WORKING WEEK 2025
AND Locate25
THE NATIONAL GEOSPATIAL CONFERENCE
FIG Geospatial Council of Australia
Collaboration, Innovation and Resilience: Championing a Digital Generation
Brisbane, Australia 6–10 April

FIG Standards Network – ISO/TC211 Geodetic Registry Update

FIG Working Week 2025, Brisbane, Australia

Presented at the FIG Working Week 2025 in Brisbane, Australia, 6-10 April 2025.

Nic Donnelly – FIG Liaison to ISO/TC211

ORGANISED BY FIG Geospatial Council of Australia
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ISO/TC211 Overview

- **ISO/TC 211 Scope**
  - Focus on standardisation of geographic/location-based information
- **Standards for Geographic Information**
  - Fundamental concepts of geographic information characteristics and management
  - Specifies methods, tools, and services for data management
  - Data management includes acquiring, processing, analyzing, accessing, presenting, and publishing data
- **Integration with Other Standards**
  - Links to appropriate standards for information technology and data
  - Provides a framework for developing sector-specific applications using geographic data
  - Strong relationship with OGC (some joint standards)

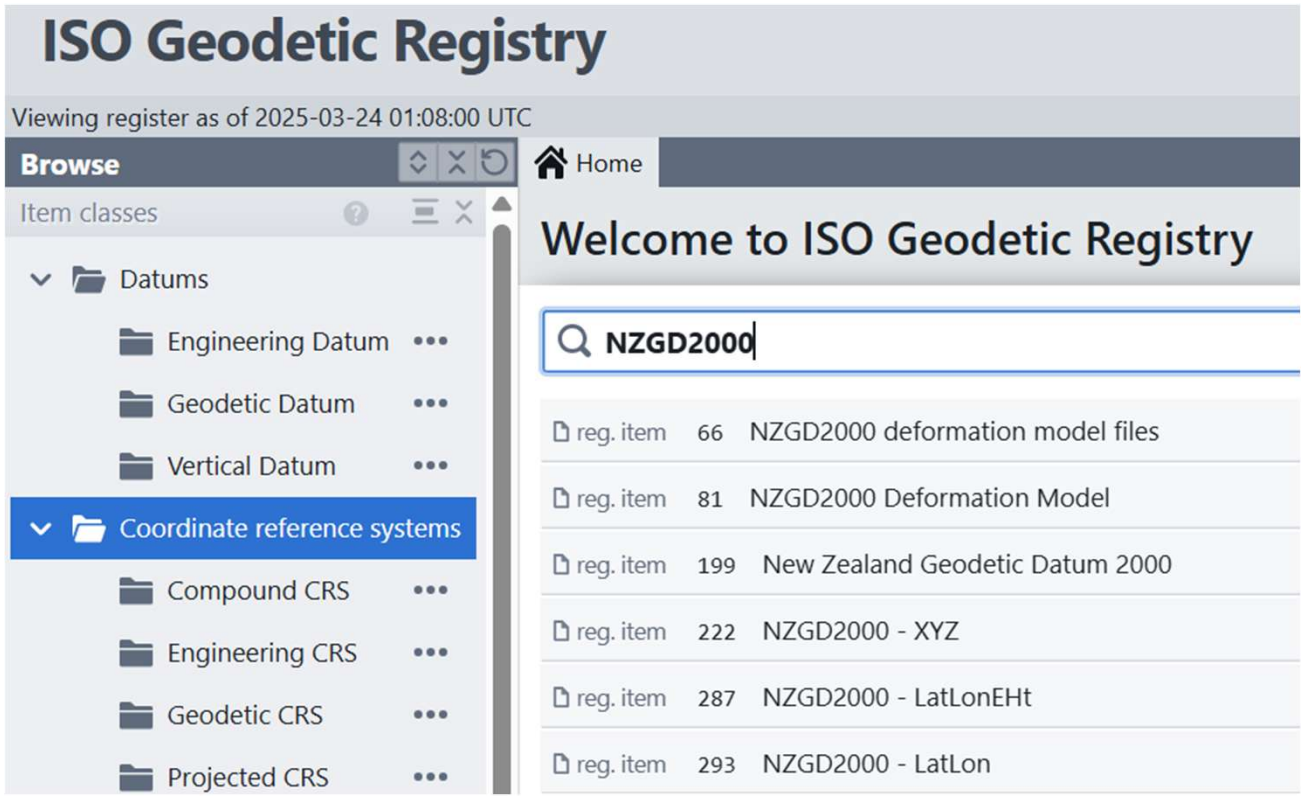
ISO/TC211 Recent Changes

- **59th Plenary Meeting**
  - Held in Sydney, Australia from 11-15 November 2024
  - Hybrid meeting format
- **30th Anniversary**
  - Celebrated 30 years since the first plenary in Oslo, Norway (1994)
- **Leadership Transition**
  - Final plenary under Mr. Peter Parslow (UK) as chairman
  - Chairmanship passed to Ms. Sandra Brantebäck (Sweden)

ISO Geodetic Registry

- **ISO Geodetic Registry Overview**
  - Structured database of coordinate reference systems (CRS) and transformations
  - Accessible through an online registry system
  - Includes only systems and transformations of international application
- **ISO Standards Conformance**
  - ISO 19111 (Spatial referencing by coordinates)
  - ISO 19127 (Geodetic register)
  - ISO 19135-1 (Procedures for item registration - Part 1: Fundamentals)

ISO Geodetic Registry



https://geodetic.isotc211.org/

ISO Geodetic Registry

66 NZGD2000 deformation model files

Register item | Coordinate Operation Parameter | valid

GR Identifier: 66

Name: NZGD2000 deformation model files

Aliases: (no items to show)

Remarks:

The name of the zip file containing all the files required to apply a deformation model consisting of one or more sub-models.

Minimum Occurrences:

Information Sources: (2 total)

1. Title:

NZGD2000 Deformation Model Format (Version 1.0)

Proposal history

- Prp. 2025-03-24: CGVD28(HTv2.0) ve...
- Prp. 2025-02-20: Corrected accuracy...
- Prp. 2025-02-20: ITRF2020 to KSA-G...
- Prp. 2025-02-20: WGS 84 (G2296) g...
- Prp. 2025-02-20: ETRF2020 geodetic...
- Prp. 2025-02-20: NAD83(CSRS) v2/3...

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