



PSMA
SYSTEMS



THERE IS AN EVER INCREASING DEMAND FOR MORE FLEXIBLE ACCESS TO HIGH QUALITY SPATIAL DATA. IN RECOGNITION OF THIS DEMAND, PSMA AUSTRALIA HAS STARTED AN EXTENSIVE ENHANCEMENT PROJECT TO FURTHER IMPROVE THE PRIZE WINNING LYNX INFRASTRUCTURE.

PSMA Systems, the technical infrastructure unit within PSMA Australia, is committed to developing innovative spatial management infrastructure to improve the quality and currency of Australia's authoritative spatial datasets.

Underpinning PSMA Systems is LYNX, an internationally awarded data management system that enhances the management and the quality of Australia's suite of national spatial information datasets.

GOALS

The LYNX enhancement includes the development of a product management interface, service provision platform and automated data management processes. The development of these is focused on achieving a number of goals that include:

- Improving data quality
- Reducing delivery times
- Enabling the development of new datasets
- Providing greater data access flexibility, and
- Enabling greater use of, and value derived from, spatial data.

LYNX DEVELOPMENT OVERVIEW

LYNX TODAY

Currently LYNX uses leading-edge information technology and an integrated data model to integrate layers of spatial data within an on-line environment. It significantly improves the movement of spatial data between suppliers, data managers and clients, and provides greater interaction and quality assurance enabling higher quality client-services through value added resellers.

LYNX PILOT

The LYNX Pilot is a critical Business Services component of the LYNX enhancement project. It clearly demonstrates the direction and usability of the services platform component of LYNX.

The Pilot will enable the provision of, and access to, address validation and spatial search web services from third parties that are compliant with relevant specifications (WS-I, WMS, NAMF etc). The services utilise PSMA Data and local organisation centric data through a web-based function management solution.

Services provided by third parties through the LYNX Pilot include:

- Address validation & Geocoding through multiple engines at multiple confidence levels
- Map Snap
- NAMF Compliance

FOR FURTHER INFORMATION

LYNX Enhancement - developing infrastructure to improve the quality and currency of Australia's authoritative spatial datasets

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USER AND ACCESS MANAGEMENT

- Improved customer relationship management including licensing
- Improved reporting
- Management of access to data and services

- Improved access to data:
 - PSMA Data
 - Third Party licensed data
- Customised selection of data and attributes
- Customised delivery of data in multiple formats, including automation of delivery

DATA ACCESS

DATA SUPPLY

- Improved and automated data supply
- Increased flexibility for contributors

- Centralised and standardised access to multiple Web Services
- Capability for supply of third party Web Services

SERVICE PLATFORM ACCESS

DATA QUALITY

- Enhancement and further automation of Data Management processes
- Improved quality assurance and national consistency
- Reporting, feedback and tracking of data issues from all users
- Enhanced metadata management

FREQUENTLY ASKED QUESTIONS

What is LSF?

LSF stands for the LYNX Search Framework. It is the web service enabler framework through which third party address validation web services are provided. It is part of the LYNX Services Platform and can be demonstrated through the capabilities inherent in the LYNX Pilot.

I've heard people mention LYNX2... What is it? Is it different from LYNX?

There are a series of major enhancements to LYNX currently taking place. Within PSMA, these enhancements are referred to as LYNX2. The name LYNX, rather than LYNX2, will continue to be used outside PSMA now and into the future.