

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>NAD27 to NAD83(CSRS) v3 [ONv1]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	511	
<i>Information source</i>	<i>Title</i>	NTv2 Grid Shift Files for Ontario
	<i>Author</i>	Land Information Ontario
	<i>Publisher</i>	Land Information Ontario, Metadata Tool
	<i>Publication date</i>	2016-03-22
<i>Information source</i>	<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>Publication date</i>	2016-05-05
<i>Information source</i>	<i>Issue identification</i>	Article ID: 000011846
	<i>Title</i>	Desktop Applications: NTv2
	<i>Author</i>	Canadian Geodetic Survey
	<i>Publisher</i>	Canadian Geodetic Survey, Surveyor General Branch, Earth Sciences Sector, Natural Resources Canada, Government of Canada
<i>Data source</i>	<i>Publication date</i>	2017-02-28
	ISO Geodetic Registry	
<i>Remarks</i>	Grid transformation in NTv2 format adopted for use in Ontario, excluding Toronto.	
<i>Operation version</i>	ONv1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	1.5 m	
<i>Source CRS</i>	NAD27 - LatLon	
<i>Target CRS</i>	NAD83(CSRS) v3 - LatLon	
<i>Operation method</i>	NTv2	

## Extent

<i>Description</i>	<b>Canada - Ontario - excluding City of Toronto</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-95.16
	<i>North-bound latitude</i>	56.9
	<i>East-bound longitude</i>	-74.35
	<i>South-bound latitude</i>	41.67

## Operation parameter values

<i>Latitude and Longitude difference file</i>	ON27CSv1.GSB
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# ISO Geodetic Registry

<i>Item class</i>	OperationMethod
<i>Name</i>	<b>NTv2</b>
<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

<i>Latitude and Longitude difference file</i>
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