



## ENHANCING PSMA AUSTRALIA'S DATASETS

PSMA AUSTRALIA PRODUCES DATASETS THAT CAPTURE A WEALTH OF LOCATION-BASED INFORMATION ABOUT AUSTRALIA. USER FEEDBACK AND REGULAR REVIEW OF THESE DATASETS IS USED TO IDENTIFY OPPORTUNITIES FOR IMPROVEMENT AND ENHANCEMENT.

Here is a selection of recently implemented and planned enhancements to PSMA Australia's datasets.

### ROADS INFORMATION

The Transport & Topography dataset is underpinned by a road centreline layer representing over two million kilometres of road network, together with more than 30 feature types across transport, hydrology and green space.

The roads theme was updated to meet the data model developed by the Intergovernmental Committee on Survey and Mapping (ICSM) Roads Working Group. When combined with the topographical improvements, the Transport & Topography dataset is now considered 'navigation ready'.

Key improvements include the addition of a second geometry type representing crossing points and traffic control devices, the expansion of the model to cater for limits on height, speed, weight, trafficability and seasonality as well as improved feature level metadata.

Potential applications include:

- Location of infrastructure such as road crossings to support infrastructure funding decisions
- Assessment of remoteness based on straightline vs actual travel time along existing transport network.

This enhancement is available now.

### FEATURES OF INTEREST

The Features of Interest dataset is a new dataset in development. It will contain authoritative government feature data, as well as critical information from selected organisations.

It will include multiple geometry types, representing a targeted list of over five hundred feature types.

This data is much sought after, and can be applied in multiple commercial and government situations.

Features of Interest is an independent dataset, that can be integrated for enhanced functionality with associated datasets such as G-NAF.

Potential applications include:

- Improved online maps through the inclusion of authoritative Feature Data for context
- Enhanced personnel navigation experiences through the inclusion of detailed Feature Data
- National catalogues of significant buildings, landmarks, public spaces, community facilities, through the inclusion of Features Data
- Enhanced routing products through the inclusion of Feature Data
- Validation of private databases through the inclusion of Feature Data.

This enhancement is planned for release in February 2012.

## PROPOSED CADASTRAL PARCELS

The CadLite dataset includes definitions and spatial representations for more than 11.8 million land titles across Australia. The dataset represents each land title as a parcel or as a point for higher density sites and includes definitions of properties as an aggregate of one or more land titles.

This dataset enhancement will provide access to information on proposed cadastral developments that have been lodged for approval with relevant land authorities. This data offers greater insight into potential changes in land use and development.

Potential applications include:

- Input into planning and investment decision frameworks to support more effective service delivery and infrastructure rollout.

This enhancement is planned for release in February 2012.

## SPATIAL PROPERTY

When the focus is on understanding what an address comprises, property data may provide more insights than information on the cadastral parcel. For example, in the case where two or more cadastral parcels have been combined to form a single property or where a private home includes a granny flat.

This enhancement is based on valuation data and will provide a spatial representation of rateable properties. It is a feature that has been included in the development of the Australian Electoral Commission's RollMap solution. This is a web-based mapping service that will allow AEC staff to better identify and locate Australians on the electoral role. RollMap will enable the AEC's 150 electoral offices to easily identify individual addresses and determine any potential anomalies without requiring internal geospatial expertise.

Potential applications include:

- Support for visualisation tools

This enhancement is planned for release in May 2012.

### FOR MORE INFORMATION

PSMA Data is built and maintained by PSMA Australia.

For more details about PSMA Data, accessing the datasets, or information on our network of Value Added Resellers, contact

**P** +61 (0)2 6260 9071

**E** [enquiries@psma.com.au](mailto:enquiries@psma.com.au)

**W** [www.pasma.com.au](http://www.pasma.com.au)