

# ISO Geodetic Registry

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

## Extent

<i>Description</i>	<b>Republic of Korea - onshore</b>
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<i>Item class</i>	VerticalDatum	
<i>Name</i>	<b>Korean Vertical Datum 1964</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	1005	
<i>Alias</i>	KVD1964	
<i>Information source</i>	<i>Title</i>	Adjustment of 1st Order Level Network of Korea in 2006
	<i>Author</i>	C.-K. Lee, Y.C. Suh, B.-N. Jeon, C.-H. Song
	<i>Publisher</i>	Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
	<i>Publication date</i>	2008
	<i>Series/Journal name</i>	Journal of the Korean Society of Surveying, Geodesy, Photogrammetry and Cartography
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	<i>Other citation details</i>	In Korean. <a href="https://koreascience.kr/article/JAKO200810737143498.pdf">https://koreascience.kr/article/JAKO200810737143498.pdf</a> (accessed 2023-04-10)
	<i>Title</i>	Definition of Vertical Datum
	<i>Author</i>	Geodesy Department, NGII
<i>Information source</i>	<i>Publisher</i>	National Geographic Information Institute (NGII), Ministry of Construction and Transportation, Republic of Korea
	<i>Revision date</i>	2018-05
	<i>Other citation details</i>	Web page in Korean, accessible only within Korea. <a href="http://map.ngii.go.kr/ms/mesrInfo/vertclStdOpenLctre.do#tab_3">http://map.ngii.go.kr/ms/mesrInfo/vertclStdOpenLctre.do#tab_3</a> (accessed 2023-06-01)
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Levelling-based datum using normal orthometric heights.	
<i>Anchor definition</i>	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.	
<i>Release date</i>	1964	
<i>Scope</i>	Spatial referencing	

## Extent

<i>Description</i>	<b>Republic of Korea - onshore</b>
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# ISO Geodetic Registry

<i>Item class</i>	VerticalCS	
<i>Name</i>	<b>Vertical CS. Axis: height (H). Orientation: up. UoM: m.</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	42	
<i>Information source</i>	<i>Title</i>	ISO 19111 Geographical information - Spatial referencing by coordinates
	<i>Author</i>	International Organization for Standardization (ISO)
	<i>Publisher</i>	International Organization for Standardization (ISO)
	<i>Publication date</i>	2007-07-01
	<i>Edition</i>	Second Edition
	<i>Series/Journal name</i>	International Standard
	<i>Issue identification</i>	ISO 19111:2007
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Used in vertical coordinate reference systems.	

## Axes

<i>Item class</i>	CoordinateSystemAxis	
<i>Name</i>	<b>Gravity-related height</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	35	
<i>Information source</i>	<i>Title</i>	ISO 19111 Geographical information - Spatial referencing by coordinates
	<i>Author</i>	International Organization for Standardization (ISO)
	<i>Publisher</i>	International Organization for Standardization (ISO)
	<i>Publication date</i>	2007-07-01
	<i>Edition</i>	Second Edition
	<i>Series/Journal name</i>	International Standard
	<i>Issue identification</i>	ISO 19111:2007
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Used in a 1D vertical coordinate system.	
<i>Abbreviation</i>	H	
<i>Direction</i>	up	
<i>Unit</i>	metre	