ISO Geodetic Registry

Item class	Transformation	
Name	**ATS77 to NAD83(CSRS) v6 [NSv1]**	
Item status	VALID	
Identifier	487	
Information source	*Title*	Development Notes: NS778302.GSB
	Author	GeoNOVA
	Publisher	GeoNOVA, Geographic Information Services, Nova Scotia Geomatics Centre, Government of Nova Scotia
	Publication date	2017-01-03
	Issue identification	Document # NSCRS_GSB_001, Version 1.0
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*	Bridging the Gap between ATS77 and NAD83(CSRS) in Nova Scotia
	Author	J. Bond
	Publisher	Canadian Institute of Geomatics
	Publication date	2017
	Series/Journal name	Geomatica
	Issue identification	In press
Information source	*Title*	A spatial referencing policy for the Province of Nova Scotia: Policy Document
	Author	GeoNOVA Reference Coordinate System Policy Node
	Publisher	GeoNOVA, Service Nova Scotia and Municipal Relations
	Publication date	2006-01
Information source	*Title*	The Evolution of Nova Scotia's Spatial Referencing System from its Origins until 2012
	Author	J. Bond, W. Robertson
	Publisher	Canadian Institute of Geomatics
	Publication date	2015
	Series/Journal name	Geomatica
	Issue identification	Volume 69, No. 4
	Page	407-418
Data source	ISO Geodetic Registry	
Remarks	Grid tranformation in NTv2 format adopted for use in Nova Scotia.	
Operation version	NSv1	
Scope	Spatial referencing	
Operation accuracy	0.06 m	
Source CRS	ATS77 - LatLon	
Target CRS	NAD83(CSRS) v6 - LatLon	
Operation method	NTv2	

Extent

Description	**Canada - onshore and offshore - Nova Scotia.**	
Geographic Bounding Box	*West-bound longitude*	-66.28
	North-bound latitude	47.08
	East-bound longitude	-59.73

South-bound latitude	43.41

Operation parameter values

Latitude and Longitude difference file	NS778302.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