Draft introductory statements for

OAIS Interoperability Framework standard

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## PURPOSE AND SCOPE

The purpose of this document is to define the CCSDS and International Organization for Standardization (ISO) Interoperability Framework for archives supporting the OAIS Information Model.

This Framework defines:

* the services that archives supporting all or parts of the OAIS Information Model should provide in order to exchange information to support preservation and use of that information,
* the interfaces which programmers should use to create applications which support and use that interoperability
* the services and interfaces which support Producers providing information to those archives,
* the services and interfaces which support Consumers in using Information from those archives,

The services should expand consensus on the elements and exchanges for Long Term digital information preservation and access, and promote a larger market which vendors can support;

## APPLICABILITY

The OAIS Interoperability Framework defined in this document will be applicable to an Archive which needs to hand over responsibility for the preservation of information which it has been responsible for so far.

It is also applicable

* for Consumers wishing to access and use information from OAIS Archives and other repositories,
* to Producers wishing to send Information to Archives in order to have it preserved,
* to programmers who wish to create applications for others to use to interact with repositories

It is specifically applicable to organizations, which may themselves be part of larger organizations, with the responsibility of making information available for the Long Term. This includes organizations with other responsibilities, such as receiving, processing and distribution in response to programmatic needs.

This document is also of interest to those organizations and individuals who create information that may need Long Term Preservation and those that may need to acquire information from such Archives.

## RATIONALE

Archives need to take in Information, to preserve it, and make Information available using many different processes, software systems, formats, semantics etc. Therefore to make this Interoperability Framework as widely applicable as possible,

* the paradigm of loose coupling is used,
* Information is exchanged in the form of Information Packages, the formats and semantics of which do not have to be agreed beforehand,
* Multiple exchange protocols can be used for transmitting the information from one place to another; no specific set of protocols are defined in this document but examples are provided using one or other of such protocols,
* the internal workings of the archives are not specified,

## CONFORMANCE

A conforming implementation shall support the Interoperability Framework services and interfaces.