

# ISO Geodetic Registry

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

## Extent

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

# ISO Geodetic Registry

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

## Extent

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<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	93.41
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	<i>East-bound longitude</i>	173.34
	<i>South-bound latitude</i>	-60.56

# ISO Geodetic Registry

<i>Item class</i>	VerticalCS	
<i>Name</i>	<b>Vertical CS. Axis: height (H). Orientation: up. UoM: m.</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	42	
<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 in vertical coordinate reference systems.	

## Axes

<i>Item class</i>	CoordinateSystemAxis	
<i>Name</i>	<b>Gravity-related height</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	35	
<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 in a 1D vertical coordinate system.	
<i>Abbreviation</i>	H	
<i>Direction</i>	up	
<i>Unit</i>	metre	