

# ISO Geodetic Registry

|                           |   |  |
|---------------------------|---|--|
| <i>Item class</i>         | Transformation                              |  |
| <i>Name</i>               | <b>NAD 83 (HARN) to NAVD88 - OHt [v3]</b>   |  |
| <i>Item status</i>        | VALID                                       |  |
| <i>Identifier</i>         | 538   |  |
| <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>  | v3  |  |
| <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 95°W and 78°W (Illinois, Indiana, Iowa, Michigan, Minnesota, New York, Ohio, Pennsylvania, Wisconsin).</b> |        |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i>   | -95.0  |
|                                | <i>North-bound latitude</i>   | 49.37  |
|                                | <i>East-bound longitude</i>   | -77.99 |
|                                | <i>South-bound latitude</i>   | 41.0   |

## Operation parameter values

|   |              |
|---|--------------|
| <i>Geoid (height correction) model file</i> | g1999u03.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> |
|---|