

Nelson 1955 to NZVD2016 Conversion

Metadata

File Identifier

561eab39-6fba-45f2-5188-a4f7507171b0

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

dataset

Hierarchy Level Name

dataset

Contact

Responsible Party

Organisation Name

LINZ - Land Information New Zealand

Position Name

Chief Geodesist - National Geodetic Office

Contact Info

Contact

Phone

Telephone

Voice

04 4600110

Address

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Delivery Point

155 The Terrace

City

Wellington

Postal Code

6011

Country

New Zealand

Electronic Mail Address

info@linz.govt.nz

Role**Role Code**

author

Date Stamp**Date**

2016-07-29

Metadata Standard NameANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005,
Geographic information - Metadata**Metadata Standard Version**

1.1

Reference System Info**Reference System****Reference System Identifier****Identifier****Code**

4167

Identification Info**Data Identification****Citation****Citation****Title**

Nelson 1955 to NZVD2016 Conversion

Alternate Title

NSN55-NZVD2016

Date**Date****Date****Abstract**

The NSN55-NZVD2016 grid enables the conversion of normal-orthometric heights from the Nelson 1955 local vertical datum to the New Zealand Vertical Datum 2016 (NZVD2016). The conversion value is represented by the attribute "O", in metres. This conversion and NZVD2016 are formally defined in the LINZ standard [LINZS25009](<http://www.linz.govt.nz/regulatory/25009>). NSN55-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the Nelson 1955 vertical datum (171.3° E to 174.4° E, 40.4° S to 42.7° S). The height conversion grid models the difference between the Nelson 1955 vertical datum and NZVD2016 using the LINZ

GPS-levelling marks. From the GPS-levelling marks the expected accuracy of NSN55-NZVD2016 is better than 2 centimetres (95% Confidence interval). More information on converting heights between vertical datums can be found [on the LINZ website](<http://www.linz.govt.nz/data/geodetic-services/coordinate-conversion/converting-between-nzvd2016-nzgd2000-and-local-vertical-datums>).

Purpose

The NSN55-NZVD2016 grid enables the conversion of normal-orthometric heights from the Nelson 1955 local vertical datum to the New Zealand Vertical Datum 2016 (NZVD2016).

Status

Progress Code

completed

Point Of Contact

Responsible Party

Organisation Name

LINZ - Land Information New Zealand

Position Name

Chief Geodesist - National Geodetic Office

Contact Info

Contact

Phone

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Delivery Point

155 The Terrace

City

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Postal Code

6011

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New Zealand

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info@linz.govt.nz

Role

Role Code

pointOfContact

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

unknown

Date Of Next Update

Date

2016

Resource Format

Format

Name

*.xml

Version

Unknown

Descriptive Keywords

Keywords

Keyword

New Zealand

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title

ANZLIC Jurisdictions

Date

Edition

Version 2.1

Edition Date

Date

2008-10-29

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Descriptive Keywords

Keywords

Keyword

LAND-Geodesy

Keyword

LAND-Cadastre

Keyword

LAND-Topography

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title

ANZLIC Search Words

Date

Edition

Version 2.1

Edition Date

Date

2008-05-16

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Resource Constraints

Security Constraints

Classification

Classification Code

unclassified

Resource Constraints

Legal Constraints

Use Limitation

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Use Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

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Use Constraints

Restriction Code

license

Spatial Representation Type Code

grid

0.016666666666666666

Language

eng

Character Set

Character Set Code

utf8

Topic Category Code

location

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

171.3174.4-42.7-40.4

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.linz.govt.nz/layer/53438-nelson-1955-to-nzvd2016-conversion/>

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

****NSN55-NZVD2016 version 20160627**** This height conversion grid supersedes the offset (0.29m) that was used with NZVD2009. NSN55-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the Nelson 1955 vertical datum (171.3° E to 174.4° E, 40.4° S to 42.7° S). The conversion value is represented by the attribute "delta", in metres. The height conversion grid models the difference between the Nelson 1955 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. The input data has an average of 0.33m and range of 0.22m to 0.44m. From the GPS-levelling marks the expected accuracy of NSN55-NZVD2016 is better than 2 centimetres (95% Confidence interval).

Metadata Constraints

Security Constraints

Classification

Classification Code

unclassified

Metadata Constraints

Legal Constraints

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