

Lyttelton 1937 to NZVD2016 Conversion

Metadata

File Identifier

| a99809b6-8aa4-cab7-34a4-af92147aa240

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

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| 6011

Country

| New Zealand

Electronic Mail Address

| info@linz.govt.nz

Role

Role Code

| author

Date Stamp

Date

| 2016-07-29

Metadata Standard Name

| ANZLIC 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

Lyttelton 1937 to NZVD2016 Conversion

Alternate Title

LTN37-NZVD2016

Date

Date

Date

Abstract

The LTN37-NZVD2016 grid enables the conversion of normal-orthometric heights from the Lyttelton 1937 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>). LTN37-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the Lyttelton 1937 vertical datum (168.53° E to 174.2° E, 41.3° S to 45.1° S). The height conversion grid models the difference between the Lyttelton 1937 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. From the GPS-levelling marks the expected accuracy of LTN37-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 LTN37-NZVD2016 grid enables the conversion of normal-orthometric heights from the Lyttelton 1937 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

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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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Restriction Code

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Use Constraints
Restriction Code
license

Spatial Representation Type Code
grid
0.0166666666666666
Language
eng

Character Set
Character Set Code
utf8

Topic Category Code
location

Extent
EX_ Extent
Geographic Element
EX_ Geographic Bounding Box
168.53174.2-45.1-41.3

Distribution Info

Distribution
Transfer Options
Digital Transfer Options
On Line
Online Resource
Linkage
URL
<https://data.linz.govt.nz/layer/53432-lyttelton-1937-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
LTN37-NZVD2016 version 20160627 This height conversion grid supersedes the offset (0.47m) that was used with NZVD2009. LTN37-NZVD2016 is published on a two arc-minute grid (approximately 3.6 kilometres) extending over the benchmarks that nominally define the extent of the Lyttelton 1937 vertical datum (168.53° E to 174.2° E, 41.3° S to 45.1° S). The conversion value is represented by the attribute "delta", in metres. The height conversion grid models the difference between the Lyttelton 1937 vertical datum and NZVD2016 using the LINZ GPS-levelling marks. The input data has an average of 0.34m and range of 0.20m to 0.49m. From the GPS-levelling marks the expected accuracy of LTN37-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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