

# ISO Geodetic Registry

|                           |   |   |
|---------------------------|---|---|
| <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   |
|                           | <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>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> |
|--------------------|------------------------------------|