

ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	NAD27 to ATS77 [PEv1]	
<i>Item status</i>	VALID	
<i>Identifier</i>	528	
<i>Information source</i>	<i>Title</i>	Re: ATS77 - NAD27 transformation grids
	<i>Author</i>	W. Tremblay
	<i>Publisher</i>	Land and Environment Surveys, Department of Transportation, Infrastructure and Energy, Government of Prince Edward Island
	<i>Publication date</i>	2017-05-11
	<i>Other citation details</i>	Personal email communication.
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Grid transformation in NTv2 format adopted for use in New Brunswick.	
<i>Operation version</i>	PEv1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	1.5 m	
<i>Source CRS</i>	NAD27 - LatLon	
<i>Target CRS</i>	ATS77 - LatLon	
<i>Operation method</i>	NTv2	

Extent

<i>Description</i>	Canada - onshore and offshore - Prince Edward Island.	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-64.49
	<i>North-bound latitude</i>	47.09
	<i>East-bound longitude</i>	-61.9
	<i>South-bound latitude</i>	45.9

Operation parameter values

<i>Latitude and Longitude difference file</i>	TRPE2777.DAT
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<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>
