



PO Box 656, Spring Hill Qld 4004

### 3DQLD Roadmap to an accelerated progression towards Cadastre 2034

The industry government strategy developed by the 3DQld Taskforce in consultation with industry outlined a number of key actions required as enablers to the realisation of the vision for a 3DQld. A priority action was the need to develop a roadmap that would provide clarity on the underpinning drivers for realisation of the vision from economic to public good imperatives.

The roadmap is urgently required to accelerate implementation of the vision presented by the [3DQLD](#) taskforce initiative. It is critical that we accelerate migration of current land administration cadastral systems towards an authorised, federated, secure, digital 3D model with high positional certainty to facilitate a revolution of enhanced spatial data analysis and more efficient and accurate public and private decision making. This concept of the roadmap is consistent with the vision by the Intergovernmental Committee on Surveying and Mapping (ICSM) [Cadastre 2034](#); *Powering Land and Real Property* which is a national strategy for cadastral reform and Innovation for Australia. The vision of 3DQld is further supported by [VANZI](#) (Virtual Australia and New Zealand Initiative) in their vision for a *Digital Built Environment*, in fact there are substantial synergies with this initiative and it is acknowledged that industry discussions have commenced with VANZI to explore mutual collaboration opportunities.

The purpose of this roadmap is to enhance the realisation of the 3DQLD vision and in turn set underpinning frameworks for realisation of an outcome that would support a foundation for title information outlined under the [VANZI](#) concept. The roadmap would aim to match short term and long term goals with specific technology and supporting process, standards and regulation though enhanced private sector and government collaboration.

It is envisaged that development of the roadmap will include three separate major components, run in sequence or concurrently with delivery before 31 March 2016.

Participating Taskforce Members



## **1. Preliminary Phase – setting the framework, vision and justification of the 3DQLD Vision**

This initial phase would include the steps to satisfy essential conditions, provide leadership and sponsorship and define the scope and boundaries for the roadmap. This would include questions including but not limited to:

- a) What if any pressures are government and private industry experiencing in administering the current system under technology, standards and current practice?
- b) What is the estimate value of current land administration practice and systems to the economy of Queensland and Australia?
- c) Provide a clearer understanding of the present and future demand for accurate mapping of the legal environment for property in a standard digital form.
- d) What is current landscape in terms of industry expertise and practice, technology, standards, government systems and community engagement to meet a future demand?
- e) Provide a clearer understanding of the future needs for accurate land and property information to support a range of economic pillars and industry sectors, social and community expectation, government institutions and industry professionals
- f) What is the appetite or demand for change in the short, medium and long term? What will be demand for a simple and accessible central register for land and property interests?
- g) Targeted economic opinion on the benefit of an accelerated realisation of 3DQLD, VANZI and Cadastre 2034 to government and private industry both in Queensland and Nationally.

## **2. Development phase – Implementation of the 3DQLD Roadmap**

The development phase shall consist of several major phases including identifying the key product that is the focus of the roadmap, identifying a range of critical supporting systems, technology, practice and standards, the drivers, alternatives and timelines. Questions posed in this phase may include:

- a) What are the components of enhancement of current land administration systems that will happen in a free and open market?
- b) What critical items are unlikely to occur without greater collaboration and intervention? These are the items that will be addressed in the roadmap.
- c) What are the options to create this infrastructure? What items are best managed by government and which by the private sector?
- d) Is Government intervention required and what form should that take?
- e) What are the priorities of delivery so to ensure flow to a coordinated implementation?
- f) What skills are available locally, nationally and internationally to meet the challenge?
- g) What are the anticipated costs and timeframe associated with the delivery?
- h) What will be the key performance indicators to track progress of the reform?
- i) Who will be held responsible for delivery of the reform targets?

On completion of the development phase the 3DQLD Roadmap report will deliver essentially five outcomes.

- a) An identification and description of each phase that will support the overall product
- b) The critical factors effecting each product phase
- c) Any areas that have not been addressed.
- d) Implementation recommendations.
- e) Technical and legislative recommendations for optimal practice

### **3. Follow up activity Phase - Validation of the Roadmap using pilot projects**

In this phase the development roadmap will be validated and critiqued by a panel of industry practioners from government and the private sector and hopefully accepted for full implementation. This collective of experts shall then test the roadmap recommendations through several pilot projects where process and technology can be evaluated for its effectiveness. Following an initial evaluation, it is expected there must also be some periodical program for review to the 3DQLD Roadmap because the needs of the consumer and technology are constantly evolving.

The follow up phase may include the following:

- a) Establishment of a panel of public and private sector professionals and allied industry experts to work collectively to validate and critique the roadmap recommendations. This opportunity shall be open to anyone who wishes to contribute time and resources to the process.
- b) Identify multiple pilot projects of varying types and challenges across the land title spectrum that would practically evaluate the reforms in a relatively short timeframe.
- c) Test the recommendations of the report to develop a refined understanding of optimal technology, practice and expertise delivered in these projects.
- d) Document any challenges and gains to be fed back into a roadmap reform agenda.