

# A-SPEC - Digital Data Specifications



## What is A-SPEC?

- ◆ **A-SPEC** is a common specification for the supply of digital data relating to 'As Constructed' infrastructure assets.
- ◆ **A-SPEC** has been developed within a consortium of local and state government agencies, utility organisations and software manufacturers to ensure that the data captured is the correct data.
- ◆ **A-SPEC** is a collection of specifications addressing different infrastructure types:

<b>b-spec</b>	for building assets
<b>d-spec</b>	drainage infrastructure
<b>o-spec</b>	public open space and recreational assets
<b>r-spec</b>	assets within the road reserve
<b>s-spec</b>	sewerage/wastewater infrastructure
<b>t-spec</b>	optical fibre/telecommunications assets
<b>w-spec</b>	water supply infrastructure
- ◆ **A-SPEC** is controlled by clear governance arrangements and change management protocols. This collective approach to the specifications ensures all consortium members' interests are taken into account in the specification evolution process. Enhancements are driven by the user community.



## Beneficiaries:

- ◆ **Asset Owners**
- ◆ **Asset Managers**
- ◆ **Asset Builders**
- ◆ **Asset Designers**
- ◆ **Asset Software Vendors**

The correct data is captured once, and all parties know what is expected of them—clear responsibility, efficient processes.

***Consistency, Confidence, Cost***

## Primary Markets:

- ◆ **Asset Managers:**
  - Local Government
  - Utilities
  - Government agencies responsible for asset management
- ◆ **Data Collectors**
  - Surveyors
  - Construction industry
- ◆ **Asset Designers**
- ◆ **Asset Software Vendors**
  - GIS, Asset management, Data Creation and Validation

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## Compared to other products:

- ◆ **A-SPEC** does not directly compete with other products. It is not an asset management package.
- ◆ **A-SPEC** complements existing (and emerging) asset management packages in that it provides data in standard formats. Additionally, the consortium approach identifies directions for improvement to existing capabilities.
- ◆ Compliance with standards such as **AS 5488-2013, ISO 55000**.
- ◆ **A-SPEC** is agnostic in terms of graphics format.
- ◆ **A-SPEC** does not dictate data models, it simply provides the correct information for inclusion in clients' systems.
- ◆ **A-SPEC** is a productivity enhancement tool, streamlining the flow of data from designer, builder to asset manager, minimising duplication of data capture and manipulation efforts.
- ◆ **A-SPEC** provides a framework that clearly identifies each participants' responsibilities.

## FAQs:

- ◆ **How much does it cost?** Cost to customers are in the form of an annual subscription.
- ◆ **Is it transferable to my country or jurisdiction?** **A-SPEC** is already in international use.
- ◆ **I have asset types that are not included in the A-SPEC suite?** **A-SPEC** is designed for expansion to accommodate new and emerging infrastructures.
- ◆ **Can it be integrated with other systems such as financials?** Yes. Customers are using **A-SPEC** data to drive such things as BIM, maintenance forecasting, cost forecasting and asset performance monitoring.
- ◆ **A-SPEC** provides a sound basis for whole of lifecycle asset management.

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