

# ISO Geodetic Registry

|                           |  |   |
|---------------------------|--|---|
| <i>Item class</i>         | Transformation   |   |
| <i>Name</i>               | <b>NAD83(Original) to NAD83(CSRS) v2 [SKv1]</b>                    |   |
| <i>Item status</i>        | VALID  |   |
| <i>Identifier</i>         | 794  |   |
| <i>Information source</i> | <i>Title</i>   | FAQ: What are some of the transformation methods for Canada?  |
|                           | <i>Author</i>  | Esri Canada   |
|                           | <i>Publisher</i>   | Esri, Redlands, CA  |
|                           | <i>Publication date</i>  | 2016-05-05  |
|                           | <i>Issue identification</i>  | Article ID: 000011846   |
|                           | <i>Other citation details</i>                                      | <a href="http://downloads2.esri.com/support/TechArticles/Grid-based_Transformation_Methods_for_Canada3.pdf">http://downloads2.esri.com/support/TechArticles/Grid-based_Transformation_Methods_for_Canada3.pdf</a> (accessed 2021-11-26) |
| <i>Information source</i> | <i>Title</i>   | Desktop Applications: NTV2  |
|                           | <i>Author</i>  | Canadian Geodetic Survey  |
|                           | <i>Publisher</i>   | Canadian Geodetic Survey, Surveyor General Branch, Earth Sciences Sector, Natural Resources Canada, Government of Canada  |
|                           | <i>Publication date</i>  | 2017-02-28  |
| <i>Information source</i> | <i>Other citation details</i>                                      | Webpage. <a href="https://webapp.geod.nrcan.gc.ca/geod/tools-outils/applications.php?locale=en">https://webapp.geod.nrcan.gc.ca/geod/tools-outils/applications.php?locale=en</a> (accessed N4 (accessed 2021-11-26)                     |
|                           | <i>Title</i>   | Grid shift files  |
|                           | <i>Author</i>  | Saskatchewan Information Services Corporation (ISC)   |
|                           | <i>Publisher</i>   | Saskatchewan Information Services Corporation (ISC), Geomatics Distribution Centre, Regina, Saskatchewan  |
| <i>Information source</i> | <i>Publication date</i>  | 2017-03-28  |
|                           | <i>Other citation details</i>                                      | Webpage. <a href="https://www.isc.ca/MapsandPhotos/GISData/Pages/Shift.aspx">https://www.isc.ca/MapsandPhotos/GISData/Pages/Shift.aspx</a> (accessed 2021-11-26)  |
|                           | <i>Title</i>   | Coordinate Transformations  |
|                           | <i>Author</i>  | Canadian Geodetic Survey  |
| <i>Information source</i> | <i>Publisher</i>   | Canadian Geodetic Survey, Natural Resources Canada, Ottawa, ON, Canada  |
|                           | <i>Revision date</i>   | 2021-06-23  |
|                           | <i>Other citation details</i>                                      | Webpage. <a href="https://webapp.geod.nrcan.gc.ca/geod/data-donnees/transformations.php">https://webapp.geod.nrcan.gc.ca/geod/data-donnees/transformations.php</a> (accessed 2021-06-23)  |
| <i>Data source</i>        | ISO Geodetic Registry  |   |
| <i>Remarks</i>            | Grid tranformation in NTV2 format adopted for use in Saskatchewan. |   |
| <i>Operation version</i>  | SKv1   |   |
| <i>Scope</i>              | Spatial referencing  |   |
| <i>Operation accuracy</i> | 0.1 m  |   |
| <i>Source CRS</i>         | NAD 83 (1986) - LatLon   |   |
| <i>Target CRS</i>         | NAD83(CSRS) v2 - LatLon  |   |
| <i>Operation method</i>   | NTV2   |   |

## Extent

|                                |                               |        |
|--------------------------------|-------------------------------|--------|
| <i>Description</i>             | <b>Canada - Saskatchewan.</b> |        |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i>   | -110.0 |

|                             |         |
|-----------------------------|---------|
| <i>North-bound latitude</i> | 60.0    |
| <i>East-bound longitude</i> | -101.34 |
| <i>South-bound latitude</i> | 49.0    |

Operation parameter values

|   |             |
|---|-------------|
| <i>Latitude and Longitude difference file</i> | SK83-98.GSB |
|---|-------------|

# ISO Geodetic Registry

|                    |  |
|--------------------|--|
| <i>Item class</i>  | OperationMethod  |
| <i>Name</i>        | <b>NTv2</b>  |
| <i>Item status</i> | VALID  |
| <i>Identifier</i>  | 95   |
| <i>Alias</i>       | National Transformation version 2 grid shift   |
| <i>Data source</i> | ISO Geodetic Registry  |
| <i>Remarks</i>     | National Transformation version 2 grid shift file interpolation. Geodetic transformation operating on a grid of 2D geographic coordinate differences by bi-linear interpolation. Assumes longitudes to be positive west. |

## Operation parameters

|   |
|---|
| <i>Latitude and Longitude difference file</i> |
|---|