



# A Standardised Approach to Mitigate Risk for Asset Owners and Managers

A common specification for the supply of digital data was identified as a major opportunity for consortia members to establish a consistent approach to the recording of Council, Water Authority and Utility assets for Asset Management purposes.

A two pronged approach was adopted to address any new assets that are created through developer works or those that have been created / renewed through capital works.

Improve efficiency and cost savings in the process of maintaining their corporate geographic information systems (GIS) and asset management systems (AMS) has been a key incentive

A consortium of 60+ Local Council Authorities and Utilities across Australia participate in the use of the **A-SPEC** standard specifications. Including **17 of 31 recognised Growth Area Councils in Australia** (please refer to the NGAA website for details of recognised councils) who have identified **A-SPEC** as the preferred method of engagement with industry.

In New Zealand, The National Infrastructure Unit of Treasury selected A-SPEC as the basis of the development of their national metadata standards for the provision of As Constructed data to enable their national standards for asset management and performance.



- Acknowledgements include:
- ✓ National Infrastructure Unit (Treasury) – New Zealand
  - ✓ Austroads
  - ✓ Victorian Planning Authority
  - ✓ IDM Group – Victoria
  - ✓ Victorian Civil Administrative Tribunal

17 of 31 National Growth Area Alliance (NGAA)  
Councils currently utilising



digital data specifications

The key objective of members of the **A-SPEC Consortium** is to enable better decision making when dealing with their assets. This has occurred through streamlining of stake holders' processes from collection through to receiving, handling and storing of Asset Information.

- **Eliminate duplication of effort.** Significant duplication of effort exists in the digitising of as constructed information. This duplication exists between the private sector (who capture as constructed information), and council staff (who may digitise that information from paper plans);
- **Improve process efficiency,** in the process of accepting and processing lodgements, and in checking existing data against design criteria and/or design plans;
- **Improve customer service** to both internal and external customers of asset information; improve the quality of information held in council systems for audit and financial requirements, as well as operational and business requirements;
- **Increase the efficiency of information access** and result in greater customer satisfaction when dealing with inquiries from consultants, developers and prospective residents.
- **and** ultimately manage assets better to reduce the need for capital works and/or to reduce ongoing maintenance costs.

**The key objective of the specifications is to record and provide "As Constructed" digital data in a GIS ready format to the A-SPEC consortium members.**



**b-spec** outlines the specifications for the delivery of digital data relating to Buildings Assets.



**d-spec** outlines the specifications for digital files containing drainage data: pipe, pit, property connections and Water Sensitive Design Elements (**WSUD**).



**o-spec** outlines the specifications for digital data of Public Open Space and Recreation assets.



**r-spec** outlines the specifications for digital data of authorities' assets within the Road Reserve



**s-spec** outlines the specifications for digital data containing sewerage/waste water asset data.



**w-spec** outlines the specifications for digital data containing Water supply assets.



**t-spec** outlines the specifications for the collection of digital data relating to optical fibre/telecommunications assets.

*Programmed for development 4<sup>th</sup> quarter 2018/19 F.Y.*

**Contact Us:** GISSA International Pty Ltd is the founder of A-SPEC and is assisting the Consortium to manage the initiative.

Any inquiries can be directed to.

**George Havakis**  
**Michael Wood**  
**General Inquiries**

**p:** +61 (0)3 9877 6972  
**p:** +61 (0)3 9877 6972  
**p:** +61 (0) 3 9877 6972

**m:** +61 (0)407 574 477  
**m:** +61 (0)488 756 619

**e:** [george@gissa.com.au](mailto:george@gissa.com.au)  
**e:** [michaelw@gissa.com.au](mailto:michaelw@gissa.com.au)  
**e:** [info@gissa.com.au](mailto:info@gissa.com.au)

[www.a-specstandards.com.au](http://www.a-specstandards.com.au)