ISO Geodetic Registry

Item class Transformation

NAD83(Original) to NAD83(CSRS) v2 [QCv1]

Item statusVALIDIdentifier609

Information source Title FAQ: What are some of the transformation

methods for Canada?

Author Esri Canada
Publisher Esri, Redlands, CA
Publication date 2016-05-05

Issue identification Article ID: 000011846
Title Desktop Applications: NTv2

Information source Title Desktop Applications: NTv2
Author Canadian Geodetic Survey

Publisher Canadian Geodetic Survey, Surveyor General

Branch, Earth Sciences Sector, Natural Resources Canada, Government of Canada

Publication date 2017-02-28
Information source Title RE: GSD file
Author Y. Theriault

Publisher Service de la geodesie et des leves geospatiaux,

Direction de la reference geographique, Direction generale de l'information geospatiale, Ministere de l'Energie et des Ressources naturelles,

Gouvernement du Quebec

Publication date 2017-03-01

Other citation details Personal email communication.

Data source ISO Geodetic Registry

Remarks Grid tranformation in NTv2 format adopted for use in Quebec.

Operation version QCv1

Scope Spatial referencing

Operation accuracy 0.1 m

Source CRS NAD 83 (1986) - LatLon
Target CRS NAD83(CSRS) v2 - LatLon

Operation method NTv2

Extent

Description

Geographic Bounding Box

West-bound longitude
North-bound latitude
East-bound longitude
South-bound latitude
South-bound latitude
South-bound latitude

Canada - onshore and offshore - Quebec.

79.85
62.62
62.62
57.1
South-bound latitude
44.99

Operation parameter values

Latitude and Longitude difference file NA83SCRS.GSB

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Item class OperationMethod

Name NTv2
Item status VALID
Identifier 95

Alias National Transformation version 2 grid shift

Data source ISO Geodetic Registry

Remarks 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