ISO Geodetic Registry

Item class Transformation

NZGD1949 to NZGD2000 [LINZv3]

Item status VALID
Identifier 640

Information source Title Standard for New Zealand Geodetic Datum 2000

Author Office of the Surveyor General Publisher Land Information New Zealand

Publication date 2007-11-16

Edition date

Issue identification LINZS25000

Data source ISO Geodetic Registry

Remarks Highest accuracy grid-based version of NZGD1949 to NZGD2000

transformation by LINZ. For lower (4 m) accuracy accuracy use seven parameter transformation version LINZv2. For lowest (5 m) accuracy

use three transformation version LINZv1.

Operation version LINZv3

Scope Spatial referencing.

Operation accuracy 0.5 m

Source CRS NZGD1949 - LatLon
Target CRS NZGD2000 - LatLon

Operation method NTv2

Extent

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

Operation parameter values

Latitude and Longitude difference file	nzgd2kgrid0005.gsb
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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