type: **Interface** **InformationPackage**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 21/08/2007. Last modified on 21/08/2007.

GUID: {080C6992-ED71-4030-A02F-C014AD4A9B3B}

An Information Package which contains Representation Information and which is sent from, for example, a Registry to an application.

Connections

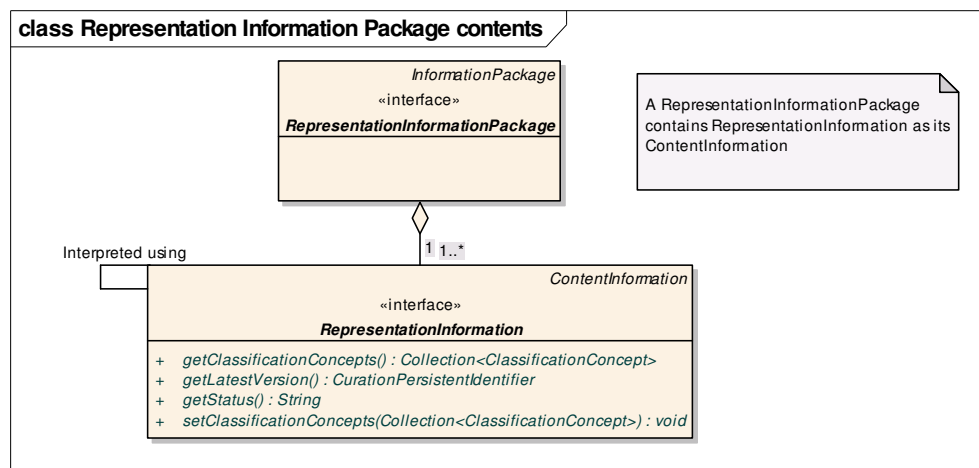
Connector	Source	Target	Notes
Generalization Source -> Destination	Public RepresentationInform ationPackage	Public InformationPackage	





Connector	Source	Target	Notes
Aggregation Source -> Destination	Public RepresentationInformation	Public RepresentationInformationPackage	

Logical diagram: Representation Information Package contents



2.40 RepresentationRenderingSoftware

Type: Interface OtherRepresentationInformation

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel **Keywords:**

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {2E6928AE-9B15-4303-89A3-5AA9C0BB7907}

OAIS Representation Rendering Software is able to display the Representation Information in understandable forms. For example, the file and directory structure of many CD-ROMs conforms to ISO 9660. This standard is Representation Information describing how most CD-ROM file structures are to be implemented, and it may be obtained as a paper document. However it may also be obtained as a digital object that needs to be understood as a PDF object. Rather than actually obtaining the documentation of PDF and writing software to understand the ISO 9660 object, an OAIS may use available PDF display software to render the ISO 9660 documentation humanly visible and readable. In this role the PDF display software is referred to as Representation Rendering Software because it is used to render the Representation Information. If the OAIS does not also obtain the associated description of PDF, it needs to record and track this fact because when PDF objects are no longer cost-effective for access and display, the ISO 9660 documentation expressed as a PDF object will need to be migrated to a new form.





Responsibilities (internal requirements)

- OAIS Representation Rendering Software - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public RepresentationRende ringSoftware	Public OtherRepresentationI nformation	

2.41 RetrievalAid

Type: **Interface** **AccessAid**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {CF825E3D-1E63-47a7-AD1D-F3E32FA73246}

OAIS Retrieval Aid: An application that allows authorized users to retrieve the Content Information and PDI described by the Package Description.

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public RetrievalAid	Public AccessAid	

2.42 SemanticReplInfo

Type: **Interface** **RepresentationInformation**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 17/08/2007.





GUID: {FAE7F55C-E70B-49a4-93DD-9401E916F38A}

Representation Information which describes the semantics associated with a DataObject

Responsibilities (internal requirements)

- OAIS Semantic Representation Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public SemanticRepInfo	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public SemanticRepInfo	Public RepresentationInformation	

2.43 StructureReplInfo

Type: Interface RepresentationInformation

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 17/08/2007.

GUID: {A8F32853-B6FE-47de-860B-1F80FB3487DB}

OAIS Structure Representation Information

Responsibilities (internal requirements)

- OAIS Structure Representation Information - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
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Connector	Source	Target	Notes
<u>Aggregation</u> Source -> Destination	Public StructureRepInfo	Public RepresentationInformation	
<u>Generalization</u> Source -> Destination	Public StructureRepInfo	Public RepresentationInformation	

2.44 SubmissionInformationPackage

Type: Interface InformationPackage

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {DF836428-775B-4657-B361-44F2D599452D}

An OAIS Submission Information Package (SIP) is that package that is sent to an OAIS by a Producer. Its form and detailed content is typically negotiated between the Producer and the OAIS. Most SIPs will have some Content Information and some PDI, but it may require several SIPs to provide a complete set of Content Information and associated PDI. The Content Information and the PDI both have associated Representation Information, and if there are multiple SIPs involved that use the same Representation Information, it is likely that such Representation Information will only be provided once to the OAIS. As another variation, since some types of PDI will apply to multiple SIPs from the same source, such PDI may be provided in a separate SIP that is without Content Information. The Packaging Information will always be present in some form.

The Descriptive Information associated with a SIP is likely to be provided prior to submitting the SIP to the OAIS, but it may be provided at any time. It may be no more than a text description with a name or title, carried by the Packaging Information, by which the SIP may be recognized.

Within the OAIS, one or more SIPs are transformed into one or more Archival Information Packages (AIP) for preservation.

Responsibilities (internal requirements)

- OAIS Submission Information Package - Functional (*Mandatory, Medium difficulty*)

Connections

Connector	Source	Target	Notes
<u>Generalization</u>	Public	Public	





Connector	Source	Target	Notes
Source -> Destination	PreserveableMessage	SubmissionInformationPackage	
Generalization Source -> Destination	Public SubmissionInformationPackage	Public InformationPackage	

2.45 UnitDescription

Type: **Interface** **PackageDescription**

Status: Proposed. Version 1.0. Phase 1.0.

Package: infomodel *Keywords:*

Detail: Created on 14/08/2007. Last modified on 14/08/2007.

GUID: {8195F2F7-4B33-4a80-8AF9-7D62143EDC31}

OAIS Unit Description: A type of Package Description that is specialized to provide information about an Archival Information Unit for use by Access Aids.

Responsibilities (internal requirements)

- OAIS Unit Description - Functional (Mandatory, Medium difficulty)

Connections

Connector	Source	Target	Notes
Generalization Source -> Destination	Public UnitDescription	Public PackageDescription	
Association Unspecified	Public UnitDescription	Public ArchivalInformationUnit	
Association Unspecified	Public UnitDescription	Public ArchivalInformationUnit	
Aggregation	Public	Public	





Connector	Source	Target	Notes
Source -> Destination	AssociatedDescription	UnitDescription	

