ISO Geodetic Registry

Item class VerticalCRS

Name GUVD04 - NOHt

Item statusVALIDIdentifier253

Alias Guam Vertical Datum of 2004

Information source Title Development of Comprehensive Geodetic Vertical

Datums for the United States Pacific Territories of American Samoa, Guam, and the Northern

Marianas

Author E. Carlson, D. Doyle, D. Smith

Publisher American Congress on Surveying and Mapping

Publication date 2009-01-01 Edition date 2009-01-01

Series/Journal name Surveying and Land Information Systems

Issue identification Volume 69, No. 1

Page 5-17

Other citation details ASVD02, GUVD04, NMVD03

Information source Title Affirmation of Vertical Datum for Surveying and

Mapping Activities for Guam

Author US Government

Publisher Office of Federal Register, NARA

Publication date 2009-01-22 Edition date 2009-01-22

Series/Journal name Federal Register Notice

Issue identification Volume 74, No. 13, Document: E9-1182, Citation:

74 FR 3990

Page 3990.0

Other citation details Mandates use of GUVD04

Data source ISO Geodetic Registry
Scope Spatial referencing

Datum Guam Vertical Datum of 2004

Coordinate System Vertical CS. Axis: height (H). Orientation: up. UoM: m.

Extent

Description	Guam - onshore.	
Geographic Bounding Box	West-bound longitude	143.0
	North-bound latitude	14.0
	East-bound longitude	146.0
	South-bound latitude	13.0

ISO Geodetic Registry

Item class VerticalDatum

Name Guam Vertical Datum of 2004

Item statusVALIDIdentifier185AliasGUVD04

Information source Title Development of Comprehensive Geodetic Vertical

Datums for the United States Pacific Territories of American Samoa, Guam, and the Northern

Marianas

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74 FR 3990

Page 3990.0

Other citation details Mandates use of GUVD04

Data source ISO Geodetic Registry

Remarks Normal orthometric heights.

Anchor definition Guam Vertical Datum of 2004 (GUVD04) consists of a leveling network

on the island of Guam affixed to a single origin point on the island: Tide Station 1630000, Apra Harbor, Guam (PID: TW0041, VM: 1684, Bench Mark: 163 0000 TIDAL 4, 2.170 m above LMSL). GUVD04 was affirmed as the official vertical datum in the National Spatial Reference System for the island of Guam by Federal Register Notice (2009), replacing all previous height systems for this region. The official

defining document for that datum was published in 2009.

Release date 2009

Scope Spatial referencing

Extent

Description	Guam - onshore.	
Geographic Bounding Box	West-bound longitude	143.0
	North-bound latitude	14.0
	East-bound longitude	146.0
	South-bound latitude	13.0

ISO Geodetic Registry

Item class VerticalCS

Name Vertical CS. Axis: height (H). Orientation: up.

UoM: m.

Item statusVALIDIdentifier42

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

(150)

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