

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>NZGD1949 to NZGD2000 [LINZv3]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	640	
<i>Information source</i>	<i>Title</i>	Standard for New Zealand Geodetic Datum 2000
	<i>Author</i>	Office of the Surveyor General
	<i>Publisher</i>	Land Information New Zealand
	<i>Publication date</i>	2007-11-16
	<i>Edition date</i>	
	<i>Issue identification</i>	LINZS25000
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Highest accuracy grid-based version of NZGD1949 to NZGD2000 transformation by LINZ. For lower (4 m) accuracy use seven parameter transformation version LINZv2. For lowest (5 m) accuracy use three transformation version LINZv1.	
<i>Operation version</i>	LINZv3	
<i>Scope</i>	Spatial referencing.	
<i>Operation accuracy</i>	0.5 m	
<i>Source CRS</i>	NZGD1949 - LatLon	
<i>Target CRS</i>	NZGD2000 - LatLon	
<i>Operation method</i>	NTv2	

## Extent

<i>Description</i>	<b>New Zealand - onshore and nearshore - North Island, South Island, Stewart Island.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	165.87
	<i>North-bound latitude</i>	-33.89
	<i>East-bound longitude</i>	179.27
	<i>South-bound latitude</i>	-47.65

## Operation parameter values

<i>Latitude and Longitude difference file</i>	nzgd2kgrid0005.gsb
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<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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