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## Ruling on official geodetic datum and projections

LINZR65300

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**Purpose of ruling** This ruling specifies the official geodetic datum and the official geodetic projections approved by the Surveyor-General for use in cadastral surveys.

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**Related rules in Rules for Cadastral Survey 2010** 4.1 Horizontal datum – orientation  
8.3.3 Distance and area reduction

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**Terms and definitions** As defined in rule 2 of the Rules for Cadastral Survey 2010 (Rules):

- 'Rules' means Rules for Cadastral Survey 2010, and
- 'official geodetic datum' means a geodetic datum approved by the Surveyor-General and in force at the time of survey, and
- 'official geodetic projection' means a projection in terms of an official geodetic datum approved by the Surveyor-General for use in a specific area and in force at the time of survey.

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**Official geodetic datum** The official geodetic datum is the New Zealand Geodetic Datum 2000 (NZGD2000). This datum is defined in *LINZS25000: Standard for New Zealand Geodetic Datum 2000*.

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# Ruling on official geodetic datum and projections,

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## Official projections - New Zealand mainland

The official projections are the NZGD2000 Transverse Mercator 2000 meridional circuit projections:

- Mt Eden 2000
- Bay of Plenty 2000
- Poverty Bay 2000
- Hawkes Bay 2000
- Taranaki 2000
- Tuhirangi 2000
- Wanganui 2000
- Wairarapa 2000
- Wellington 2000
- Collingwood 2000
- Nelson 2000
- Karamea 2000
- Buller 2000
- Grey 2000
- Amuri 2000
- Marlborough 2000
- Hokitika 2000
- Okarito 2000
- Jacksons Bay 2000
- Mount Pleasant 2000
- Gawler 2000
- Timaru 2000
- Lindis Peak 2000
- Mount Nicholas 2000
- Mount York 2000
- Observation Point 2000
- North Taieri 2000
- Bluff 2000.

The above projections are defined in *LINZS25002: Standard for New Zealand Geodetic Datum 2000 Projections*.

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# Ruling on official geodetic datum and projections,

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## Official projections - New Zealand offshore islands

The official projections are the NZGD2000 Transverse Mercator 2000 meridional circuit projections:

- Chatham Islands Transverse Mercator 2000
- Auckland Islands Transverse Mercator 2000 (Snares and Auckland Islands)
- Campbell Island Transverse Mercator 2000
- Antipodes Islands Transverse Mercator 2000 (Antipodes and Bounty Islands)
- Raoul Island Transverse Mercator 2000 (Raoul and Kermadec Islands)

The above projections are defined in *LINZS25002: Standard for New Zealand Geodetic Datum 2000 Projections*.

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## Related documents

LINZ 2010, *LINZS65000: Rules for Cadastral Survey 2010*, Office of the Surveyor-General, LINZ, Wellington

LINZS 2007, *LINZS25000: Standard for the New Zealand Geodetic Datum 2000*, Office of the Surveyor-General, LINZ, Wellington

LINZ 2008, *LINZS25002: Standard for the New Zealand Geodetic Datum 2000 Projections: version 2*, Office of the Surveyor-General, LINZ, Wellington