

ISO Geodetic Registry

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|---------------------------|---|---|
| <i>Item class</i> | Transformation | |
| <i>Name</i> | ATS77 to NAD27 [PEv1] | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 648 | |
| <i>Information source</i> | <i>Title</i> | Re: ATS77 - NAD27 transformation grids |
| | <i>Author</i> | W. Tremblay |
| | <i>Publisher</i> | Land and Environment Surveys, Department of Transportation, Infrastructure and Energy, Government of Prince Edward Island |
| | <i>Publication date</i> | 2017-05-11 |
| | <i>Other citation details</i> | Personal email communication. |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Remarks</i> | Grid tranformation in NTv2 format adopted for use in New Brunswick. | |
| <i>Operation version</i> | PEv1 | |
| <i>Scope</i> | Spatial referencing | |
| <i>Operation accuracy</i> | 1.5 m | |
| <i>Source CRS</i> | ATS77 - LatLon | |
| <i>Target CRS</i> | NAD27 - LatLon | |
| <i>Operation method</i> | NTv2 | |

Extent

| | | |
|--------------------------------|--|--------|
| <i>Description</i> | Canada - onshore and offshore - Prince Edward Island. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -64.49 |
| | <i>North-bound latitude</i> | 47.09 |
| | <i>East-bound longitude</i> | -61.9 |
| | <i>South-bound latitude</i> | 45.9 |

Operation parameter values

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|---|--------------|
| <i>Latitude and Longitude difference file</i> | TRPE7727.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

Latitude and Longitude difference file