

ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	ATS77 to NAD83(CSRS) v6 [NSv1]	
<i>Item status</i>	VALID	
<i>Identifier</i>	487	
<i>Information source</i>	<i>Title</i>	Development Notes: NS778302.GSB
	<i>Author</i>	GeoNOVA
	<i>Publisher</i>	GeoNOVA, Geographic Information Services, Nova Scotia Geomatics Centre, Government of Nova Scotia
	<i>Publication date</i>	2017-01-03
<i>Information source</i>	<i>Issue identification</i>	Document # NSCRS_GSB_001, Version 1.0
	<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>Information source</i>	<i>Publication date</i>	2016-05-05
	<i>Issue identification</i>	Article ID: 000011846
	<i>Title</i>	Bridging the Gap between ATS77 and NAD83(CSRS) in Nova Scotia
	<i>Author</i>	J. Bond
<i>Information source</i>	<i>Publisher</i>	Canadian Institute of Geomatics
	<i>Publication date</i>	2017
	<i>Series/Journal name</i>	Geomatica
	<i>Issue identification</i>	In press
<i>Information source</i>	<i>Title</i>	A spatial referencing policy for the Province of Nova Scotia: Policy Document
	<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>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>Information source</i>	<i>Series/Journal name</i>	Geomatica
	<i>Issue identification</i>	Volume 69, No. 4
	<i>Page</i>	407-418
	<i>Page</i>	407-418
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Grid tranformation in NTv2 format adopted for use in Nova Scotia.	
<i>Operation version</i>	NSv1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	0.06 m	
<i>Source CRS</i>	ATS77 - LatLon	
<i>Target CRS</i>	NAD83(CSRS) v6 - LatLon	
<i>Operation method</i>	NTv2	

Extent

<i>Description</i>	Canada - onshore and offshore - Nova Scotia.	
<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>	NS778302.GSB
---	--------------

ISO Geodetic Registry

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