ePlan and Land XML

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ABSTRACT

Land and Property Information (LPI) is undertaking a major development program known as the Digital Plan Processing System (DPPS) that incorporates the development of ePlan systems to process digital cadastral plans in Land XML format. The program seeks to introduce the capability for data collected in the field to be 'created once, yet used by many'. This initiative is based on the practical application of an Australasian standard in Land XML format enhanced by the Intergovernmental Committee on Surveying and Mapping (ICSM) ePlan Working Group. LPI has established the Spatial Information eXchange (SIX) platform as a collaborative working space for use by government, business and the community. The SIX gateway provides a single entry point for searching, accessing and utilising the wealth of geospatial services and data managed by LPI. It also provides opportunities for users to contribute to this state-wide resource. The ePlan system will develop the capability for professionals involved in the land development processes to source and lodge digital survey and spatial data through the SIX gateway. The digital lodgement service will provide automated validation and reporting on data formats, survey geometry, and LPI business rules prior to lodgement. Electronic plan examination, automated cadastral update and electronic dissemination of plan datasets to businesses, the industry and clients are key features of the system. The adoption of the national standard by all states and territories is critical to the success of ePlan across all jurisdictions. LPI has developed a prototype lodgement validation service and examination environment to demonstrate the benefits of adopting this approach. Through ICSM and the national forum it is timely to drive the survey software vendors and surveying industry engagement process to ensure that the industry develops the capability to create and transfer appropriately structured, accurate and reliable survey and cadastral data. This presentation will provide information on the development of a new digital plan processing system that is being developed which will have significant impact and benefit both within LPI and externally on land development stakeholders, particularly the surveying profession. The presentation will include a practical demonstration on the creation of survey plans in Land XML format and the online digital plan validation service that has been developed within SIX.

KEYWORDS: *Digital cadastral plans, ePlan, Land XML, SIX, online validation.*