



PSMA

AUSTRALIA
LIMITED

Product Description

Transport and Topography

Version 1.6
August 2009



Transport and Topography Product Description

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PSMA Australia Transport and Topography Product Description
Version 1.6

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1 General Information

1.1 Custodian

PSMA Australia Limited

1.2 Jurisdiction

PSMA Australia content covers Australia's eight states and territories:

- New South Wales
- Queensland
- Victoria
- Tasmania
- South Australia
- Western Australia
- Northern Territory
- Australian Capital Territory

1.3 Contact Details

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2 Dataset Description

The Transport and Topography dataset is underpinned by a road centreline layer of over one million kilometres of roads, together with more than 30 feature types within transport, hydrology and Greenspace themes.

The Transport component of this dataset encompasses the roads, rail, rail stations and airport infrastructure networks across the entire nation of Australia. The roads layer includes more than 1,000,000 kilometres of named roads. The rail and rail station layers depict the national rail network (including tram lines). The airports layer also includes landing grounds.

The Topography component of this dataset is made up of two themes—hydrology and Greenspace. Two layers of hydrology are made up of water bodies, major rivers, minor waters and oceans. The two Greenspace layers are urban parks plus national parks and other reserves.

2.1 Transport Theme

2.1.1 Content

The Transport Theme provides data that covers the following layers,

- Roads – A national coverage of network roads at all levels within Australia. Roads data covers everything from major highways to outback tracks.
- Airports – This layer covers all aspects of Airports within Australia, the layer shows all airports from International to local landing strips.
- Railway Lines – This layer contains the national railway line network.
- Railway Stations – This layer shows railway stations located along the railway line network.

2.1.2 Contributors

The Transport and Topography dataset and their legal identifiers have been derived from the relevant bodies from each Australian State and Territory jurisdiction as well as the Commonwealth mapping agency.

2.1.3 Methodology

The following procedures describe the development of the Transport Theme of the Transport and Topography dataset:

1. Source data from Contributors;
2. Convert to common format;
3. Convert to a common coordinate datum (lat/long GDA94) if required;
4. Correct spatial data topology errors and ensure national consistency; and
5. Perform Quality Assurance.

2.1.4 Data Quality

Positional Accuracy

Positional accuracy is an assessment of the closeness of the location of the spatial objects in relation to their true positions on the earth's surface.

The positional accuracy includes:

- a horizontal accuracy assessment
- a vertical accuracy assessment

The horizontal and vertical positional accuracy are the assessed accuracy after all transformations have been carried out.

Relative spatial accuracy of the Transport theme reflects that of the jurisdictional source data. The accuracy is +/- 2 metres in urban areas and +/- 10 metres in rural and remote areas. No "shift" of data as a means of "cartographic enhancement" to facilitate presentation has been employed for any real world feature.

Attribute Accuracy

Attribute accuracy is an assessment of the reliability of values assigned to features in the dataset in relation to their true 'real world' values.

For this product, feature and attribute accuracy is a measure of the degree to which the features and attribute values of spatial objects agree with the information on the source material. The allowable error in attribute accuracy ranges from 1% to 5%.

A precise attribute accuracy assessment may not always be possible. In these cases an intuitive estimate of the expected attribute accuracy or the likely maximum error based on previous experience is acceptable.

Logical Consistency

Logical consistency is a measure of the degree to which data complies with the technical specification. The allowable error in logical consistency ranges from 3% to 5%. The test procedures are a mixture of software scripts and onscreen, visual checks.

The data structure has been tested for conformance with the data model. The following have been tested and confirmed to conform:

- File names
- Attribute names
- Attribute lengths
- Attribute types
- Attribute domains
- Attribute Order in file.
- Object type
- Compulsory attributes populated

The data been thoroughly tested and is free of the following topological errors:

- Pseudo Nodes;
- Overlaps;
- Bowties and other self intersections;
- Duplicate features;
- Incomplete polygons;
- Gaps in between polygons; and
- Object continuity at sheet edges and borders.

Completeness

Completeness is an assessment of the extent and range of the dataset with regard to completeness of coverage, completeness of classification and completeness of verification.

Theme Coverage: National

Attribute Completeness: All attributes for each object are populated.

2.2 Greenspace & Hydrology Themes

2.2.1 Content

The Hydrology Theme shows locations of waterways, everything from dams on a property to major rivers and oceans.

The Greenspace Theme contains two sections titled Urban Parks and National Parks and forests. This theme contains local playing fields and golf courses, up to and including state and national parks.

2.2.2 Contributors

The Transport and Topography dataset and their legal identifiers have been derived from the relevant bodies from each Australian State and Territory jurisdiction as well as the Commonwealth mapping agency.

2.2.3 Methodology

The following procedures describe the development of the Transport and Topography dataset:

1. Source data from Contributors;
2. Convert to common format;
3. Convert to a common coordinate datum (lat/long GDA94) if required;
4. Correct spatial data topology errors and ensure national consistency; and
5. Perform Quality Assurance.

2.2.4 Data Quality

Positional Accuracy

Positional accuracy is an assessment of the closeness of the location of the spatial objects in relation to their true positions on the earth's surface.

The positional accuracy includes:

- a horizontal accuracy assessment
- a vertical accuracy assessment

The horizontal and vertical positional accuracy are the assessed accuracy after all transformations have been carried out.

The Greenspace and Hydrology Themes are classified as "BB" accuracy. That is, 90% of well-defined features are within 1mm (at plot scale) of their true position, eg 1:500 equates to +/- 0.5metre and 1:25,000 equates to +/- 25 metres. Anecdotal evidence suggests that the spatial accuracy of the major part of the dataset (at all scales) is frequently better than BB.

Relative spatial accuracy of these themes reflects that of the jurisdictional source data. The accuracy is +/- 2 metres in urban areas and +/- 10 metres in rural and remote areas. No “shift” of data as a means of “cartographic enhancement” to facilitate presentation has been employed for any real world feature.

Attribute Accuracy

Attribute accuracy is an assessment of the reliability of values assigned to features in the dataset in relation to their true ‘real world’ values.

For this product, feature and attribute accuracy is a measure of the degree to which the features and attribute values of spatial objects agree with the information on the source material. The allowable error in attribute accuracy ranges from 1% to 5%.

A precise attribute accuracy assessment may not always be possible. In these cases, an intuitive estimate of the expected attribute accuracy or the likely maximum error based on previous experience is acceptable.

Logical Consistency

Logical consistency is a measure of the degree to which data complies with the technical specification. The allowable error in logical consistency ranges from 3% to 5%. The test procedures are a mixture of software scripts and onscreen, visual checks.

The data structure has been tested for conformance with the data model. The following have been tested and confirmed to conform:

- File names
- Attribute names
- Attribute lengths
- Attribute types
- Attribute domains
- Attribute Order in file.
- Object type
- Compulsory attributes populated

The data been thoroughly tested and is free of the following topological errors:

- Pseudo Nodes;
- Overlaps;
- Bowties and other self intersections;
- Duplicate features;
- Incomplete polygons;
- Gaps in between polygons; and
- Object continuity at sheet edges and borders.

Completeness

Completeness is an assessment of the extent and range of the dataset with regard to completeness of coverage, completeness of classification and completeness of verification.

Theme Coverage: National

Attribute Completeness: All attributes for each object are populated. Greenspace and Hydrology data is 75% accurate at time of production. This percentage is lower than expected as the data in some areas is undergoing significant change on a day-to-day basis.

2.3 Features

Entity	Description	Integration	Rules
Street	<p>A Street represents a segment of road.</p> <ul style="list-style-type: none"> A Street will have 1 or many line segments defining its spatial existence. A Street can be related to 0 or more localities. If a Street is related to a gazetted locality (e.g. a locality with a polygon representation), its lines in STREET_LOCALITY_LINE will be 'cookie-cut' by the buffered locality polygon. If a Street is related to an ungazetted locality (e.g. a locality with only point representation), its lines in STREET_LOCALITY_LINE will be 'cookie-cut' by the buffered locality point. A Street/Locality (gazetted or ungazetted) pair will have 1 active point in STREET_LOCALITY_POINT . This is the centroid of the street line(s) in STREET_LOCALITY_LINE (centroided in the same way G-NAF creates street centroids). All Street/Locality pairs may have many alias records describing alternate names for the Street within the Locality. 	<p>A Street /Locality pair has:</p> <ul style="list-style-type: none"> 0 to many related G-NAF Address records 	No special rules
Railway	Railway captures railway lines. A railway may have multiple line segments defining its spatial existence.	No integration to other datasets (except State).	No special rules
Railway Station	A railway station is a simple point dataset capturing the location of railway stations.	<p>A Railway Station has:</p> <ul style="list-style-type: none"> 0 or 1 related gazetted Locality record. Most of the time will be related to a Locality. Will only not be related to a locality where the Railway Station falls within an unincorporated area (e.g. NT). 1 related POI record 	No special rules
Airport Landing Ground	This entity represents a place where aircraft land. It may be either an official airport or an unofficial airstrip.	<p>An Airport has:</p> <ul style="list-style-type: none"> 1 related gazetted Locality record 1 related POI record 0 to many related CAD records 	<ul style="list-style-type: none"> An airport should have at least 1 related CAD record Official airport landing grounds must have one active point defining where the airport building location is.

Entity	Description	Integration	Rules
Hydrology	Hydrology is a collection of tables that capture hydrology lines and polygons.	No integration to other datasets (except State).	No special rules
Greenspace	Greenspace is made up of Urban Parks and National Parks. A Greenspace may have many polygons defining its boundary.	A Greenspace has: <ul style="list-style-type: none"> 0 to many related gazetted Locality records 0 to many related CAD records 1 related POI record 	<ul style="list-style-type: none"> Greenspace should have at least 1 related CAD record
State	Every dataset references a state.	All other datasets reference a state persistent identifier.	No special rules

2.4 Delivery

LYNX is a cutting-edge data platform that has been developed to hold, quality assure and distribute PSMA Australia's suite of national spatial datasets. It streamlines PSMA Australia's data delivery. The core of LYNX is the Integrated Database (IDB), which holds our suite of datasets in one location and within a single environment.



Clients are able to obtain data updates using LYNX, either by downloading the data to a specified location or requesting a DVD.

PSMA Australia has provided Clients with a detailed User Guide for utilising the LYNX system, and can provide advice and support to Clients accessing the platform.

LYNX can be accessed from the [PSMA Australia Website](http://www.pdma.com.au). (www.pdma.com.au)

2.4.1 Delivery Format

- MapInfo Tab files
- ESRI Shape

3 Licensing & Access

3.1 Accessing PSMA Australia Datasets

PSMA Australia is the crucial link between the supply and demand sides of the market for the fundamental national spatial datasets that it offers. The organisation eliminates the difficulties of negotiating multiple license agreements with Australian, state and territory governments, and the problems of integrating the data into a seamless consistent national dataset. Furthermore, the existence of PSMA Australia minimises the duplication of effort within the market for organisations wishing to access national data.

PSMA Distribution, the wholly owned subsidiary of PSMA Australia, facilitates access to PSMA Data. PSMA Distribution works closely with our Value-Added Resellers (VARs) to provide strategic support to ensure that both the public and private sectors obtain the maximum benefit from the use of PSMA Data.

PSMA Distributions' VARs create many powerful and varied applications that utilise the PSMA Data. Our highly experienced staff help VARs with lead-generation, sales support, market intelligence and opportunity analysis.

For further information on accessing PSMA Data, or becoming a VAR of PSMA Distribution contact:

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e-mail: psmadistribution@psma.com.au

web: www.psmacom.au (A Reseller section is also included)

3.2 General Warranty and Indemnity

PSMA Australia makes every effort to provide and maintain accurate, complete, usable and timely digital spatial information. However, datasets and information are provided with the understanding that they are not guaranteed to be complete or correct.

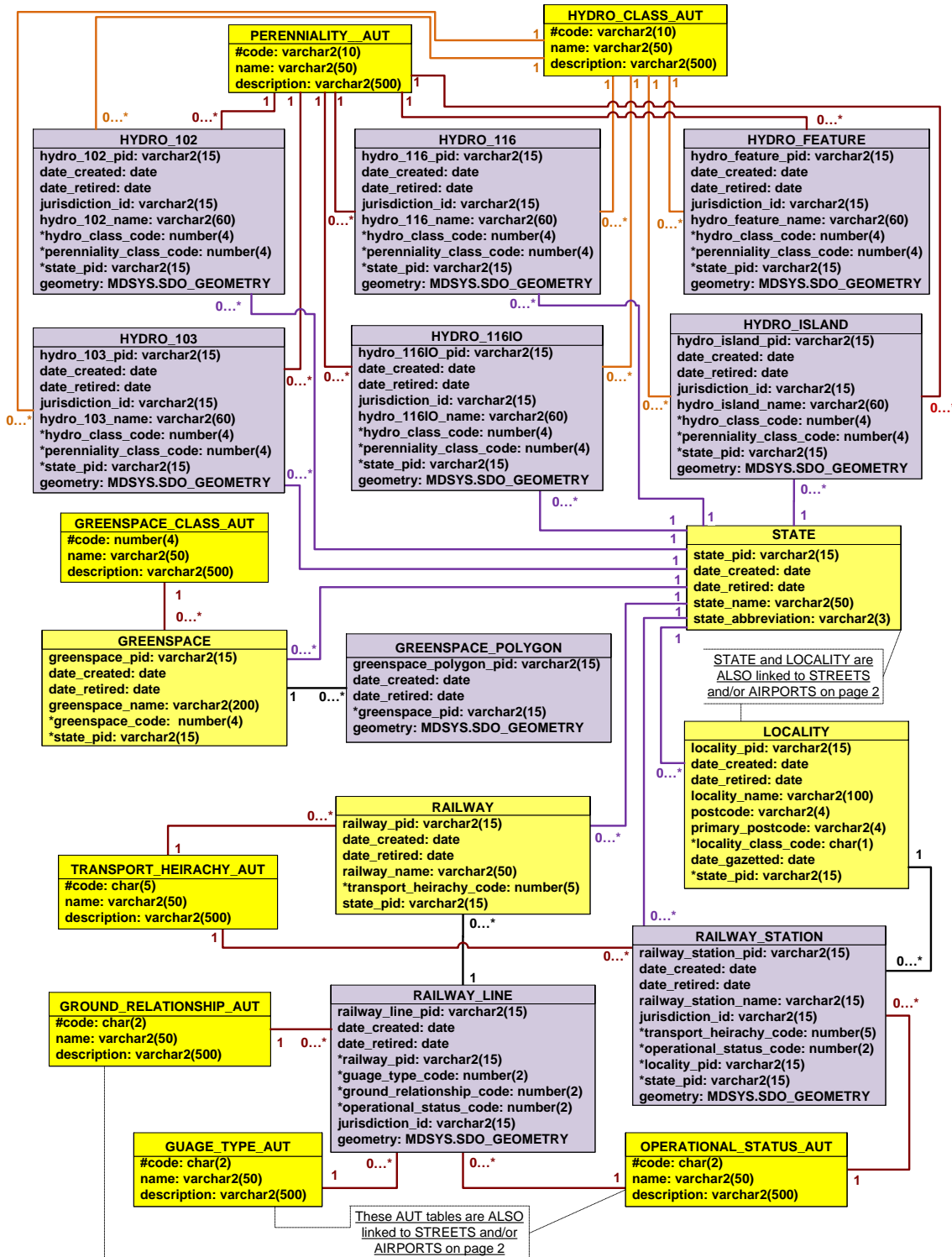
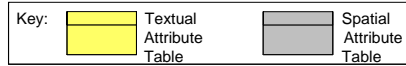
3.3 Privacy Statement

Users must acknowledge that the PSMA Data does not on its own constitute Personal Information.

The user agrees:

- not to do any act or engage in any practice using the PSMA Data or a value added reseller product (VAR Product) that would breach the Privacy Act 1988 (Cth);
- to comply with any direction of PSMA Distribution or PSMA to observe any recommendation of the Privacy Commissioner relating to acts or practices of the user that the Privacy Commissioner considers to be in breach of the obligations in this clause.

4 Data Model



5 Data Dictionary

All Persistent Identifiers for spatial geometry are only unique within the associated dataset and within the state they reside e.g. LGA_POLYGON_PID = 1234567.

The following table refers to ALL tables in the Feature Catalogue below.

Column	Abbreviation	Description
Name	Name	The name of the column in the Integrated Database
Data Type	Data type	The Oracle data type of the column. Mapinfo TAB files have similar data types.
Description	Description	A description of the column and what the expected contents are
Primary Key?	Prim Key	If 'Y' then this column must always have a unique value. (has # entry in the data model tables)
Obligation	Man	Y = mandatory. If 'Y' (mandatory), this column is a primary key. That is, all ACTIVE records must have unique values in this column.
Foreign Key Table	F K TABLE	Represents a column in the 'Foreign Key Table' that this column is referred to by another table. (has * entry in the data model tables)
Foreign Key Column	F K Col	Represents a table in the Integrated Database that this column is referred to.
10 Character Alias	10 Char Alias	An alias for this column name - up to 10 characters maximum. Used to define the name of the column when in ESRI Shapefile format.

For ALL tables the Persistent Identifier (_pid), date_created and date_retired fields are governed by the ICSM Policy and Guidelines for Incremental Update. This can be accessed by following the link below.

www.icsm.gov.au/icsm/harmonised_data_model/model1/incremental_update_guidelines.pdf

Table: STATE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
state_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	state_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
state_name	varchar2(50)	Feature name. All in uppercase. eg TASMANIA	N	Y	-	-	state_name
state_abbreviation	varchar2(3)	state abbreviation	N	Y	-	-	st_abbrev

5.1 Transport

Table: AIRPORT_LG

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
airport_lg_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	alg_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
airport_name	varchar2(200)	Name	N	Y	-	-	name
locality_pid	varchar2(15)	Locality pid. Not mandatory because an airport does not have to exist in a gazetted locality!	N	N	-	-	loc_pid
transport_hierarchy_code	number(5)	Transport Hierarchy Code (currently always 700 - any identified landing ground)	N	Y	TRANSPORT_HIERARCHY_AUT	code	thier_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid

Table: AIRPORT_LG_LINE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
airport_lg_line_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	al_line_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
airport_lg_pid	varchar2(15)	airport pid	N	Y	AIRPORT_LG	airport_lg_pid	alg_pid
surface_type_code	number(2)	surface type code	N	Y	SURFACE_TYPE_AUT	code	sftyp_code
operational_status_code	number(2)	usage type	N	Y	OPERATIONAL_STATUS_AUT	code	opstt_code
jurisdiction_id	varchar2(20)	jurisdiction id	N	N	-	-	jrstdctn_id
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: AIRPORT_LG_POINT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
airport_lg_point_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	al_pnt_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
airport_lg_pid	varchar2(15)	airport pid	N	Y	AIRPORT_LG	airport_lg_pid	alg_pid
surface_type_code	number(2)	surface type code	N	Y	SURFACE_TYPE_AUT	code	sftyp_code
operational_status_code	number(2)	usage type	N	Y	OPERATIONAL_STATUS_AUT	code	opstt_code
jurisdiction_id	varchar2(20)	jurisdiction id	N	N	-	-	jrscdctn_id
geometry	MDSYS.SDO_GEOMETRY	Point geometry	N	Y	-	-	geometry

Table: AIRPORT_LG_POLYGON

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
airport_lg_polygon_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	al_ply_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
airport_lg_pid	varchar2(15)	airport pid	N	Y	AIRPORT_LG	airport_lg_pid	alg_pid
surface_type_code	number(2)	surface type code	N	Y	SURFACE_TYPE_AUT	code	sftyp_code
operational_status_code	number(2)	usage type	N	Y	OPERATIONAL_STATUS_AUT	code	opstt_code
jurisdiction_id	varchar2(20)	jurisdiction id	N	N	-	-	jrscdctn_id
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: GAUGE_TYPE_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code eg. 1. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name. eg OPERATIONAL	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the GAUGE_TYPE_AUT table

CODE	Description	NAME
1	STANDARD	STANDARD
2	NARROW	NARROW
3	NOT KNOWN	NOT KNOWN
4	BROAD	BROAD

Table: GROUND_RELATIONSHIP_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code e.g. 1. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name e.g. In Tunnel	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the GROUND_RELATIONSHIP_AUT table

CODE	Description	NAME
1	ABOVE GROUND ON BRIDGE	ABOVE GROUND ON BRIDGE
2	IN TUNNEL	IN TUNNEL
3	ON GROUND	ON GROUND
4	UNKNOWN	UNKNOWN

Table: LOCALITY

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
locality_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	loc_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
locality_name	varchar2(100)	name	N	Y	-	-	name
locality_class_code	char(1)	Describes the class of locality this is (eg. Gazetted, topographic feature etc). Lookup to locality_class. Must always be set to 'G'	N	Y	LOCALITY_CLASS_AUT	code	loccl_code
postcode	varchar2(4)	This field stores the postcode for the locality from the Suburb dataset. It is a temporary work-around until the Postcode Boundaries dataset becomes available.	N	N	-	-	postcode
primary_postcode	varchar2(4)	Required to differentiate localities of the same name within a state	N	N	-	-	prim_pcodel
date_gazetted	date	gazetted date - only applicable for gazetted localities	N	N	-	-	gt_gazetd
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid

Table: OPERATIONAL_STATUS_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name e.g. Operational	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the OPERATIONAL_STATUS_AUT table.

CODE	DESCRIPTION	NAME
1	OPERATIONAL	OPERATIONAL
2	UNDER CONSTRUCTION	UNDER CONSTRUCTION
3	DISUSED	DISUSED
4	UNKNOWN	UNKNOWN
5	CLOSED	CLOSED

Table: RAILWAY

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
railway_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	rw_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
railway_name	varchar2(50)	Name if exists	N	N	-	-	name
transport_hierarchy_code	number(5)	Transport Hierarchy Code	N	Y	TRANSPORT - HIERARCHY_ AUT	code	thier_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid

Table: RAILWAY_LINE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
railway_line_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	rw_line_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
railway_pid	varchar2(15)	railway pid	N	Y	RAILWAY	railway_pid	rw_pid
gauge_type_code	number(2)	gauge type code	N	Y	GAUGE_ TYPE_AUT	code	ggtyp_code
ground_relationship_code	number(2)	ground relationship code	N	Y	GROUND_ RELATIONSH IP_AUT	code	grrel_code
operational_status_code	number(2)	operational status	N	Y	OPERATIONA L_STATUS_A UT	code	opstt_code
jurisdiction_id	varchar2(16)	ID the jurisdictions used for this record	N	N	-	-	jrscdtn_id
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: RAILWAY_STATION

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
railway_station_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	railst_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(16)	ID the jurisdictions used for this record - not mandatory because do not have this data for everyone	N	N	-	-	jrstdctn_id
railway_station_name	varchar2(50)	Name if exists	N	N	-	-	name
transport_hierarchy_code	number(5)	Transport Hierarchy Code - e.g. 501	N	Y	TRANSPORT - HIERARCHY_ AUT	code	thier_code
operational_status_code	number(2)	Operational, Under Construction, Disused	N	Y	OPERATIONAL_STATUS_A UT	code	opstt_code
locality_pid	varchar2(15)	locality id. Will only not be related to a locality where the Railway Station falls within an unincorporated area (eg. NT).	N	N	LOCALITY	locality_pid	loc_pid
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Point geometry	N	Y	-	-	geometry

Table: ROUTE_CLASS_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	code
name	varchar2(500)	Name	N	Y	-	-	name
description	varchar2(500)	Description of what the code means	N	Y	-	-	desc

Codes for the ROUTE_CLASS_AUT table

Table: STREET_LINE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
street_line_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	st_lne_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
street_name	varchar2(100)	Street name. e.g. "POPLAR"	N	Y	-	-	name
street_type_code	varchar2(15)	street type. e.g. "PLACE"	N	N	STREET_TYPE_AUT	code	sttyp_code
street_suffix_code	varchar2(15)	street suffix. eg. "WEST"	N	N	STREET_SUFFIX_AUT	code	stsfx_code
transport_hierarchy_code	number(5)	Transport Hierarchy Code	N	Y	TRANSPORT - HIERARCHY_AUT	code	thier_code
surface_type_code	number(2)	surface type code	N	Y	SURFACE_TYPE_AUT	code	sftyp_code
ground_relationship_code	number(2)	ground relationship code	N	Y	GROUND_RELATIONSHIP_AUT	code	grel_code
national_route_number	varchar2(12)	National Route Number	N	N	-	-	nrm
state_route_number	varchar2(12)	state route number	N	N	-	-	srn
positional_accuracy	number(8)	positional accuracy	N	N	-	-	pos_acc
jurisdiction_id	varchar2(16)	The id the jurisdiction used for this street	N	N	-	-	jrscn_id
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: STREET_LINE_ROUTE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
street_line_route_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	sl_rt_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
street_line_pid	varchar2(15)	Street line pid	N	Y	STREET_LINE	pid	st_line_pid
route_class_code	number(2)	National or state route	N	Y	ROUTE_CLASS_AUT	code	rt_cls_cd
route_number	varchar2(15)	The route number	N	N	-	-	route_num

Table: STREET_LOCALITY

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
street_locality_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	st_loc_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
street_class_code	char(1)	Defines whether this street represents a confirmed or unconfirmed street.	N	Y	STREET_CLASS_AUT	code	stcls_code
street_name	varchar2(100)	Street name. eg. "POPLAR"	N	Y	-	-	name
street_type_code	varchar2(15)	street type. eg "PLACE"	N	N	STREET_TYPE_AUT	code	sttyp_code
street_suffix_code	varchar2(15)	street suffix. eg. "WEST"	N	N	STREET_SUFFIX_AUT	code	stsfx_code
locality_pid	varchar2(15)	locality pid	N	Y	LOCALITY	locality_pid	loc_pid

Table: STREET_LOCALITY_ALIAS

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
street_locality_alias_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	sl_ali_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
street_locality_pid	varchar2(15)	street locality pid	N	Y	STREET_LOCALITY	street_locality_pid	st_loc_pid
street_name	varchar2(100)	street alias name. eg. "POPLAR"	N	Y	-	-	name
street_type_code	varchar2(15)	street type. eg "PLACE"	N	N	STREET_TYPE_AUT	code	sttyp_code
street_suffix_code	varchar2(15)	street suffix. eg. "WEST"	N	N	STREET_SUFFIX_AUT	code	stsfx_code
alias_type_code	varchar2(10)	alias type	N	Y	STREET_LOCALITY_ALIAS_TYPE_AUT	code	altyp_code

Table: STREET_LOCALITY_ALIAS_TYPE_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code (eg. SYN). This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name	N	Y	-	-	name_aut
description	varchar2(500)	Description of what the code means (eg. SYNONYM).	N	N	-	-	dscpn_aut

Codes for the STREET_LOCALITY_ALIAS_TYPE_AUT table

CODE_AUT	DSCPN_AUT	NAME_AUT
SYN	SYNONYM	SYNONYM
ALT	ALTERNATIVE	ALTERNATIVE

Table: STREET_LOCALITY_LINE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
street_locality_line_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	st_line_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
street_locality_pid	varchar2(15)	street locality pid	N	Y	STREET_LOCALITY	street_locality_pid	st_loc_pid
street_line_pid	varchar2(15)	The STREET_LINE record this record was derived from	N	Y	STREET_LINE	street_line_pid	st_line_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: STREET_SUFFIX_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code (e.g. "WEST" or "W").(AS4590.8.8). This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name	N	Y	-	-	name_aut
description	varchar2(500)	Description of street suffixes	N	N	-	-	dscpn_aut

Codes for the STREET_SUFFIX_AUT table

CODE	Description	NAME	CODE	Description	NAME
CN	CENTRAL	CENTRAL	NW	NORTH WEST	NORTH WEST
CO	CROSSOVER	CROSSOVER	OF	OFF	OFF
DE	DEVIATION	DEVIATION	ON	ON	ON
E	EAST	EAST	OP	OVERPASS	OVERPASS
EX	EXTENSION	EXTENSION	OT	OUTER	OUTER
IN	INNER	INNER	S	SOUTH	SOUTH
LR	LOWER	LOWER	SE	SOUTH EAST	SOUTH EAST
ML	MALL	MALL	SW	SOUTH WEST	SOUTH WEST
N	NORTH	NORTH	UP	UPPER	UPPER
NE	NORTH EAST	NORTH EAST	W	WEST	WEST

Table: STREET_TYPE_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	varchar2(15)	Street type in full text (eg. AVENUE, PARADE, STREET) This is the persistent identifier.	Y	Y	-	-	
name	varchar2(50)	Name	N	Y	-	-	
description	varchar2(15)	Type recorded in full or as an abbreviated code (e.g. "STREET" or "ST").(AS4590.8.8).	N	N	-	-	

Codes for the STREET_TYPE_AUT table

CODE	Name
ACCESS	ACCS
ACRE	ACRE
ALLEY	ALLY
ALLEYWAY	ALWY
AMBLE	AMBL
ANCHORAGE	ANCG
APARTMENTS	APTS
APPROACH	APP
ARCADE	ARC
ARCH	ARCH
ARTERY	ART
AVENUE	AVE
BA	BA
BANK	BANK
BASIN	BASN
BAY	BAY
BEACH	BCH
BELT	BELT
BEND	BEND
BLOCK	BLK
BLUFF	BLUF
BOARDWALK	BWK
BOULEVARD	BVD
BOULEVARDE	BVDE
BOWL	BOWL
BR	BR
BRACE	BRCE
BRAE	BRAE
BRANCH	BRAN
BREAK	BRK
BRETT	BRET
BRIDGE	BDGE
BROADWALK	BRDWLK

CODE	Name
BROADWAY	BDWY
BROW	BROW
BULL	BULL
BYPASS	BYPA
BYWAY	BYWY
CAUSEWAY	CAUS
CENTRE	CTR
CENTREWAY	CNWY
CHASE	CH
CIRCLE	CIR
CIRCLET	CLT
CIRCUIT	CCT
CIRCUS	CRCS
CLAIM	CLM
CLOSE	CL
CLUSTER	CLR
COLONNADE	CLDE
COMMON	CMMN
COMMONS	CMMNS
CONCORD	CNCD
CONCOURSE	CON
CONNECTION	CNTN
CONNECTOR	CONR
COPSE	CPS
CORNER	CNR
CORSEO	CSEO
CORSO	CSO
COURSE	CRSE
COURT	CT
COURTS	CRTS
COURTYARD	CTYD
COVE	COVE
CRESCENT	CRES

CODE	Name
CREST	CRST
CRIF	CRF
CROOK	CRK
CROSS	CRSS
CROSSING	CRSG
CROSSROAD	CRD
CROSSWAY	COWY
CRUISEWAY	CUWY
CUL	CUL
CUL-DE-SAC	CDS
CUT	CUT
CUTTING	CTTG
DALE	DALE
DASH	DASH
DE	DEVIATION
DELL	DELL
DENE	DENE
DEVIATION	DEVN
DIP	DIP
DISTRIBUTOR	DSTR
DIVIDE	DIV
DOCK	DOCK
DOMAIN	DOM
DOWN	DOWN
DOWNS	DWNS
DRIFT	DIFT
DRIVE	DR
DRIVEWAY	DRWY
DROVE	DROV
EASEMENT	ESMT
EAST	EAST
EDGE	EDGE
ELBOW	ELB

CODE	Name
ELM	ELM
END	END
ENTRANCE	ENT
ESPLANADE	ESP
ESTATE	EST
EXPRESSWAY	EXP
EXTENSION	EXTN
FAIRWAY	FAWY
FALL	FALL
FARE	FARE
FARMS	FRMS
FEN	FEN
FERN	FERN
FIREBREAK	FBRK
FIRELINE	FLNE
FIRETRACK	FTRK
FIRETRAIL	FITR
FLAT	FLAT
FLATS	FLTS
FOLLOW	FOLW
FOOTWAY	FTWY
FORD	FORD
FORESHORE	FSHR
FORK	FORK
FORMATION	FORM
FREEWAY	FWY
FRONT	FRNT
FRONTAGE	FRTG
GAP	GAP
GARDEN	GDN
GARDENS	GDNS
GATE	GTE
GATES	GTES
GATEWAY	GWY
GLADE	GLD
GLEN	GLEN
GRANGE	GRA
GREEN	GRN
GROUND	GRND

CODE	Name
GULLY	GLY
HARBOUR	HRBR
HAVEN	HVN
HEAD	HEAD
HEATH	HTH
HEIGHTS	HTS
HIGHROAD	HRD
HIGHWAY	HWY
HILL	HILL
HILLS	HILLS
HOLLOW	HLLW
HUB	HUB
INLET	INLT
INTERCHANGE	INTG
INTERSECTION	INTN
ISLAND	ID
JUNCTION	JNC
KEY	KEY
KEYS	KEYS
KNOB	KNOB
KNOLL	KNOL
LADDER	LADR
LAGOON	LAGN
LANDING	LDG
LANE	LANE
LANEWAY	LNWY
LEA	LEA
LEAD	LEAD
LEADER	LEDR
LEES	LEES
LEIGH	LGH
LINE	LINE
LINK	LINK
LITTLE	LT
LOOKOUT	LKT
LOOP	LOOP
LOOPS	LPS
LOWER	LWR
LYNNE	LYNN

CODE	Name
MALL	MALL
MANOR	MANR
MART	MART
MEAD	MEAD
MEANDER	MNDR
MEW	MEW
MEWS	MEWS
MILE	MILE
MOTORWAY	MWY
MOTU	MOTU
MOUNT	MT
NEAVES	NVS
NOOK	NOOK
NORTH	NTH
NULL	NULL
OAKS	OAKS
OUTLET	OTLT
OUTLOOK	OTLK
OVAL	OVAL
OVERBRIDGE	OVRB
PADDOCK	PADK
PAKU	PAKU
PALMS	PLMS
PARADE	PDE
PARADISE	PRDS
PARK	PARK
PARKLANDS	PKLD
PARKWAY	PKWY
PART	PART
PASS	PASS
PASSAGE	PSGE
PATH	PATH
PATHWAY	PHWY
PENINSULA	PSLA
PIAZZA	PIAZ
PLACE	PL
PLATEAU	PLAT
PLAZA	PLZA
POCKET	PKT

CODE	Name
POINT	PNT
PORT	PORT
PRECINCT	PREC
PRIORS	PRRS
PROMENADE	PROM
PURSUIT	PRST
QUAD	QUAD
QUADRANGLE	QDGL
QUADRANT	QDRT
QUAY	QY
QUAYS	QYS
RAMBLE	RMBL
RAMP	RAMP
RANAE	RAN
RANGE	RNGE
REACH	RCH
REEF	REEF
RESERVE	RES
REST	REST
RETREAT	RTT
RETURN	RTN
RIDE	RIDE
RIDGE	RDGE
RIDGEWAY	RGWY
RIGHT	ROWY
RIGHT OF WAY	ROFW
RING	RING
RISE	RISE
RISING	RSNG
RIVER	RVR
RIVERWAY	RVWY
RIVIERA	RVRA
ROAD	RD
ROADS	RDS
ROADSIDE	RDSD
ROADWAY	RDWY
ROADWAY	RDWY
RONDE	RNDE
ROSEBOWL	RSBL

CODE	Name
ROTARY	RTY
ROUND	RND
ROUTE	RTE
ROW	ROW
ROWE	ROWE
RUA	RUA
RUE	RUE
RUN	RUN
SERVICEWAY	SWY
SHORE	SHOR
SIDING	SDNG
SKYLINE	SKLN
SLOPE	SLPE
SOUND	SND
SOUTH	STH
SPA	SPA
SPUR	SPUR
SQUARE	SQ
STAIRS	STRS
STATE	SHWY
STEEP	STP
STEPS	STPS
STRAAT	STAA
STRAIGHT	STRT
STRAIT	STAI
STRAND	STRA
STREET	ST
STRIP	STRP
SUBWAY	SBWY
TARN	TARN
TEE	TEE
TERRACE	TCE
THOROUGHFARE	THOR
THOROUGHWAY	THWY
THROUGHWAY	THRU
TOLLWAY	TLWY
TOP	TOP
TOR	TOR
TOWER	TWR

CODE	Name
TOWERS	TWRS
TRACK	TRK
TRAIL	TRL
TRAILER	TRLR
TRAM	TRAM
TRAMWAY	TMWY
TRAVERSE	TVSE
TREES	TRS
TRIANGLE	TRI
TRUNKWAY	TKWY
TUNNEL	TUNL
TURN	TURN
TWIST	TWIST
UNDERPASS	UPAS
UPPER	UPR
VALE	VALE
VALLEY	VLLY
VENUS	VNUS
VERGE	VERGE
VIADUCT	VDCT
VIEW	VIEW
VIEWS	VIEWS
VILLA	VILLA
VILLAGE	VLGE
VILLAS	VLLS
VISTA	VSTA
VUE	VUE
WADE	WADE
WALK	WALK
WALKWAY	WKWY
WATERS	WTRS
WATERWAY	WTWY
WAY	WAY
WAYS	WAYS
WEST	WEST
WHARF	WHRF
WHENUA	WHNA
WOODS	WDS
WYND	WYND
YARD	YARD

Table: SURFACE_TYPE_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code eg. 1. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name. eg Sealed	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the SURFACE_TYPE_AUT table

CODE	DESCRIPTION	NAME
1	SEALED	SEALED
2	UNSEALED	UNSEALED
3	UNKNOWN	UNKNOWN

Table: TEMP_STREET_LINE_TRACK

A temporary table to the IDM used to store QLD tracks (until they are integrated into the standard STREET_LINE table)

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
persistent	varchar2(100)		Y	Y	-	-	persistent
roadname	varchar2(100)		N	N	-	-	roadname
roadtype	varchar2(3)		N	N	-	-	roadtype
createdate	date		N	N	-	-	createdate
retiredate	date		N	N	-	-	retiredate
featuremet	varchar2(100)		N	N	-	-	featuremet
expersiste	varchar2(100)		N	N	-	-	expersiste
surfacetyp	number(1)		N	N	-	-	surfacetyp
groundrela	number(1)		N	N	-	-	groundrela
mslink	varchar2(100)		N	N	-	-	mslink
locality_1	varchar2(200)		N	N	-	-	locality_1
locality_2	varchar2(200)		N	N	-	-	locality_2
geometry	MDSYS.SDO_GEOMETRY		N	Y	-	-	geometry

Table: TRANSPORT_HIERARCHY_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code eg. 301. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name. eg National or State Highway	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the TRANSPORT_HIERARCHY_AUT table

CODE	DESCRIPTION	NAME
301	ROADS WHICH ARE OF IMPORTANCE IN A NATIONAL SENSE, AND/OR ARE A MAJOR INTRASTATE THROUGH ROUTE, AND/OR ARE PRINCIPAL CONNECTOR ROADS BETWEEN CAPITALS AND/OR MAJOR REGIONS AND/OR KEY TOWNS.	NATIONAL OR STATE HIGHWAY
302	WELL MAINTAINED AND WIDELY USED ROADS WHICH ARE MAJOR CONNECTORS NATIONAL HIGHWAYS AND/OR STATE HIGHWAYS, AND/OR MAJOR CENTRES, AND/OR KEY TOWNS, OR HAVE MAJOR TOURIST IMPORTANCE OR WHICH MAIN FUNCTION IS TO FORM THE PRINCIPLE AVENUE OF COMMUNICATION FOR	ARTERIAL ROAD
303	ROAD, WHICH ACTS AS A CONNECTOR BETWEEN HIGHWAYS AND/OR ARTERIAL ROADS, OR AN ALTERNATE ROUTE FOR CLASS 302 ROADS, OR A PRINCIPAL AVENUE FOR MASSIVE TRAFFIC MOVEMENTS.	SUB-ARTERIAL ROAD
304	ROAD ACTING TO PROVIDE FOR TRAFFIC MOVEMENT (CONNECTS CLASS 303 TO CLASS 305) OR TO DISTRIBUTE TRAFFIC TO LOCAL STREET SYSTEMS.	COLLECTOR ROAD
305	ROAD PROVIDING PROPERTY ACCESS.	LOCAL ROAD
306	UNIMPROVED ROADS WHICH ARE GENERALLY ONLY PASSABLE IN TWO WHEEL DRIVE VEHICLES DURING FAIR WEATHER AND ARE USED PREDOMINANTLY BY LOCAL TRAFFIC	TRACK - 2 WHEEL DRIVE
307	UNIMPROVED ROADS WHICH ARE GENERALLY ONLY PASSABLE WITH FOUR WHEEL DRIVE VEHICLES.	TRACK - 4 WHEEL DRIVE
308	ROAD TYPE UNKNOWN OR UNDETERMINED. MAY ALSO INCLUDE - BICYCLE TRACKS, PEDESTRIAN WALKWAYS, WALKING TRACKS WITH EMERGENCY VEHICLE ACCESS.	UNDETERMINED
400	THIS FEATURE CODE COVERS WALKING PATHS, CYCLE PATHS, HIKING TRACKS.	PATH
500	RAILWAY LINE 1	RAILWAY LINE 1
501	RAILWAY STATION	RAILWAY STATION
503	RAILWAY LINE 2	RAILWAY LINE 2
700	ANY IDENTIFIED AIRCRAFT LANDING GROUND	ANY IDENTIFIED AIRCRAFT LANDING GROUND
309	ACCESS ROAD NOT NECCESSARILY PUBLIC ACCESS	ACCESS ROAD
310	FERRY ROUTE	FERRY
311	PROPOSED ROAD MAY ALSO INCLUDE ROAD UNDER CONSTRUCTION	PROPOSED
312	ROAD USED TO MAINTAIN CONNECTIVITY THROUGH ROUNDABOUTS ETC.	CONNECTOR
701	HELIPAD	HELIPAD

5.2 Greenspace

Table: GREENSPACE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
greenspace_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	gs_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
greenspace_name	varchar2(200)	The name of the greenspace	N	Y	-	-	name
greenspace_class_code	number(4)	greenspace class. eg. Urban Park, National Park, Golf Course	N	Y	GREENSPACE_CLASS_AUT	code	gs_cs_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid

Table: GREENSPACE_POLYGON

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
greenspace_polygon_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	gs_ply_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
greenspace_pid	varchar2(15)	greenspace pid	N	Y	GREENSPACE	greenspace_pid	gs_pid
geometry	MDSYS.SDO_GEOMETRY	Polygon geometry	N	Y	-	-	geometry

Table: GREENSPACE_CLASS_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code. This is the persistent identifier.	Y	Y	-	-	code_aut
name	varchar2(50)	Name. e.g. URBAN PARK	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the GREENSPACE_CLASS_AUT table

CODE	DESCRIPTION	NAME
803	Urban Parks and non residential land	URBAN PARK
880	Recreation Park	RECREATION PARK
882	Reserve	RESERVE
1000	National Park	NATIONAL PARK
1003	State Forest	STATE FOREST
1006	Conservation Park	CONSERVATION PARK

5.3 Hydrology

Table: HYDRO_102

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_102_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	hyd102_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrstdctn_id
hydro_102_name	varchar2(60)	Feature name	N	Y	-	-	name
hydro_class_code	number(4)	Feature code	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: HYDRO_103

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_103_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	hyd103_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrstdctn_id
hydro_103_name	varchar2(60)	Feature name	N	Y	-	-	name
hydro_class_code	number(4)	Feature code	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: HYDRO_116

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_116_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	hyd116_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrdsctn_id
hydro_116_name	varchar2(60)	Feature name - SA & WA have this field null	N	N	-	-	name
hydro_class_code	number(4)	Feature code - always 116	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: HYDRO_116IO

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_116io_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	h116io_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrdsctn_id
hydro_116io_name	varchar2(60)	Feature name	N	N	-	-	name
hydro_class_code	number(4)	Feature code - always 116	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Line geometry	N	Y	-	-	geometry

Table: HYDRO_CLASS_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code e.g. 114. This is the persistent identifier	Y	Y	-	-	code_aut
name	varchar2(50)	Name. e.g. Island	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the HYDRO_CLASS_AUT table

CODE	DESCRIPTION	NAME
100	Major Water	Major Water
102	Minor water	Minor water
103	Other Drainage	Other Drainage
104	Lake	Lake
105	Reservoir	Reservoir
106	Major Dam	Major Dam
107	Canal	Canal
108	Pipeline	Pipeline
109	Swamp	Swamp
112	Intermittent/Dry Lake	Intermittent/Dry Lake
114	Islands	Islands
116	Water body connectors	Water body connectors
118	Bay closure	Bay closure
200	Sea and Ocean Polygons	Sea and Ocean Polygons

Table: PERENNIALITY_AUT

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
code	number(2)	Code e.g. 1. This is the persistent identifier	Y	Y	-	-	code_aut
name	varchar2(50)	Name. e.g. Perennial	N	Y	-	-	name_aut
description	varchar2(500)	Description of what this code means	N	N	-	-	dscpn_aut

Codes for the PERENNIALITY_AUT table

CODE	DESCRIPTION	NAME
0		UNKNOWN
1		PERENNIAL
2		NON-PERENNIAL

Table: HYDRO_FEATURE

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_feature_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	hydfea_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrstdctn_id
hydro_feature_name	varchar2(60)	Feature name - null in SA and WA	N	N	-	-	name
hydro_class_code	number(4)	Feature code	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Polygon geometry	N	Y	-	-	geometry

Table: HYDRO_ISLAND

Name	Data Type	Description	Prim Key	Man	F K TABLE	F K Col	10 Char Alias
hydro_island_pid	varchar2(15)	The Persistent Identifier is unique to the real world feature this record represents.	Y	Y	-	-	hydysl_pid
date_created	date	Date this record was created.	N	Y	-	-	dt_create
date_retired	date	Date this record was retired.	N	N	-	-	dt_retire
jurisdiction_id	varchar2(15)		N	N	-	-	jrstdctn_id
hydro_island_name	varchar2(60)	Feature name	N	Y	-	-	name
hydro_class_code	number(4)	Feature code	N	Y	HYDRO_CLASS_AUT	code	hy_cs_code
perenniality_code	number(2)	Perenniality	N	Y	PERENNIALITY_AUT	code	peren_code
state_pid	varchar2(15)	State Persistent Identifier	N	Y	STATE	state_pid	state_pid
geometry	MDSYS.SDO_GEOMETRY	Polygon geometry	N	Y	-	-	geometry

6 Other PSMA Australia Datasets

There are five other datasets currently licensed by PSMA Australia with several others in various stages of assembly. The other datasets are:

DATASET	THEME	LAYER
Administrative Boundaries	ABS Boundaries	Collector Districts (CDs)
		Statistical Local Areas (SLAs)
		Urban Centre Localities (UCLs)
		Mesh Blocks (MBs)
	Electoral Boundaries	Commonwealth Electoral Boundaries
		State Electoral Boundaries
	Local Government Areas (LGAs)	
	Suburbs/Localities	
	State Boundaries	
Town Points		
CadLite®	Cadastre (Registered land parcel polygons and attributes)	
	Property	
POI	Points of Interest	
G-NAF®	Geocoded physical addresses	
Postcodes	Australia Post spatial postcodes	Postcode Polygons
		Postcode Centroids

6.1 Administrative Boundaries

The Administrative Boundaries dataset is comprised of five themes:

- Australian Bureau of Statistics (ABS) Boundaries
- Electoral Boundaries
- Local Government Areas
- Suburbs/Localities
- State Boundaries

The ABS Boundaries theme includes three layers — collector districts, statistical local areas, mesh blocks and urban centre localities.

The Electoral Boundaries theme comprises two layers — Commonwealth electoral boundaries and state/territory electoral boundaries.

6.2 CadLite®

CadLite has two themes, Cadastre, which is a digital representation of all cadastral boundaries (excluding easements and road/drainage easements) for Australia, and Property.

Cadastre

Cadastre is a seamless national cadastral database of Australia's 10.6 million parcels.

It incorporates Local Government Area boundaries and is designed to meet the needs of organisations that require a graphical representation of land parcel boundaries on a broad scale, to integrate with other data in servicing their business needs.

This graphical index of digital cadastre or registered land parcels can be used to reference other geographic and land administrative data available from respective jurisdictions.

The digital cadastral boundaries and their legal identifiers have been derived from the relevant bodies from each Australian State and Territory jurisdiction.

Property

The PSMA Australia Property theme of CadLite® is currently released as a complete set of parcels for which rates are levied. It provides a national dataset that identifies the three relationships that exist between a property and a cadastral parcel. These are:

- where one cadastral parcel is equal to one property;
- where many cadastral parcels make up one property; and
- where one cadastral parcel contains many properties.

6.3 POI

The Points of Interest dataset contains in excess of 212,000 points of interest with feature code and name attribution. Some of the feature categories are:

- | | | |
|--------------------------|-----------------------|------------------------|
| • accommodation | • gaols | • post offices |
| • community services | • government | • public assembly |
| • cultural | • grounds | • relief feature names |
| • defence | • homesteads | • sewage |
| • education and training | • medical | • transport |
| • emergency | • mines and quarries | • utilities |
| • facilities | • mountains and hills | • waste disposal |
| • finance | • places of worship | • water |

The PSMA Australia POI dataset is currently under re-development.

6.4 G-NAF®

G-NAF® (Geocoded National Address File) is Australia's first authoritative geocoded address index for the whole country, listing all valid physical addresses in Australia. It contains approximately 12.6 million physical addresses, each linked to its unique geocoded (specific latitude and longitude of the address). Data used to build G-NAF® comes from contributors including the Australian Electoral Commission, Australia Post and Australia's government mapping agencies and land registries.

G-NAF® is the single, national authoritative source for:

- validating customer-provided address (assisting in fraud prevention)
- identifying the geocode for spatial analysis (creating maps to plot and analyse services and customer locations)
- assembling and maintaining large address files (reducing duplications and costs, increasing efficiency and improving mail delivery).

6.5 Postcodes

Postcodes have recently been developed in co-ordination with Australia Post. A postcode may be classed either as a gazetted area or a point-type postcode (eg. Post office box).

A gazetted postcode may have many polygons defining its boundary. Postcode boundaries do not have to match locality boundaries.

A point-type postcode will have 1 active centroid defining its location.

It may be necessary to include a link between the CAD and Postcodes to enable the definition of postcode boundaries when this information cannot be sourced in other ways (eg. Northern Territory). This has not been included in the Data Model as it is still currently under investigation by PSMA.