

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>NAD83(Original) to NAD83(CSRs) v4 [ABv1]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	469	
<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>Issue identification</i>	Article ID: 000011846
<i>Information source</i>	<i>Title</i>	Transformation Grid - NAD83(CSRs) Epoch 2002 to NAD83(Original) and v/v
	<i>Author</i>	G. Banham
	<i>Publisher</i>	Surveys Section (Geodetic Control Unit), Provincial Programs Branch, Operations Division, Alberta Environment and Parks, Government of Alberta
	<i>Publication date</i>	2017-01-30
	<i>Other citation details</i>	Personal email communication.
<i>Information source</i>	<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>Publication date</i>	2017-02-28
	<i>Other citation details</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Grid transformation in NTV2 format adopted for use in Alberta.	
<i>Operation version</i>	ABv1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	0.1 m	
<i>Source CRS</i>	NAD 83 (1986) - LatLon	
<i>Target CRS</i>	NAD83(CSRs) v4 - LatLon	
<i>Operation method</i>	NTv2	

## Extent

<i>Description</i>	<b>Canada - Alberta.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-120.0
	<i>North-bound latitude</i>	60.0
	<i>East-bound longitude</i>	-109.98
	<i>South-bound latitude</i>	48.99

## Operation parameter values

<i>Latitude and Longitude difference file</i>	ABCSRSv4.DAC
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<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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