# ISO Geodetic Registry

Item class VerticalCRS

Name AVWS - NHt

Item statusVALIDIdentifier788

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

AuthorGeoscience AustraliaPublisherGeoscience 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 statusVALIDIdentifier784AliasAVWS

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
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%20Implementation%20Plan\_V1.2.pdf (accessed

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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. AVWS is a gravimetric datum realized by the Australian Gravimetric

Quasigeoid (AGQG) and referenced to the GDA2020 reference frame.

2020-01-01

Scope Spatial referencing

#### Extent

Anchor definition

Release date

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 statusVALIDIdentifier35

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