ISO Geodetic Registry

Item class Transformation

NAD27 to NAD83(CSRS) v2 [BCv1]

Item statusVALIDIdentifier581

Information source Title MASCOT Survey Utilities: National

Transformation Coordinate Conversions

Author GeoBC

Publisher GeoBC, Government of British Columbia

Publication date 2017-03-28

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

Data source ISO Geodetic Registry

Remarks Grid tranformation in NTv2 format adopted for use in British Columbia.

Operation version BCv1

Scope Spatial referencing

Operation accuracy 1.5 m

Source CRS NAD27 - LatLon

Target CRS NAD83(CSRS) v2 - LatLon

Operation method NTv2

Extent

Description	Canada - onshore and offshore - British	
	Columbia.	
Geographic Bounding Box	West-bound longitude	-139.04
	North-bound latitude	60.01
	East-bound longitude	-114.08
	South-bound latitude	48.25

Operation parameter values

Latitude and Longitude difference file	BC_27_98.GSB	

ISO Geodetic Registry

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