

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>NAD27 to ATS77 [NSv1]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	584	
<i>Information source</i>	<i>Title</i>	The Evolution of Nova Scotia's Spatial Referencing System from its Origins until 2012
	<i>Author</i>	J. Bond, W. Robertson
	<i>Publisher</i>	Canadian Institute of Geomatics
	<i>Publication date</i>	2015
	<i>Series/Journal name</i>	Geomatica
	<i>Issue identification</i>	Volume 69, No. 4
<i>Information source</i>	<i>Page</i>	407-418
	<i>Title</i>	RE: NAD27 - ATS77 transformation?
	<i>Author</i>	J. Bond
	<i>Publisher</i>	GeoNOVA, Geographic Information Services, Nova Scotia Geomatics Centre, Government of Nova Scotia
	<i>Publication date</i>	2017-05-09
	<i>Other citation details</i>	Personal email communication.
<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>Title</i>	A spatial referencing policy for the Province of Nova Scotia: Policy Document
<i>Information source</i>	<i>Author</i>	GeoNOVA Reference Coordinate System Policy Node
	<i>Publisher</i>	GeoNOVA, Service Nova Scotia and Municipal Relations
	<i>Publication date</i>	2006-01
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Grid transformation in NTv2 format adopted for use in Nova Scotia.	
<i>Operation version</i>	NSv1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	0.1 m	
<i>Source CRS</i>	NAD27 - LatLon	
<i>Target CRS</i>	ATS77 - LatLon	
<i>Operation method</i>	NTv2	

## Extent

<i>Description</i>	<b>Canada - onshore and offshore - Nova Scotia.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-66.28
	<i>North-bound latitude</i>	47.08
	<i>East-bound longitude</i>	-59.73
	<i>South-bound latitude</i>	43.41

## Operation parameter values

<i>Latitude and Longitude difference file</i>	TRNS2777.DAT
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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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