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Metadata for Digital Boundary Files - DataPacks

Australian Statistical Geography Standard (ASGS) Volume 1 - Main Structure and Greater Capital City Statistical Areas (cat no. 1270.0.55.001)

Data Currency: 1 July 2011

Presentation Format: Digital boundaries

Custodian

Custodian: Australian Bureau of Statistics

Description

Abstract:

The Australian Statistical Geography Standard (ASGS) is a hierarchical classification system of geographical regions and consists of a number of interrelated structures. The ASGS brings all the regions for which the Australian Bureau of Statistics (ABS) publishes statistics within the one framework and will be used by the ABS for the collection and dissemination of geographically classified statistics from the 1 July 2011. It provides a common framework of statistical geography and enables the production of statistics which are comparable and can be spatially integrated.

This product, **Australian Statistical Geography Standard (ASGS) Volume 1 - Main Structure and Greater Capital City Statistical Areas** (cat no. 1270.0.55.001), is the first in a series of Volumes that will detail the various structures and regions of the ASGS. Its purpose is to outline the conceptual basis of the regions of the Main Structure and the Greater Capital City Statistical Areas and their relationship to each other. This product contains several elements including the ASGS manual, maps, codes and names and the digital boundaries current for the ASGS Edition 2011 (date of effect 1 July 2011).

The digital boundaries for Volume 1 of the ASGS are the spatial units for the main structure and the Greater Capital City Statistical Areas. These spatial units are:

- Statistical Area Level 1 (SA1)
- Statistical Area Level 2 (SA2)
- Statistical Area Level 3 (SA3)
- Statistical Area Level 4 (SA4)
- Greater Capital City Statistical Areas (GCCSA)
- State and Territory (S/T).

File nomenclature:

File names have the format <file type>_<2011>_<AUST> where:

<file type> represents the type of boundaries in each file

SA1 = Statistical Area Level 1

SA2 = Statistical Area Level 2

SA3 = Statistical Area Level 3

SA4 = Statistical Area Level 4

GCCSA = Greater Capital City Statistical Area

STE = State

<2011> represents 2011 the year of the Australian Statistical Geography Standard (ASGS) Edition

<AUST> indicates the data covers all of Australia as defined in the ASGS manual

Within the files, the States and Territories are identified by unique one digit codes.

State and Territory Codes and Names

Code	S/T
1	New South Wales
2	Victoria
3	Queensland
4	South Australia
5	Western Australia
6	Tasmania
7	Northern Territory
8	Australian Capital Territory
9	Other Territories

File attributes:

All tables show file type, file name, spatial unit field and the data type.

File type: Statistical Area Level 1 (SA1)

File name (s): SA1_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	SA1_7DIGITCODE_2011	SA1_7DIGIT	Character(7)
2	STATE_CODE_2011	STATE_CODE	Character(1)
3	STATE_NAME_2011	STATE_NAME	Character(50)
4	AREA_ALBERS_SQKM	AREA_SQKM	Float

File type: Statistical Area Level 2 (SA2)

File name (s): SA2_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	SA2_MAINCODE_2011	SA2_MAIN	Character(9)
2	SA2_NAME_2011	SA2_NAME	Character(50)
3	STATE_CODE_2011	STATE_CODE	Character(1)
4	STATE_NAME_2011	STATE_NAME	Character(50)
5	AREA_ALBERS_SQKM	AREA_SQKM	Float

File type: Statistical Area Level 3 (SA3)

File name (s): SA3_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	SA3_CODE_2011	SA3_CODE	Character(5)
2	SA3_NAME_2011	SA3_NAME	Character(50)
3	STATE_CODE_2011	STATE_CODE	Character(1)
4	STATE_NAME_2011	STATE_NAME	Character(50)
5	AREA_ALBERS_SQKM	AREA_SQKM	Float

File type: Statistical Area Level 4 (SA4)

File name (s): SA4_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	SA4_CODE_2011	SA4_CODE	Character(3)
2	SA4_NAME_2011	SA4_NAME	Character(50)
3	STATE_CODE_2011	STATE_CODE	Character(1)
4	STATE_NAME_2011	STATE_NAME	Character(50)
5	AREA_ALBERS_SQKM	AREA_SQKM	Float

File type: Greater Capital City Statistical Area (GCCSA)

File name (s): GCCSA_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	GCCSA_CODE_2011	GCCSA_CODE	Character(5)
2	GCCSA_NAME_2011	GCCSA_NAME	Character(50)
3	STATE_CODE_2011	STATE_CODE	Character(1)
4	STATE_NAME_2011	STATE_NAME	Character(50)
5	AREA_ALBERS_SQKM	AREA_SQKM	Float

File type: State (S/T)

File name (s): STE_2011_AUST

Count	Field (mid/mif)	Field (ESRI shp)	Data Type
1	STATE_CODE_2011	STATE_CODE	Character(1)
2	STATE_NAME_2011	STATE_NAME	Character(50)
3	AREA_ALBERS_SQKM	AREA_SQKM	Float

Data currency

Date of effect: 1 July 2011

Dataset status

Progress: Completed dataset

Maintenance and Update Frequency: No further updates for these boundaries planned. There will be a progressive release of the other regions that make up the ASGS until late 2012 (ASGS Volumes 2, 3, 4 and 5). The ASGS will be revised in 2016.

Access

Stored data format:

Digital as separate files for each level of the Main Structure and Greater Capital City Statistical Area of the ASGS 2011.

Available format:

The digital boundary files are in MapInfo Interchange Format (.MID .MIF) and ESRI Shapefile (.shp) format.

MapInfo Interchange Format can be imported directly into MapInfo and other common Geographic Information Systems (GIS) or desktop mapping packages. The .MID .MIF files are text format and can be edited and manipulated for import to less common GIS and CAD systems.

The .MID .MIF files cannot be used directly with viewing tools such as MapInfo ProViewer.

Access constraints:

Copyright Commonwealth of Australia administered by the ABS.

Datum:

Geocentric Datum of Australia 1994 (GDA94)

The digital boundary files have the datum specified as 116 (GDA94). Users of MapInfo 6.0 or later are able to load data sets based on GDA94 directly, without transformation. Earlier versions of MapInfo cannot interpret GDA94 correctly and there may be alignment problems between data sets based on this datum and other earlier datums.

Projection:

Geographical (i.e. Latitudes and Longitudes)

Geographic extent:

Geographic Australia.

Data quality**Lineage:**

Mesh Block boundaries were created using various sources including the PSMA digital topographic datasets and ABS SLA boundaries, zoning information from state planning agencies and imagery.

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

Positional accuracy for ABS boundaries is dependent on the accuracy of the features they have been aligned to. ABS boundaries are aligned to a number of layers supplied by PSMA with an accuracy of +/-50 mm. PSMA layers and their positional accuracy are as follows:

- Transport and Topography
+/- 2 metres in urban areas and +/- 10 metres in rural and remote areas
- CadLite
+/- 2 metres in urban areas and +/- 10 metres in rural and remote areas
- Administrative Boundaries

Derived from the cadastre data from each Australian State and Territory jurisdiction.

- Greenspace and Hydrology

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. 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:

All codes and labels for all levels within the ASGS Main Structure and Greater Capital City Statistical Areas are fully validated.

Logical consistency:

Spatial units are closed polygons. Attribute records without spatial objects have been included in the data for administrative purposes.

Completeness:

All levels of the Main Structure and Greater Capital City Statistical Areas within the 2011 ASGS are represented.

Contact information

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