ISO Geodetic Registry

Item class	VerticalCRS	
Name	**KVD1964 - NOHt**	
Item status	VALID	
Identifier	1010	
Alias	Korean Vertical Datum 1964	
Alias	KVD1964	
Information source	*Title*	Definition of Vertical Datum
	Author	Geodesy Department, NGII
	Publisher	National Geographic Information Institute (NGII), Ministry of Construction and Transportation, Republic of Korea
	Revision date	2018-05
	Other citation details	Web page in Korean, accessible only within Korea. http://map.ngii.go.kr/ms/mesrInfo/vertclStdrOpenLctre.do#tab_3 (accessed 2023-06-01)
Information source	*Title*	Adjustment of 1st Order Level Network of Korea in 2006
	Author	C.-K. Lee, Y.C. Suh, B.-N. Jeon, C.-H. Song
	Publisher	Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
	Publication date	2008
	Series/Journal name	Journal of the Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
	Issue identification	Volume 26, Issue 1
	Page	17-26
	Other citation details	In Korean. https://koreascience.kr/article/JAKO200810737143498.pdf (accessed 2023-04-10)
Data source	ISO Geodetic Registry	
Scope	Spatial referencing	
Datum	Korean Vertical Datum 1964	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: m.	

Extent

Description	**Republic of Korea - onshore**

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**Korean Vertical Datum 1964**	
Item status	VALID	
Identifier	1005	
Alias	KVD1964	
Information source	*Title*	Adjustment of 1st Order Level Network of Korea in 2006
	Author	C.-K. Lee, Y.C. Suh, B.-N. Jeon, C.-H. Song
	Publisher	Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
	Publication date	2008
	Series/Journal name	Journal of the Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
	Issue identification	Volume 26, Issue 1
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Information source	*Title*	Definition of Vertical Datum
	Author	Geodesy Department, NGII
	Publisher	National Geographic Information Institute (NGII), Ministry of Construction and Transportation, Republic of Korea
	Revision date	2018-05
	Other citation details	Web page in Korean, accessible only within Korea. http://map.ngii.go.kr/ms/mesrInfo/vertclStdrOpenLctre.do#tab_3 (accessed 2023-06-01)
Data source	ISO Geodetic Registry	
Remarks	Levelling-based datum using normal orthometric heights.	
Anchor definition	Korean Vertical Datum of 1964 (KVD1964) consists of a leveling network onshore and offshore, excluding remote islands, referenced to MSL at tide stations at Incheon (1913-1916). The origin point at Inha technical collage, Incheon was determined with a height of 26.6871m above the Incheon MSL. The datum involves a leveling network of approximately 7,300 bench marks and 5,500 control points across the mainland referenced to the Incheon origin. Separate island networks have origins referenced to local tidal gauge stations.	
Release date	1964	
Scope	Spatial referencing	

Extent

Description	**Republic of Korea - onshore**

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	