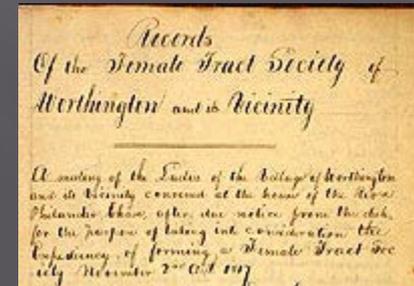# OPEN ARCHIVAL INFORMATION SYSTEM (OAIS)

Statewide Libraries Archives & Museum
Alaska State Archives
January 29, 2014

STRUCTURE OF BRIEFING

- ISO 14721:2012
- What is the OAIS model?
- Parts of the OAIS model
    - Actors—the roles
    - Information Packages—the content
    - Actions—the functions
- Summary

OAIS

- **Open Reference Model Standard**
  --Public Process & Freely Available

- **Information**—any type of knowledge
  --Independent of the forms (phys/digital) used to represent the information
  --Data are the representation forms of information

- **Archival Information System**
  --Hard/software & people responsible for acquisition, preservation & dissemination of the information

ISO 14721:2012

- **Provides a framework to:**

  --Understand archival concepts needed for long-term digital information preservation & access

  --Describe & compare architectures & operation of existing & future archives

  --Describe & compare different long-term preservation strategies & techniques

  --etc...

WHAT IS THE OAIS MODEL?

- A reference model widely accepted by digital preservation community as a key standard for digital repositories.

- Specifies how digital assets should be preserved from digital ingestion through subsequent preservation strategies to the creation of an access methodology.

- A high-level reference/conceptual model--flexible enough for use in a wide variety of environments.

PARTS OF THE OAIS MODEL

- Actors—the roles

    1. Producer—delivers content to the system
    2. Consumer—obtains content from the system
    3. Management—responsible for managing the system

- Information Packages—the content

- Actions—functions that take place in the Archives

OAIS INFORMATION PACKAGES—THE CONTENT

- Submission Information Package (SIP)

- Dissemination Information Package (DIP)

- Archival Information Package (AIP)

OAIS ACTIONS—THE FUNCTIONS

- Ingest—the content arrives

- Archival Storage—the content is stored/maintained

- Data Management

- Administration—how system is managed

- Access—how content is delivered

- Preservation Planning—how content is preserved

SUMMARY

- OAIS is an operation of functions that assist with long-term preservation & management of digital objects made available for the State Archives' Designated Community—its seekers, clients & researchers.