ISO Geodetic Registry

Item class	VerticalCRS	
Name	**NAVD88 - OHt**	
Item status	VALID	
Identifier	256	
Alias	North American Vertical Datum of 1988 height (m)	
Information source	*Title*	Affirmation of Vertical Datum for Surveying and Mapping Activities
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	1993-06-24
	Edition date	1993-06-24
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 58, No. 120, Document: 93-14922, Docket No. 930650-3150
	Other citation details	Mandates use of NAVD 88
Information source	*Title*	Results of the General Adjustment of the North American Vertical Datum of 1988
	Author	D.B. Zilkoski, J.H. Richards, G.M. Young
	Publisher	American Cobgress on Surveying and Mapping
	Publication date	1992-03-01
	Edition date	1992-03-01
	Series/Journal name	Surveying and Land Information Systems
	Issue identification	Volume 52, No. 3
	Page	133-149
	Other citation details	One of many NAVD 88 publiations. Nothing definitive was every written, but this is most cited
Information source	*Title*	VERTCON User Manual
	Author	National Geodetic Survey
	Publisher	National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)
	Publication date	2003-09-29
	Edition date	2003-09-29
	Other citation details	NGS Online Readme File; Provides grids and usage of VERTCON for transformations between NGVD 29 and NAVD 88
Information source	*Title*	Notice to Adopt a Standard Model for Mathematical Vertical Datum Transformations
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	2007-07-11
	Edition date	2007-07-11
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 72, No. 132, Document: 07-3377
	Page	37732.0
	Other citation details	Mandates use of VERTCON for official transformations between datums
Data source	ISO Geodetic Registry	
Scope	Spatial referencing	
Datum	North American Vertical Datum of 1988	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: m.	

Extent

Description	**United States (USA) - onshore - Alaska, CONUS (Alabama, Arizona, Arkansas, California,**

	Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming).	
Geographic Bounding Box	*West-bound longitude*	172.0
	North-bound latitude	73.0
	East-bound longitude	-66.0
	South-bound latitude	24.0

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**North American Vertical Datum of 1988**	
Item status	VALID	
Identifier	193	
Alias	NAVD88	
Information source	*Title*	Affirmation of Vertical Datum for Surveying and Mapping Activities
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	1993-06-24
	Edition date	1993-06-24
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 58, No. 120, Document: 93-14922, Docket No. 930650-3150
	Other citation details	Mandates use of NAVD 88
Information source	*Title*	Notice to Adopt a Standard Model for Mathematical Vertical Datum Transformations
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	2007-07-11
	Edition date	2007-07-11
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 72, No. 132, Document: 07-3377
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	Other citation details	Mandates use of VERTCON for official transformations between datums
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	Author	D.B. Zilkoski, J.H. Richards, G.M. Young
	Publisher	American Cobgress on Surveying and Mapping
	Publication date	1992-03-01
	Edition date	1992-03-01
	Series/Journal name	Surveying and Land Information Systems
	Issue identification	Volume 52, No. 3
	Page	133-149
	Other citation details	One of many NAVD 88 publiations. Nothing definitive was every written, but this is most cited
Information source	*Title*	VERTCON User Manual
	Author	National Geodetic Survey
	Publisher	National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS)
	Publication date	2003-09-29
	Edition date	2003-09-29
	Other citation details	NGS Online Readme File; Provides grids and usage of VERTCON for transformations between NGVD 29 and NAVD 88
Data source	ISO Geodetic Registry	
Remarks	Helmert orthometric heights.	
Anchor definition	North American Vertical Datum of 1988 (NAVD 88) consists of a leveling network on the North American Continent, ranging from Alaska, through Canada, across the United States, referenced to water levels at tide stations at Pointe-au-Pere (1970-1983) and Rimouski (1984-1988) in Canada. The station at Pointe-au-Pere was transferred to Rimouski in 1984. The station at Rimouski is the only one remaining as a reference for NAVD88.	
Release date	1993	

Scope	Spatial referencing

Extent

Description	**United States (USA) - onshore - Alaska, CONUS (Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming).**	
Geographic Bounding Box	*West-bound longitude*	172.0
	North-bound latitude	73.0
	East-bound longitude	-66.0
	South-bound latitude	24.0

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 status	VALID	
Identifier	35	
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	