LYNX and the Commonwealth Spatial Data Information (CSDI)

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PSMA Australia

- What is PSMA Australia?
- The role of PSMA Australia
- PSMA Australia is self funded.
- PSMA Australia has six national datasets.
**LYNX**

- What is LYNX?
- LYNX Redevelopment and Enhancement
- The shared services platform

**Public and Private Partnerships**

Commonwealth Spatial Data Information (CSDI)

National Address Management Framework (NAMF)
Commonwealth Spatial Data Information (CSDI)

- The CSDI Pilot Project was established in August, 2009.

- The Intent
  - Assist policy coordination through efficient sharing of information

- The Problem
  - How to share government information whilst maintaining its privacy

- The Approach:
  - De-identify, Aggregate and Share.

Commonwealth Spatial Data Information (CSDI)

- The Benefits:
  - A single point of truth “straight from the horse’s mouth”.
  - Greater sharing and use of information.
  - Obsolete complex data sharing agreements.
  - Accessibility leads to experience with the data
  - Targeted data specialisation and continuous improvement

- Single Point of Truth
  - A single reference dataset that is recognised as the best data available for a particular subject and a specific purpose.
CSDI Pilot Project Implementation – PSMA Data and LYNX Services Components

- Based on a state based system
- Extended to include:
  - Further integration between components;
  - Extensions to basic map generation;
  - Third party service integration; and
  - Additional logging;

Components of the LYNX Services Framework Shared Services Platform
CSDI Pilot Project Implementation – PSMA Data and LYNX Services Components

• The pilot involved:
  • Extension to the Framework
  • Deployment of Third-Party Engines, and
  • Deployment of the Framework.

• The pilot was supported by the supply of key staff and documentation, and the handover of maintenance of the system.

The Success of the CSDI Pilot Project – PSMA Data and LYNX Services Components

• The success of the CSDI Pilot Project’s PSMA Data and LYNX Services Components can be attributed to strong public and private collaboration:
  • PSMA Australia,
    • And its subcontractor, Geomatic Technologies
  • Geoscience Australia, and
  • the Address Verification Engine providers:
    • Geomatic Technologies, and
    • Experian QAS.

• Important lessons and outcomes:
National Address Management Framework (NAMF)

- Whole of Government initiative aimed at specifying a framework for addressing.
- The Problem:
  - Multiple formats for storing and exchanging addresses.
  - Multiple sources of truth
  - Results of address verification solutions vary between vendors
- The Approach:
  - Standardise address interchange.
  - Specify an authoritative address reference dataset.
  - Provide a specification for address verification and geocoding.
  - Allow for extension

National Address Management Framework (NAMF)

- The Benefits and objectives:
  - Simplification of address interchange
  - One single source of truth for address verification and geocoding.
  - One address = one location.
  - Allow vendors to concentrate their efforts on functional improvement
NAMF Project Implementation

- The NAMF Compliance Specification project commenced in November 2009 and is expected to be completed this year.
- The project involves:
  - Identifying the requirements for the address management framework;
  - Seeking the approval and acceptance of industry; and
  - Developing reference implementations for server and client applications.

The Success of the NAMF Project

- The success of the NAMF Project to date can be attributed to strong public and private collaboration:
  - ANZLIC and its subcontractors
  - PSMA Australia and CTG Consulting
  - PSMA Australia and its subcontractors, Geometry, Logica and Geomatic Technologies.
- Important lessons to date:
  - Iterative development assists greatly when requirements are not fully understood up front.
  - The NAMF Notification System is simply a vehicle that provides support for relationships between addressing agencies and the users of address information that need to be strong and well maintained.
Conclusion

- Public Sector organisations have very complex logistical problems to solve, and makes best use of its resources by:
  - Defining the problem,
  - Obtaining a budget to solve the problem,
  - Managing the expectations of the public, and
  - Utilising the private sector to complement their internal solution delivery capabilities.
- Private Sector organisations provide:
  - Highly specialised, innovative, and efficient solutions,
  - Access to significant experience, and
  - Ongoing support and maintenance for solutions.

Questions
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Answers
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