

ICSM NEWS - December 2005

ICSM Strategic Planning

In October the ICSM Committee undertook a Strategic Planning workshop. The vision was to identify the sphere of activity ICSM should be working in, in 2010. The conclusion was that ICSM's focus had to be on the further development of the ASDI. A Strategic Plan was developed:



Surveyors Park



In conjunction with Canberra Division of Institution of Surveyors, ICSM is proud to be a supporter of the establishment of a new public park within the Federal Parliamentary precinct – this park is to be known as **Surveyors Park**.

As part of Heritage Week activities the President of the National Trust, Mr Barry O'Keefe, has agreed to officially open the park on 1 April 2006.

The site has significant heritage value to the surveying fraternity, as well as the wider community, as it is the original surveyors' camp site, office and equipment building used when Canberra was being established. The original plan storage room is still standing and is heritage listed.

The purpose of the Park is to acknowledge and commemorate the important role surveyors have played in the development of Australia.

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Roads Working Group

In May 2005 a new ICSM Working Group was established – the Roads Working Group (RWG). The aim of this group is to create a coordinated, collegiate approach to capturing roads information across Australia and New Zealand. This will ensure that information can readily be shared between agencies, ensure efficiencies in creating & maintaining national datasets while reduce duplication of effort.

In August 2005 its inaugural meeting was held in Canberra. There was broad representation from government mapping and roads management agencies, plus PSMA. At this meeting its Terms of Reference were established:

1. Develop and promote a nationally consistent classification and attribution scheme for the representation of roads and associated infrastructure
2. Develop and promote a nationally consistent approach to the naming of roads and roads related features in spatial databases
3. Work closely with the ICSM Data Framework Technical Subcommittee to ensure that there is alignment between the work of the ICSM Harmonised Data Manual (HDM) on standards developed spatial data management of roads
4. Liaise with key government bodies and industry stakeholder groups on a nationally consistent classification and attribution scheme for the representation of roads and associated infrastructure.

Street Addressing Working Group

In 2003 the final version of the Rural and Urban Addressing Standard (AS/NZS 4819:2003) was released by Standards Australia and Standards New Zealand. This has now been broadly implemented within both countries. This standard supports a consistent and unambiguous record of addresses and, among other virtues, allows for more efficient delivery of emergency services.

The ICSM Street Addressing Working Group (SAWG) was disbanded in May 2005. The ICSM Committee has applauded SAWG's outstanding record of achievement.

In brief the Standard addresses six issues:

Rural Addressing

Address numbers based on a distance. The distance is calculated from a defined point of origin (eg. the beginning of a road) to the entrance of a rural property (eg its gate).

Urban Addressing

Address numbers based on defined rules (eg. consecutive odd numbers on left, evens on right).

Complex Site Addressing

Address numbers based on a single address for a site while with internal individual numbers sites (eg. shopping complexes, retirement villages and universities).

Alias Address Management

Address numbers based on one of the standards listed above, with a secondary/alias address (eg. a corner house with an address on the adjoining road).

Geocoding

This describes the coordinates that define the position of an address point. This is especially important for digital application – eg. Systems being adopted by emergency service providers.

Management and Transfer of Temporal Addresses

This ensures that the dates and details of changes to addresses are recorded to allow users to determine the history of an address. It also allows for the identification of addresses which no longer physically exist, but which need to be retained for administrative and historical purposes.

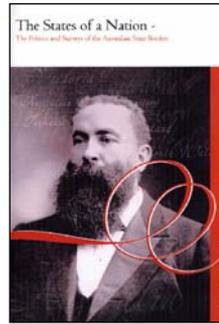
3D Cadastre

The Permanent Committee on Cadastral Reform is to commence work on the review and development of three-dimensional (3D) cadastres. The work will encompass best practice, standardisation of surveying services and definition of boundaries. It will flow through to the extension of the Harmonised Data Model (HDM) and consider ways of ensuring data quality and data integrateability.

3D cadastre will provide for better representation of more sophisticated titling arrangements – such as in high-rise buildings or in urban transport corridors.

An additional benefit of this work is that it could be extrapolated to the marine environment.

States of a Nation



THE EVOLUTION OF THE STATE BORDERS AND THE SURVEYS DELINEATING THESE BORDER

ICSM is proud to be associated with the forthcoming publication – The States of a Nation. It is anticipated that this superb work will be launched at the dedication of Surveyors Park – 1 April 2006.

Eighteen years of intensive research has gone into the creation of the substantial book (approximately 250 pages). David Taylor, from Land & Property Information, NSW Department of Lands, has crafted a superb publication which contains a wealth of information and is eminently readable.

ePlan

The ICSM Working Group on Electronic Lodgement and Transfer of Cadastral Records (ePlan) is nearing completion of its brief. As its name implies, the aim of the group is to create a national system to transfer survey plan information digitally.

The standard is not simply about imaging hard copy survey plans, but rather about enabling the interoperable use and management of digitally 'intelligent' survey data – for multiple purposes and without the need for manual intervention. This will substantially increase the efficiency of dealing with survey plan information.

A full working XML model has been created and has been operationally tested in a number of agencies. Work is now entering the implementation stage.

Harmonised Data Model

The Data Framework Technical Sub-Committee (DFTSC) focus is in the process of reviewing the existing ICSM Harmonised Data Model (HDM) (http://www.icsm.gov.au/icsm/harmonised_data_manual/harmonised_data_manual_home_page.html) in particular, to develop Unified Modelling Language (UML) model that would support the creation of a Geography Markup Language (GML) schema.

A key issue with the existing model is that it is a series of separate models (one for each theme) which are not pulled together in a unified fashion.

Rob Atkinson of *Social Change Online* and Australian Spatial Information Business Association (ASIBA) have played a critical role in this review. It is anticipated that a proposal for the expansion of the model will be presented at the next DFTSC meeting, 14 February 2006.

Next ICSM Meeting

ICSM's next meeting is scheduled for 29-30 March 2006 in Canberra, Australian Capital Territory