METADATA PROJECT STATUS REPORT

INTERNET VERSION

Report Date : August 01, 2007

Background

The ANZLIC Metadata Project was established in response to work being undertaken by the International Organization for Standardization (ISO). Through its Technical Committee for Geographic Information/Geomatics (ISO/TC 211), ISO published the International Standard for Metadata (ISO 19115:2003). This has since been adopted as an Australia/New Zealand Standard (AS/NZS ISO 19115:2005). Through ANZLIC's associated interests, AS/NZS ISO 19115 incorporates several ANZLIC core metadata elements (ANZLIC Metadata Guidelines (v2 – February 2001)). However, these original ANZLIC Metadata Guidelines fall short of the requirements of the new standard.

To facilitate adoption of this Standard, a Profile needed to be developed to fit the Australia/New Zealand requirements, and subsequently, an entry tool (MET) to enable capture and/or conversion of new and existing metadata. Also entailed was the need to develop associated XML code and User Guidelines. To achieve these ends, ANZLIC Council established the Metadata Working Group, drawn from its constituent jurisdictions.

The ANZLIC Metadata Project Team comprises :

Peter Mosley, Project Manager (Department of Sustainability and Environment, Victoria)
Diana Adorno (Landgate, Western Australia)
Jenny Bone (Australian Government Office of Spatial Data Management)
John Hockaday (Australian Government Geoscience Australia)
Garry Mahon (Department of Sustainability and Environment, Victoria)
Ross Honeyman (Department of Sustainability and Environment, Victoria)
Evert Bleys (Australian Government Bureau of Rural Sciences)
Richard Murcott (Land Information New Zealand (LINZ))

Additional input and assistance has been provided by :
Andy Dent, (CSIRO)
Chris Body, (Geoscience Australia)
Ian Batley, (ANZLIC National Office)
John Busby, (formerly Office of Spatial Data Management)
Mike Bradford, (Landgate WA)
Simon Cox, (CSIRO).

Key Project deliverables :

An ISO-compliant ANZLIC Metadata Profile and complementary XML code.

These to be in accordance with AS/NZS ISO 19106:2005 Geographic information - Profiles. To be endorsed by ANZLIC jurisdictions and ratified by the ANZLIC Council. Complementary code

(#**XSL, *XSD, α schematron code and codelists)** supports Profile implementation, including translations from the previous ANZLIC metadata standard.

- #**XSL** (E**x**tensible **S**tylesheet **L**anguage - a language for creating a style sheet to describe how data sent over the Web in XML is to be presented to the user. - It presents data in identified fields. - Will transform existing ANZLIC V2.0 metadata into new ANZLIC Profile (ISO 19139) compliant XML
- ***XSD** (**X**ML **S**chema **D**efinition - is an XML-based language used to describe and control XML document contents). - Will validate the metadata records and prove compliance with the new ANZLIC Profile
- α**Schematron** – Will implement the ANZLIC metadata profile by processing AS/NZS ISO 19115 conditional statements.

ANZLIC Metadata Profile User Guidelines.

A detailed document to assist implementation and use of the ANZLIC Metadata Profile within organisations.

Metadata Entry Tool (MET).

Software tool(s) that allow for translation of metadata records from the previous ANZLIC standard as well as creation and validation of new metadata records that conform to the new ANZLIC Metadata Profile.

There is an increasing demand for capability relating to the new metadata standards and for the release of any information available. It is recognised that the ANZLIC Metadata Profile suite will be an evolving set of products, maturing with user experience and feedback. To date, considerable work has been undertaken and the goals of the group are within reach.

Current Status

Profile and associated XML code

- Version 1.0 is of the ANZLIC Metadata Profile was completed and endorsed by ANZLIC Council at its December 2006 meeting. Public release of version 1.0 was deferred pending completion of the associated XML code upon which a joint release was proposed. The XML coding was found to be far more complex than anticipated and remained incomplete for some time. Coding has since been completed and is now undergoing further testing by the Working Group with assistance from Natural Resources and Water, Queensland.
- Recent developments and work on the XML code identified necessary changes to the Profile document. These have been completed, resulting in a draft version 1.1 of the Profile. This draft is available in PDF form via the ANZLIC website.

Guidelines

- A first-cut of the proposed ANZLIC Metadata Guidelines is presently undergoing review.

It is expected that a draft ANZLIC Metadata Guidelines Version 1.0 will be completed within a matter of weeks.

Metadata Entry Tool (MET)

- The ANZLIC Working Group is pursuing the proposition that an ANZLIC-compliant metadata entry tool should be available when the Profile and Guidelines are published.
- The Working Group has been monitoring the development of ISO 19139 compliant metadata entry tools, both within Australia and overseas. Due to the complexity of profiles, coding and required architecture, anticipated development of entry tools has failed to meet expectation and a satisfactory fully compliant solution is still not believed to be available soon. Accordingly, development of a MET is currently being pursued as a two phase operation;
    - Adoption of a very simple interim MET with only the essential functionality required to meet minimum needs as an entry tool.
    - To be superseded by a fully compliant, user-friendly and technically robust MET.

It is anticipated that an interim MET will be released by ANZLIC in the fourth quarter of 2007.

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