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 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

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. AVWS is a gravimetric datum realized by the Australian Gravimetric

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.

Abbreviation H

Direction up

Unit metre