

# ISO Geodetic Registry

|                           |                                             |                                                                                        |
|---------------------------|---------------------------------------------|----------------------------------------------------------------------------------------|
| <i>Item class</i>         | Transformation                              |                                                                                        |
| <i>Name</i>               | <b>NAD 83 (HARN) to NAVD88 - OHt [v2]</b>   |                                                                                        |
| <i>Item status</i>        | VALID                                       |                                                                                        |
| <i>Identifier</i>         | 717                                         |                                                                                        |
| <i>Alias</i>              | GEOID99                                     |                                                                                        |
| <i>Information source</i> | <i>Title</i>                                | National Geodetic Survey Geoid Homepage                                                |
|                           | <i>Author</i>                               | National Geodetic Survey                                                               |
|                           | <i>Publisher</i>                            | National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS) |
|                           | <i>Revision date</i>                        | 2017-04-16                                                                             |
|                           | <i>Edition date</i>                         |                                                                                        |
|                           | <i>Other citation details</i>               | Webpage for GEOID12B, GEOID09, GEOID06, GEOID03, GEOID99                               |
| <i>Data source</i>        | ISO Geodetic Registry                       |                                                                                        |
| <i>Remarks</i>            | Grid transformation                         |                                                                                        |
| <i>Operation version</i>  | v2                                          |                                                                                        |
| <i>Scope</i>              | Spatial referencing                         |                                                                                        |
| <i>Operation accuracy</i> | 0.05 m                                      |                                                                                        |
| <i>Source CRS</i>         | NAD 83 (HARN) - LatLonEht                   |                                                                                        |
| <i>Target CRS</i>         | NAVD88 - OHt                                |                                                                                        |
| <i>Operation method</i>   | Geographic3D to Gravity Related Height (US) |                                                                                        |

## Extent

|                                |                                                                                                                                                                               |        |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <i>Description</i>             | <b>United States (USA) - onshore - CONUS north of 41°N and between 112°W and 95°W (Idaho, Iowa, Minnesota, Montana, Nebraska, North Dakota, South Dakota, Utah, Wyoming).</b> |        |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i>                                                                                                                                                   | -112.0 |
|                                | <i>North-bound latitude</i>                                                                                                                                                   | 49.38  |
|                                | <i>East-bound longitude</i>                                                                                                                                                   | -95.0  |
|                                | <i>South-bound latitude</i>                                                                                                                                                   | 41.0   |

## Operation parameter values

|                                             |              |
|---------------------------------------------|--------------|
| <i>Geoid (height correction) model file</i> | g1999u02.bin |
|---------------------------------------------|--------------|

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|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| <i>Item class</i>  | OperationMethod                                                                    |
| <i>Name</i>        | <b>Geographic3D to Gravity Related Height (US)</b>                                 |
| <i>Item status</i> | VALID                                                                              |
| <i>Identifier</i>  | 93                                                                                 |
| <i>Data source</i> | ISO Geodetic Registry                                                              |
| <i>Remarks</i>     | Transformation of the vertical component of a Geographic 3D CRS to a Vertical CRS. |

## Operation parameters

|                                             |
|---------------------------------------------|
| <i>Geoid (height correction) model file</i> |
|---------------------------------------------|