

# ISO Geodetic Registry

<i>Item class</i>	GeodeticCRS	
<i>Name</i>	<b>AGD84 - LatLonEHt</b>	
<i>Item status</i>	INVALID	
<i>Identifier</i>	295	
<i>Alias</i>	AGD84	
<i>Information source</i>	<i>Title</i>	The Australian Geodetic Datum Technical Manual
	<i>Author</i>	Working Party of the National Mapping Council of Australia
	<i>Publisher</i>	National Mapping Council of Australia
	<i>Publication date</i>	1985-12-01
	<i>Edition date</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Scope</i>	Spatial referencing.	
<i>Datum</i>	Australian Geodetic Datum 1984	
<i>Coordinate System</i>	Ellipsoidal 3D CS. Axes: latitude, longitude, ellipsoidal height. Orientations: north, east, up. UoM: degree, degree, metre.	

## Extent

<i>Description</i>	<b>Australia - onshore and offshore.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	111.0
	<i>North-bound latitude</i>	-8.0
	<i>East-bound longitude</i>	157.5
	<i>South-bound latitude</i>	-45.0

# ISO Geodetic Registry

<i>Item class</i>	GeodeticDatum	
<i>Name</i>	<b>Australian Geodetic Datum 1984</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	198	
<i>Alias</i>	AGD84	
<i>Information source</i>	<i>Title</i>	The Australian Geodetic Datum Technical Manual
	<i>Author</i>	Working Party of the National Mapping Council of Australia
	<i>Publisher</i>	National Mapping Council of Australia
	<i>Publication date</i>	1985-12-01
	<i>Edition date</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Replaced AGD66 in Australia except in the States of New South Wales and Tasmania and the Australian Capital Territory and the Northern Territory.	
<i>Anchor definition</i>	Defined through coordinates and observations used to derive the previous AGD66 coordinates with the addition of point-position and multi-station Doppler, SLR and VLBI observations. The final coordinates were obtained from a single national least squares adjustment of all observations holding the coordinate of the Johnston Origin fixed.	
<i>Release date</i>	1985-12-01	
<i>Coordinate Reference Epoch</i>	1962.0	
<i>Scope</i>	Spatial referencing	
<i>Ellipsoid</i>	Australian National Spheroid	
<i>Prime Meridian</i>	Greenwich	

## Extent

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	<i>East-bound longitude</i>	157.5
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# ISO Geodetic Registry

<i>Item class</i>	Ellipsoid	
<i>Name</i>	<b>Australian National Spheroid</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	29	
<i>Alias</i>	ANS	
<i>Information source</i>	<i>Title</i>	The Australian Map Grid Technical Manual
	<i>Author</i>	Technical Sub-Committee of the National Mapping Council of Australia
	<i>Publisher</i>	National Mapping Council of Australia
	<i>Publication date</i>	1968-01-01
	<i>Edition date</i>	
<i>Information source</i>	<i>Title</i>	The Australian Geodetic Datum Technical Manual
	<i>Author</i>	Working Party of the National Mapping Council of Australia
	<i>Publisher</i>	National Mapping Council of Australia
	<i>Publication date</i>	1985-12-01
	<i>Edition date</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Based on the spheroid used by the International Astronomical Union in 1965 and adopted by the National Mapping Council of Australia in April 1965.	
<i>Semi-major axis</i>	6378160.0 m	
<i>Inverse flattening</i>	298.25 m	

# ISO Geodetic Registry

<i>Item class</i>	PrimeMeridian	
<i>Name</i>	<b>Greenwich</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	25	
<i>Alias</i>	Zero meridian	
<i>Information source</i>	<i>Title</i>	Why the Greenwich meridian moved
	<i>Author</i>	S. Malys, J.H. Seago, N.K. Pavlis, P.K. Seidelmann, G.H. Kaplan
	<i>Publisher</i>	Springer International Publishing
	<i>Publication date</i>	2015-12
	<i>Series/Journal name</i>	Journal of Geodesy
	<i>Issue identification</i>	Volume 89, No. 12
	<i>Page</i>	1263–1272
<i>Information source</i>	<i>Title</i>	IERS Conventions (2010)
	<i>Author</i>	G. Petit, B.J. Luzum (eds)
	<i>Publisher</i>	Verlag des Bundesamts fur Kartographie und Geodasie
	<i>Publication date</i>	2010
	<i>Edition date</i>	
	<i>Series/Journal name</i>	IERS Technical Notes
	<i>Issue identification</i>	36.0
<i>Data source</i>	<i>Other citation details</i>	ISSN: 1019-4568
	ISO Geodetic Registry	
<i>Greenwich longitude</i>	0.0 °	

# ISO Geodetic Registry

Item class	EllipsoidalCS	
Name	<b>Ellipsoidal 3D CS. Axes: latitude, longitude, ellipsoidal height. Orientations: north, east, up. UoM: degree, degree, metre.</b>	
Item status	VALID	
Identifier	46	
Information source	Title	ISO 19111 Geographical information - Spatial referencing by coordinates
	Author	International Organization for Standardization (ISO)
	Publisher	International Organization for Standardization (ISO)
	Publication date	2007-07-01
	Edition	Second Edition
	Series/Journal name	International Standard
	Issue identification	ISO 19111:2007
Data source	ISO Geodetic Registry	
Remarks	Used in geographic 3D coordinate reference systems. Horizontal coordinates referenced to this CS are in degrees. Any degree representation (e.g. DMSH, decimal, etc.) may be used but that used must be declared for the user.	

## Axes

Item class	CoordinateSystemAxis	
Name	<b>Geodetic latitude</b>	
Item status	VALID	
Identifier	38	
Information source	Title	ISO 19111 Geographical information - Spatial referencing by coordinates
	Author	International Organization for Standardization (ISO)
	Publisher	International Organization for Standardization (ISO)
	Publication date	2007-07-01
	Edition	Second Edition
	Series/Journal name	International Standard
	Issue identification	ISO 19111:2007
Data source	ISO Geodetic Registry	
Remarks	Used in geographic 2D and geographic 3D coordinate reference systems.	
Abbreviation	Lat	
Direction	north	
Unit	degree (supplier to define representation)	

Item class	CoordinateSystemAxis	
Name	<b>Geodetic longitude</b>	
Item status	VALID	
Identifier	34	
Information source	Title	ISO 19111 Geographical information - Spatial referencing by coordinates
	Author	International Organization for Standardization (ISO)

	<i>Publisher</i>	International Organization for Standardization (ISO)
	<i>Publication date</i>	2007-07-01
	<i>Edition</i>	Second Edition
	<i>Series/Journal name</i>	International Standard
	<i>Issue identification</i>	ISO 19111:2007
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Used in geographic 2D and geographic 3D coordinate reference systems.	
<i>Abbreviation</i>	Lon	
<i>Direction</i>	east	
<i>Unit</i>	degree (supplier to define representation)	

<i>Item class</i>	CoordinateSystemAxis	
<i>Name</i>	<b>Ellipsoidal height</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	36	
<i>Information source</i>	<i>Title</i>	ISO 19111 Geographical information - Spatial referencing by coordinates
	<i>Author</i>	International Organization for Standardization (ISO)
	<i>Publisher</i>	International Organization for Standardization (ISO)
	<i>Publication date</i>	2007-07-01
	<i>Edition</i>	Second Edition
	<i>Series/Journal name</i>	International Standard
	<i>Issue identification</i>	ISO 19111:2007
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Used only as part of an ellipsoidal 3D coordinate system in a geographic 3D coordinate reference system, never on its own.	
<i>Abbreviation</i>	h	
<i>Direction</i>	up	
<i>Unit</i>	metre	