

# Data Standards Body Technical Working Group

## Decision Proposal 002 – URI Structure

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Publish Date: 29<sup>th</sup> July 2018

Feedback Conclusion Date: 17<sup>th</sup> August 2018

### Context

Each end point within the API standards will have a defined resource URI. These end points must will be accessible from a base path that will have a separate structure used to separate different APIs and potentially industries. This document proposes this URI structure.

### Decision To Be Made

Determine the overall URI structure to be used for the API Standards.

### Identified Options

There are potentially innumerable options for the base URI structure so specific options are not outlined. Instead a single recommended structure is presented for comment and feedback.

In defining the recommended structure the re-use of the UK standards base path was considered but this was considered too banking specific and would not allow room for expansion to other industries.

### Current Recommendation

The recommended URI structure is as follows:

**<provider path>** / **cds-au** / **<version>** / **<industry>** / **<resource>**

Some examples:

<http://www.bank.com.au/api/cds/v1/banking/accounts>

<http://www.bank.com.au/api/cds/v1/banking/products>

<http://www.energyretailer.com.au/api/cds/v1/energy/usage>

An explanation of the constitution components of the URI structure is provided below:

- **Provider Path**

The provider path is a base path set by the provider of the APIs. It can be any URI desired by

the provider but should not be too long as this will reduce the characters available in the URI for the resource path and query string parameters.

- **“cds-au”**

This is a static string representing the end points defined by the Consumer Data Standards for Australia. This static string allows for separation from other APIs available at the same base provider path and also allows for extension if the standards are adopted by another jurisdiction in whole or in part.

- **Version**

The version of the high level CDS standards. This is not the version of the endpoint or the payload being requested but the version of the overall standards being applied. This version number will be “v” followed by a the version as a positive integer (e.g. v1, v12 or v76).

- **Industry**

A static string used to separate APIs for a specific industry. As standards for new industries are defined the list of industry strings will be extended. Currently the accepted values for this component of the base path will be:

- *banking* – for APIs related to banking and potentially wider financial services data
- *energy* – for APIs related to the energy distribution industry
- *telco* – for APIs related to telecommunications
- *common* – for APIs that potentially span industries

- **Resource**

The URI for the specific resource requested. This end point URI will be defined as part of the end point definitions for each API group.

## Appendices <Remove if not required>

Appendix A: <Description of Appendix>

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<Content of Appendix>

Appendix B: <Description of Appendix>

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Appendix C: <Description of Appendix>

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