## **ISO Geodetic Registry**

Item class Transformation

NZGD1949 to NZGD2000 [LINZv1]

Item statusVALIDIdentifier590

Information source Title Standard for New Zealand Geodetic Datum 2000

Author Office of the Surveyor General Publisher Land Information New Zealand

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Edition date

Issue identification LINZS25000

Data source ISO Geodetic Registry

Remarks Lowest accuracy three parameter version of NZGD1949 to NZGD2000

transformation by LINZ. For slightly higher (4 m) accuracy accuracy use seven parameter transformation version LINZv2. For highest (0.1-1 m)

accuracy use grid transformation version LINZv3.

Operation version LINZv1

Scope Spatial referencing.

Operation accuracy 5.0 m

Source CRS NZGD1949 - LatLon
Target CRS NZGD2000 - LatLon

Operation method Geocentric Translation (geographic 2D domain)

#### Extent

Description	New Zealand - onshore and nearshore - Nortl	
Island, South Island, Stewar		ewart 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

X-axis translation	54.4 metre
Y-axis translation	-20.1 metre
Z-axis translation	183.1 metre

# ISO Geodetic Registry

Item class OperationMethod

Name Geocentric Translation (geographic 2D domain)

Item status VALID
Identifier 72

Alias Geocentric Translation

Alias Geographic Translation

Alias Coordinate Translation

Data source ISO Geodetic Registry

Remarks This method is similar to the Coordinate Frame Translation in the

geographic 3D domain but in the geographic 2D domain. See geocentric Cartesian and geographic 3D variants of this method for

transformations of other CRS types.

### Operation parameters

X-axis translation
Y-axis translation
Z-axis translation