ISO Geodetic Registry

Item class	Transformation	
Name	**NAD27 to NAD83(Original) [CAv1]**	
Item status	VALID	
Identifier	637	
Information source	*Title*	The National Transformation for Converting Between NAD27 and NAD83 in Canada
	Author	D. Junkings
	Publisher	Canadian Institute of Surveying and Mapping, Ottawa, Canada
	Publication date	1990
	Series/Journal name	Moving to NAD '83: the new address for georeferenced data in Canada, D.C. Barnes (ed.)
	Page	16-40
Information source	*Title*	NTv2 National Transformation Version 2: User's Guide
	Author	D.R. Junkings, S.A. Farley
	Publisher	Geodetic Survey Division, Geomatics Canada, Natural Resources Canada, Government of Canada
	Publication date	1995-09
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
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 Canada.	
Operation version	CAv1	
Scope	Spatial referencing	
Operation accuracy	1.5 m	
Source CRS	NAD27 - LatLon	
Target CRS	NAD 83 (1986) - LatLon	
Operation method	NTv2	

Extent

Description	**Canada - onshore and offshore - Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Quebec, Saskatchewan, Yukon.**	
Geographic Bounding Box	*West-bound longitude*	-141.01
	North-bound latitude	90.0
	East-bound longitude	-47.74

South-bound latitude	40.04

Operation parameter values

Latitude and Longitude difference file	NTV2_0.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