

ISO/IEC JTC 1 Study Group on Digital Content Management and Protection

Suggested Topics from A Chinese research group

Background

Different with the preservation measures required for traditional print materials, the long term preservation (LTP) of digital objects purely rely on the latest IT technologies and effective management models. Fast advancing of modern technologies significantly improves the quality of people's lives, it also however enables both the storage hardware and access software for digital contents become obsolete too fast, which gives us a great and continuing challenge for preserving digital objects. Meanwhile, huge amount of born-digital materials are generated on the public internet every day. Some of them convey the fundamental knowledge that before would be passed on prints by human generations but now only exist in digital formats, which therefore require our urgent preservation treatment. Long Term Preservation of digital objects has attracted a number of researchers from different libraries and relevant institutes across the world, including those from China.

CNDL and LTP Research at NLC

The National Library of China (NLC) has recently speeded up its digital library development, namely the China National Digital Library (CNDL) project, which is planned to be ready for public access by 2010. *Storage System of Digital Resources (SSDR)* is one of the sixty ongoing sub-projects of the CNDL project. One of the deliverables of this sub-project is to place an OAIS compliant system for long term preservation of digital objects at NLC. To help develop such system, a research group was formed and headed by Dr Bin Wu investigating the LTP related issues, e.g. OAIS model implementation issues, hardware/software solutions, meta data standards, management issues, and those in particular fields, such as the issues of preservation of e-literature objects, bio-chemical digital data, etc.

Suggested Topics at the workshop

The exchange topics at this conference would be open, however, we'd like focus on learning the long term preservation experiences that our international colleagues gained (technologies, management, policies, etc.). The content could be, but not limited on:

1. what systems (hardware/software) you are using for the LTP:
 - a) any open source experience?
 - b) any hardware systems (storage, servers) you prefer?
 - c) OAIIS related issues
 - d) Migration technologies
 - e) Etc.
2. meta data schema (generic standards)
 - a) those specific for forming AIPs and DIPs
 - b) any combination experience using METS/MODS/PREMIS
 - c) PDF/A implementation
 - d) any other solutions for some special digital objects?
 - e) Etc.
3. management and operational experiences
 - a) operation models (identification of those effecting factors, etc.)
 - b) LTP policies and plans in your country and library
 - c) Legislation issues in your country relating to LTP
 - d) Funding issues in your country and library relating to LTP