



Nevil Cumerford

The ICSM ePlan Protocol

Building Capacity Through Cooperation



Fundamentals

Had to perform all of the functions of a current paper plan.

Could not dictate the processes or systems used by individual jurisdictions.

Had to be customisable by a jurisdiction for local conditions.

Needed to employ industry standards in its development.



5 Components

The ICSM ePlan Model

A UML Class Diagram of a Cadastral Survey
The Logical Model

The Standard

LandXML1.2 from LandXML.org

Jurisdictional Schemas

The Protocol

The ePlan Model mapped to LandXML1.2
The Physical Model

Governance Model

How to Maintain the Model



Time Lines

Model Ratified by ICSM 2007

Model Exercised by Queensland 2005

Internal Operation in Queensland since 2005

Update of Internal Survey Systems QLD

Protocol Released to Vendors Oct 2009

Jurisdictional Schemas available for NSW, QLD, VIC

QLD developing web services for search and submission 3rd Q 2010

NSW internal Capture process in pilot

Victoria developing interface to SPEARS



ICSM
INTERGOVERNMENTAL COMMITTEE ON
SURVEYING & MAPPING



Capability of ePlan

Supply of intelligent survey search

Online Validation of survey data (about 95%) of validation rules

Automatic update of survey systems including DCDB

Input for numerical adjustment of DCDB

Auto generation of new titles

Assisted update of valuation systems

Direct input for statistical research



ICSM
INTERGOVERNMENTAL COMMITTEE ON
SURVEYING & MAPPING



Thank You

ICSM website

www.icsm.gov.au

ePlan Documents

www.icsm.gov.au/icsm/ePlan/index.html

ePlan Collaboration

[Home - ICSM ePlan Working Group - GovDex](#)