

# ISO Geodetic Registry

|                           |   |   |
|---------------------------|---|---|
| <i>Item class</i>         | VerticalCRS   |   |
| <i>Name</i>               | <b>National Height Datum 1985 - NHt</b>                 |   |
| <i>Item status</i>        | VALID   |   |
| <i>Identifier</i>         | 735   |   |
| <i>Information source</i> | <i>Title</i>  | A Study on the 1985 National Dautm Level of Altitude  |
|                           | <i>Author</i>   | Z. Chen, T. Zhou, Y. Yu, et al.   |
|                           | <i>Publication date</i>                                 | 1988  |
|                           | <i>Edition date</i>                                     |   |
|                           | <i>Series/Journal name</i>                              | Journal of Ocean University of Qingdao  |
|                           | <i>Issue identification</i>                             | 18(1)   |
|                           | <i>Page</i>   | 9-14  |
|                           | <i>Other citation details</i>                           | In Chinese; <a href="http://doi.org/10.16441/j.cnki.hdx.1988.03.002">http://doi.org/10.16441/j.cnki.hdx.1988.03.002</a> (accessed 2020-05-15)   |
|                           | <i>Title</i>  | Modernization of National Geodetic Datum in China   |
|                           | <i>Author</i>   | P. Zhang, Z. Li, H. Wen   |
| <i>Information source</i> | <i>Publisher</i>  | United Nations Economic and Social Council  |
|                           | <i>Publication date</i>                                 | 2012  |
|                           | <i>Series/Journal name</i>                              | Nineteenth United Nations Regional Cartographic Conference for Asia and the Pacific, Bangkok, 29 October – 1 November 2012  |
|                           | <i>Issue identification</i>                             | E/CONF.102/IP.16  |
|                           | <i>Other citation details</i>                           | <a href="https://unstats.un.org/unsd/geoinfo/RCC/docs/rccap19/ip/E_Conf.102_IP16_Modernization%20of%20National%20Geodetic%20Datum%20in%20China.pdf">https://unstats.un.org/unsd/geoinfo/RCC/docs/rccap19/ip/E_Conf.102_IP16_Modernization%20of%20National%20Geodetic%20Datum%20in%20China.pdf</a> (accessed 2020-05-15) |
| <i>Data source</i>        | ISO Geodetic Registry                                   |   |
| <i>Remarks</i>            | Adopted May 1987 by China. Replaaces Yellow Sea 1956.   |   |
| <i>Scope</i>              | Spatial referencing                                     |   |
| <i>Datum</i>              | National Height Datum 1985                              |   |
| <i>Coordinate System</i>  | Vertical CS. Axis: height (H). Orientation: up. UoM: m. |   |

## Extent

|                    |                        |
|--------------------|------------------------|
| <i>Description</i> | <b>China - onshore</b> |
|--------------------|------------------------|

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|                           |   |   |
|---------------------------|---|---|
| <i>Item class</i>         | VerticalDatum   |   |
| <i>Name</i>               | <b>National Height Datum 1985</b>   |   |
| <i>Item status</i>        | VALID   |   |
| <i>Identifier</i>         | 731   |   |
| <i>Information source</i> | <i>Title</i>  | Modernization of National Geodetic Datum in China   |
|                           | <i>Author</i>   | P. Zhang, Z. Li, H. Wen   |
|                           | <i>Publisher</i>  | United Nations Economic and Social Council  |
|                           | <i>Publication date</i>   | 2012  |
|                           | <i>Series/Journal name</i>  | Nineteenth United Nations Regional Cartographic Conference for Asia and the Pacific, Bangkok, 29 October – 1 November 2012  |
|                           | <i>Issue identification</i>   | E/CONF.102/IP.16  |
|                           | <i>Other citation details</i>   | <a href="https://unstats.un.org/unsd/geoinfo/RCC/docs/rccap19/ip/E_Conf.102_IP16_Modernization%20of%20National%20Geodetic%20Datum%20in%20China.pdf">https://unstats.un.org/unsd/geoinfo/RCC/docs/rccap19/ip/E_Conf.102_IP16_Modernization%20of%20National%20Geodetic%20Datum%20in%20China.pdf</a> (accessed 2020-05-15) |
| <i>Information source</i> | <i>Title</i>  | A Study on the 1985 National Dautm Level of Altitude  |
|                           | <i>Author</i>   | Z. Chen, T. Zhou, Y. Yu, et al.   |
|                           | <i>Publication date</i>   | 1988  |
|                           | <i>Edition date</i>   |   |
|                           | <i>Series/Journal name</i>  | Journal of Ocean University of Qingdao  |
|                           | <i>Issue identification</i>   | 18(1)   |
|                           | <i>Page</i>   | 9-14  |
| <i>Information source</i> | <i>Other citation details</i>   | In Chinese; <a href="http://doi.org/10.16441/j.cnki.hdx.1988.03.002">http://doi.org/10.16441/j.cnki.hdx.1988.03.002</a> (accessed 2020-05-15)   |
|                           | <i>Title</i>  | Station GNSS continuous operation reference stations  |
|                           | <i>Author</i>   | National Basic Geographic Information Center  |
|                           | <i>Publisher</i>  | National Geomatics Center of China  |
|                           | <i>Publication date</i>   | 2019  |
| <i>Information source</i> | <i>Other citation details</i>   | In Chinese; <a href="http://www.ngcc.cn/ngcc/html/1/396/401/16122.html">http://www.ngcc.cn/ngcc/html/1/396/401/16122.html</a> (accessed 2020-06-05)   |
|                           | <i>Title</i>  |   |
| <i>Data source</i>        | ISO Geodetic Registry   |   |
| <i>Remarks</i>            | Normal heights are used. Replaces Yellow Sea 1956 Height Datum.   |   |
| <i>Anchor definition</i>  | The National Height Datum 1985 is defined by mean sea level at Qinqdao using more than 20 years of tide gauge observations. It is realized and maintained by a first-order levelling network of 27,400 bench marks with 122,000 km of first-order leveling. |   |
| <i>Release date</i>       | 1987-05-01  |   |
| <i>Scope</i>              | Spatial referencing   |   |

## Extent

|                    |                        |
|--------------------|------------------------|
| <i>Description</i> | <b>China - onshore</b> |
|--------------------|------------------------|

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|                           |  |   |
|---------------------------|--|---|
| <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                                    |   |