

ISO Geodetic Registry

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| <i>Item class</i> | Transformation | |
| <i>Name</i> | NAD27 to NAD83(Original) [QCv1] | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 571 | |
| <i>Information source</i> | <i>Title</i> | RE: GSD file |
| | <i>Author</i> | Y. Theriault |
| | <i>Publisher</i> | Service de la geodesie et des leves geospaciaux, Direction de la reference geographique, Direction generale de l'information geospaciale, Ministere de l'Energie et des Ressources naturelles, Gouvernement du Quebec |
| | <i>Publication date</i> | 2017-03-01 |
| <i>Information source</i> | <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>Publisher</i> | Esri, Redlands, CA |
| <i>Information source</i> | <i>Publication date</i> | 2016-05-05 |
| | <i>Issue identification</i> | Article ID: 000011846 |
| | <i>Title</i> | Desktop Applications: NTv2 |
| | <i>Author</i> | Canadian Geodetic Survey |
| <i>Information source</i> | <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>Data source</i> | ISO Geodetic Registry | |
| <i>Remarks</i> | Grid tranformation in NTv2 format adopted for use in Quebec. | |
| <i>Operation version</i> | QCv1 | |
| <i>Scope</i> | Spatial referencing | |
| <i>Operation accuracy</i> | 1.5 m | |
| <i>Source CRS</i> | NAD27 - LatLon | |
| <i>Target CRS</i> | NAD 83 (1986) - LatLon | |
| <i>Operation method</i> | NTv2 | |

Extent

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|--------------------------------|--|--------|
| <i>Description</i> | Canada - onshore and offshore - Quebec. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -79.85 |
| | <i>North-bound latitude</i> | 62.62 |
| | <i>East-bound longitude</i> | -57.1 |
| | <i>South-bound latitude</i> | 44.99 |

Operation parameter values

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|---|--------------|
| <i>Latitude and Longitude difference file</i> | NA27NA83.GSB |
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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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