ISO Geodetic Registry

Item class	VerticalCRS	
Name	**LT at Pago Pago - NOHt**	
Item status	VALID	
Identifier	741	
Alias	Mean Sea Level at Pago Pago	
Alias	MSL at Pago Pago	
Information source	*Title*	Supersession of Vertical Datum for Surveying and Mapping Activities for the Island of Tutuila, American Samoa
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	2020-03-12
	Edition	
	Edition date	
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 85, No. 49, Document 2020-05047
	Page	14466-14467
	Other citation details	Replacement of ASVD 02 with local mean sea level (MSL) datum at the Pago Pago tide gauge. https://www.govinfo.gov/content/pkg/FR-2020-03-12/pdf/FR-2020-03-12.pdf (accessed 2020-11-08)
Data source	ISO Geodetic Registry	
Remarks	Adopted 2020. Replaces ASVD 02.	
Scope	Spatial referencing	
Datum	Local Tidal Datum at Pago Pago	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: m.	

Extent

Description	**American Samoa - onshore - Tutuila.**	
Geographic Bounding Box	*West-bound longitude*	-171.0
	North-bound latitude	-14.0
	East-bound longitude	-170.0
	South-bound latitude	-14.5

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**Local Tidal Datum at Pago Pago**	
Item status	VALID	
Identifier	740	
Alias	Mean Sea Level at Pago Pago	
Alias	LT at Pago Pago	
Alias	MSL at Pago Pago	
Information source	*Title*	Supersession of Vertical Datum for Surveying and Mapping Activities for the Island of Tutuila, American Samoa
	Author	US Government
	Publisher	Office of Federal Register, NARA
	Publication date	2020-03-12
	Edition	
	Edition date	
	Series/Journal name	Federal Register Notice
	Issue identification	Volume 85, No. 49, Document 2020-05047
	Page	14466-14467
	Other citation details	Replacement of ASVD 02 with local Local Tidal (LT) datum at the Pago Pago tide gauge. https://www.govinfo.gov/content/pkg/FR-2020-03-12/pdf/FR-2020-03-12.pdf (accessed 2020-11-08)
Data source	ISO Geodetic Registry	
Remarks	Replaces ASVD 02. The National Geodetic Survey (NGS), National Ocean Service (NOS), has determined that the bench marks providing geodetic control for ASVD 02 shifted as a result of movements from earthquakes. Additionally, the Primary Bench Mark (PBM) associated with ASVD 02 (177 0000 S) and the Pago Pago tide gauge itself was determined to be unstable and were destroyed. Consequently, the levelled bench marks and the datum point associated with ASVD 02 are no longer suitable for geodetic control. LT at Pago Pago is in interim datum and will eventually be replaced by the North American Geopotential Datum of 2022.	
Anchor definition	Local tidal (LT) datum based on mean sea level (MSL) at the Pago Pago tide gauge during the period 2011-2016. The datum is realized primarily by the National Water Levels Observation Network (NWLON) bench mark number 1770000 W with an orthometric height of 2.955 meters above the established LT datum at Pago Pago.	
Release date	2020-03-12	
Coordinate Reference Epoch	2013.5	
Scope	Spatial referencing	

Extent

Description	**American Samoa - onshore - Tutuila.**	
Geographic Bounding Box	*West-bound longitude*	-171.0
	North-bound latitude	-14.0
	East-bound longitude	-170.0
	South-bound latitude	-14.5

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	