ISO Geodetic Registry

Item class	VerticalCRS	
Name	**AVWS - NHt**	
Item status	VALID	
Identifier	788	
Alias	Australian Vertical Working Surface	
Information source	*Title*	Australian Vertical Working Surface (AVWS): Technical Implementation Plan
	Author	Intergovernmental Committee on Surveying and Mapping (ICSM)
	Publisher	Geoscience Australia
	Revision date	2020-08-26
	Edition	Version 1.2
	Edition date	2020-08-26
	Other citation details	https://www.icsm.gov.au/sites/default/files/2020-08/AVWS%20Technical%20Implementation%20Plan_V1.2.pdf (accessed 2021-09-27)
Information source	*Title*	Australian Vertical Working Surface
	Author	Geoscience Australia
	Publisher	Geoscience Australia
	Revision date	2020
	Other citation details	Website. https://www.icsm.gov.au/australian-vertical-working-surface (accessed 2021-09-27)
Data source	ISO Geodetic Registry	
Remarks	Normal heights referenced to the AVWS quasi-geoid in the GDA2020 reference frame.	
Scope	Spatial referencing	
Datum	Australian Vertical Working Surface	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: m.	

Extent

Description	**Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore.**	
Geographic Bounding Box	*West-bound longitude*	93.41
	North-bound latitude	-8.47
	East-bound longitude	173.34
	South-bound latitude	-60.56

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**Australian Vertical Working Surface**	
Item status	VALID	
Identifier	784	
Alias	AVWS	
Information source	*Title*	Australian Vertical Working Surface (AVWS): Technical Implementation Plan
	Author	Intergovernmental Committee on Surveying and Mapping (ICSM)
	Publisher	Geoscience Australia
	Revision date	2020-08-26
	Edition	Version 1.2
	Edition date	2020-08-26
	Other citation details	https://www.icsm.gov.au/sites/default/files/2020-08/AVWS%20Technical%20Implementation%20Plan_V1.2.pdf (accessed 2021-09-27)
Information source	*Title*	Australian Vertical Working Surface
	Author	Geoscience Australia
	Publisher	Geoscience Australia
	Revision date	2020
	Other citation details	Website. https://www.icsm.gov.au/australian-vertical-working-surface (accessed 2021-09-27)
Data source	ISO Geodetic Registry	
Remarks	Normal heights. Australian Vertical Working Surface originally realized by the Australian Gravimetric Quasi-Geoid model AGQG_20191107, which was found to be biased and replaced by AGQG_20201120.	
Anchor definition	AVWS is a gravimetric datum realized by the Australian Gravimetric Quasigeoid (AGQG) and referenced to the GDA2020 reference frame.	
Release date	2020-01-01	
Scope	Spatial referencing	

Extent

Description	**Australia including Lord Howe Island, Macquarie Island, Ashmore and Cartier Islands, Christmas Island, Cocos (Keeling) Islands, Norfolk Island. All onshore and offshore.**	
Geographic Bounding Box	*West-bound longitude*	93.41
	North-bound latitude	-8.47
	East-bound longitude	173.34
	South-bound latitude	-60.56

ISO Geodetic Registry

Item class	VerticalCS	
Name	**Vertical CS. Axis: height (H). Orientation: up. UoM: m.**	
Item status	VALID	
Identifier	42	
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 vertical coordinate reference systems.	

Axes

Item class	CoordinateSystemAxis	
Name	**Gravity-related height**	
Item status	VALID	
Identifier	35	
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 a 1D vertical coordinate system.	
Abbreviation	H	
Direction	up	
Unit	metre	