Topic: B-Spec

Online National A-SPEC Community Forum Series

Date: Tuesday 18 August 2020

Time: AEST 9.45am for a 10am start

Agenda

AGENDA

Morning Tea – Self Service BYOCB
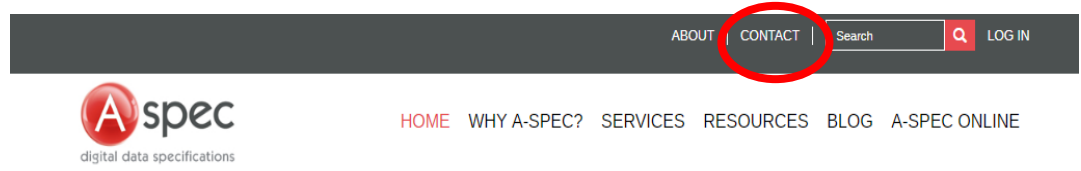
Time	Item
9:45am – 10:00am	**Arrival – Introduction to how the session will operate**
10:00am – 10:15m	**A-SPEC Overview**

- Addenda
  - We will issue as required
  - Typically for issues that will impact delivery of data

- Code Lists Normalisation
  - Now openly promoting and requesting contributions from all sectors.
  - Intent is to create a national database of codes from 'crowd sourcing' from different sectors and agencies

- Code Lists Access
  - Available in spreadsheet format from A-SPEC website
  - API – more detail to come from Gaby van Wyk

- As Constructed and Already Constructed Specifications.
  - Differences
  - When to use

- Attribute Normalisation
  - Major work carried out for May 2019 releases
  - Ongoing

- Access to the A-SPEC Reference Material
  - PDF's
  - Spreadsheets
  - Sample files
  - Addenda (where relevant)
  - Code Lists
    - API or download – to be discussed by Gaby

- A-SPEC website
  - Contact
  - Registration (NDA)

Trials have been undertaken with consultants. Intention is to provide all regular providers of A-SPEC data with a login.

Please register by completing the Contact form from the A-SPEC website

- <u>Issues and their Resolution</u>

Developing a Ticketing System for Support Requests – Under Trial
Currently on hold, researching other systems to track requests

For time being send all inquiries through to info@gissa.com.au

Actions Arising from Previous A-SPEC Community Forums
   o   Refer to Appendix 1 for detail

10:15am – 11:15am	**B-Spec Open Discussion**
	Clarifications
	Expansion of
	    • Asset types
	    • Attributes
	    • Future Proofing
	        o BIM
	        o API's
	    • Code Lists
	    • What's working, not working

Issues Requested for Discussion

- Duplicate capture or incomplete data capture due to where assets sit in specs and who picks up the data
  - How to ensure all assets recorded and no duplication or omissions e.g. public toilets in Open Space or Road Reserve

- Case Sensitivity and Data lengths. Why are they needed?
- If I provide a generic text field won't that be ok?

- How precise do we want to be with linear elements and matching to other elements?

- When is the next release as we have only just implemented the last changes?

- We use the sample data and spreadsheets to setup our data structures and validation but they are sometimes different to the documents.

- The Footprint of a building in survey terms does not include eaves and other elevated features.

- The attribute **Floor_Elev** should be renamed to be less misleading, and more intuitive. Referring to 'elevation' in the context of buildings is the face of a building wall, nothing to do with a floor. Suggest rename to **Floor_Ht** to reflect the height from ground level.

- Wat is meant by **Ext_F_Area**? The definition is unclear. Is this to the outside? If so – then this is not 'actual usable' floor area.

- What is the purpose of the field '**Source**' in **Area_Extent**? I'd suggest removing it as the **Area_Extent** is not for as-constructed information itself, just a general info

- I have been asked to provide data for the **Photo_Ref** column for a site we have recently surveyed.
  - How is this to be provided in the tables? Are we attaching an image or referencing an external image which is to be supplied with the final package?

- Please use terms that are already in use instead of inventing or borrowing inapplicable ones.

- Why bother changing from N/A to NA? They both mean the same thing

- In the B-Spec manual (v2.0.5), the 'Public Toilets' layer has columns for male and female WC fixtures.
  Where there is a unisex public toilet, should extra columns be added to account for this?

- Do you have a suggestion for classifying buildings?

- How can we confirm what assets to deliver?

- We need the value NA as we don't get the information from the consultants.

SUBMISSION RECOMMENDATIONS/REQUIREMENTS

- Data Formats
  - GeoPackage is now the OGC preferred standard for data exchange. GISSA and Digital Hive recommend organisations move to using this as the preferred format for data exchange
  - Advantages:
    - 3.1 Package all files in one file
    - 3.2 Ensure the project setting are the same for all assets in the submission, including CRS, etc.
    - 3.3 No naming length limitations
    - 3.4 It is a database format - can run database automation scripting
  - ESRI Shape files no longer supported – still acceptable
  - MIF/MID still supported but older technology – still acceptable
  - Geodatabase – inconsistent due to different versions not recommended

- Area of Works Identifier
  - Is proposed to be added to every asset table to link it to the Area of Works polygon for ease of identification of assets for a particular project/stage of works
  - **If MULTIPLE SPECS delivered under the one project then only need to provide 1 Area of Works Extent File.**

  Creating the Area of Works Extent Identifier
  - For Subdivisions – concatenate the Sub Name + the Sub Stage No + the Date of Construction
    - For example

Subdivision Name + the Subdivision Stage Number + the date of construction
So if the date of construction is 1 Jan 2020 our format will be yyyymmdd (20200102)

  - For Capital Works Projects – concatenate the Project Number and the Date of Construction
    - For example

Project Name + the Project Number + the date of construction
So if the date of construction is 1 Jan 2020 our format will be yyyymmdd (20200102)

- File Naming Conventions
  - Be mindful of using the Universal File Naming Convention listed in each Theme table (section 1.3 of each specification)
- File Submissions
  - Zip all files together
  - Use the Area of Word Identifier in the Zipped File Name
  - Include the Certification Form with each zipped file submission

11:15am - 11:45pm	**Technology Discussion with Gaby van Wyk – Validation of Data Tricks and Traps**

Gaby will demonstrate some of the issues and pitfalls discovered when auditing client A-SPEC data and provide some handy tips

Data Integrity – Discussion led by Gaby van Wyk

- Code List API
  - Overview
  - Code Lists for everyone
    - Maintenance process
    - Access options (Download or API)
    - How can you use the Code List API
      - Browse online
      - Realtime / regular downloads as a web service

- Construction Image Capture
  - Overview
  - As Constructed/AsBuilt Image capture
  - Certainty / Validation of AsBuilt data
  - Project progress
  - AI interpretation

- Data Support
  - A-SPEC Schema definitions
    - Oracle
    - MS SQL Server
    - PostgreSQL
    - MySQL / MariaSQL
    - SQLite
    - Mongo DB
  - QGIS Projects Files
    - Generic / Basic, each spec individual
    - With basic validation / automation
    - Custom, Project base
    - Data validation tools

- Training
  - QGIS and A-SPEC
  - Advanced training programs – writing Python Scripts to automate tasks

11:45am – 12:00pm	**Wrap up and where to** – open discussion

- What's next and when
  - A-SPEC Certification **by June 30, 2021**
    - *Authorities*
    - *Consultants*
    - *Engineers*
    - *Contractors*
    - *Landscape professionals*
  - Specification enhancements
  - API release
  - More API's
  - Next releases of updates – **May 2021 unless !**

A-SPEC session Tuesday 13 October – The wrap up !
- Vendors will be invited to present and answer any questions from their A-SPEC users

- Next Forum: **D-Spec - Tuesday 25 August, 2020**

APPENDIX 1 - ACTIONS ARISING FROM FORUMS

Action from	Action Item	Target Date
August 2017	GISSA to create FAQs/Practice Note for website	**Work in progress**
August 2017	Request for Consultants and Authorities to provide GISSA with photos to support FAQs/Practice Notes	**Ongoing**
March 2019	**B-Spec:-** Investigate BIM enablement of A-SPEC requirements **Action taken:** Investigated adding schedules that comply with A-SPEC generally. This can be undertaken in products like Revit. Investigating mapping A-SPEC to classification systems such as IFC and Omniclass2015.	**Work in progress**
March 2019	GISSA developing a ticketing system to raise Corrective Action Requests	**On Hold**