## 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

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
Edition Version 1.2
Edition 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

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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

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.

AbbreviationHDirectionupUnitmetre