

ISO Geodetic Registry

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|---------------------------|--|---|
| <i>Item class</i> | Transformation | |
| <i>Name</i> | NAD27 to ATS77 [NSv1] | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 584 | |
| <i>Information source</i> | <i>Title</i> | The Evolution of Nova Scotia's Spatial Referencing System from its Origins until 2012 |
| | <i>Author</i> | J. Bond, W. Robertson |
| | <i>Publisher</i> | Canadian Institute of Geomatics |
| | <i>Publication date</i> | 2015 |
| | <i>Series/Journal name</i> | Geomatica |
| | <i>Issue identification</i> | Volume 69, No. 4 |
| <i>Information source</i> | <i>Page</i> | 407-418 |
| | <i>Title</i> | RE: NAD27 - ATS77 transformation? |
| | <i>Author</i> | J. Bond |
| | <i>Publisher</i> | GeoNOVA, Geographic Information Services, Nova Scotia Geomatics Centre, Government of Nova Scotia |
| <i>Information source</i> | <i>Publication date</i> | 2017-05-09 |
| | <i>Other citation details</i> | Personal email communication. |
| | <i>Title</i> | FAQ: What are some of the transformation methods for Canada? |
| | <i>Author</i> | Esri Canada |
| <i>Information source</i> | <i>Publisher</i> | Esri, Redlands, CA |
| | <i>Publication date</i> | 2016-05-05 |
| | <i>Issue identification</i> | Article ID: 000011846 |
| | <i>Title</i> | A spatial referencing policy for the Province of Nova Scotia: Policy Document |
| <i>Information source</i> | <i>Author</i> | GeoNOVA Reference Coordinate System Policy Node |
| | <i>Publisher</i> | GeoNOVA, Service Nova Scotia and Municipal Relations |
| | <i>Publication date</i> | 2006-01 |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Remarks</i> | Grid transformation in NTv2 format adopted for use in Nova Scotia. | |
| <i>Operation version</i> | NSv1 | |
| <i>Scope</i> | Spatial referencing | |
| <i>Operation accuracy</i> | 0.1 m | |
| <i>Source CRS</i> | NAD27 - LatLon | |
| <i>Target CRS</i> | ATS77 - LatLon | |
| <i>Operation method</i> | NTv2 | |

Extent

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|--------------------------------|---|--------|
| <i>Description</i> | Canada - onshore and offshore - Nova Scotia. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -66.28 |
| | <i>North-bound latitude</i> | 47.08 |
| | <i>East-bound longitude</i> | -59.73 |
| | <i>South-bound latitude</i> | 43.41 |

Operation parameter values

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|---|--------------|
| <i>Latitude and Longitude difference file</i> | TRNS2777.DAT |
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ISO Geodetic Registry

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|--------------------|--|
| <i>Item class</i> | OperationMethod |
| <i>Name</i> | NTv2 |
| <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

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