ISO Geodetic Registry

Item class	Transformation	
Name	**NAD27 to ATS77 [NSv1]**	
Item status	VALID	
Identifier	584	
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
Information source	Title	RE: NAD27 - ATS77 transformation?
	Author	J. Bond
	Publisher	GeoNOVA, Geographic Information Services, Nova Scotia Geomatics Centre, Government of Nova Scotia
	Publication date	2017-05-09
	Other citation details	Personal email communication.
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	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
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	0.1 m	
Source CRS	NAD27 - LatLon	
Target CRS	ATS77 - 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	TRNS2777.DAT

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