## **ISO Geodetic Registry**

Item class Transformation

Name GDA94 to AHD [GA-mainland v1]

Item status VALID
Identifier 633

Alias AUSGeoid09

Information source Title The AUSGeoid09 model of the Australian Height

Datum

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Data source ISO Geodetic Registry

Remarks Implemented 2009. Replaces AUSGeoid98 model. Uses AUSGeoid09

model which uses bi-cubic interpolation; bi-linear interpolation of the grid file will give results agreeing to within 1cm 99.97% of the time.

GA-mainland v1

Scope Spatial referencing

Operation accuracy 0.06 m

Source CRS GDA94 - LatLonEHt

Target CRS AHD - NOHt

Operation method Geographic3D to GravityRelatedHeight (AUSGeoid v2)

#### Extent

Operation version

Description	Australia - onshore and nearshore - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia,	
	Geographic Bounding Box	West-bound longitude
North-bound latitude		-10.65
East-bound longitude		153.69
South-bound latitude		-39.2

#### Operation parameter values

Geoid (height correction) model file	AUSGeoid09_GDA94_V1.01_DOV_windows.gsb

# **ISO Geodetic Registry**

Item class OperationMethod

Name Geographic3D to GravityRelatedHeight

(AUSGeoid v2)

Item statusVALIDIdentifier83

Alias AUSGeoid09

Data source ISO Geodetic Registry

Remarks The Information Source references software which offers both bi-cubic

and bi-linear interpolation methods. Unlike earlier Australian models which used bi-linear interpolation, AUSGeoid09 uses the bi-cubic

method. See Info Source for file format doc.

Formula The AUSGeoid09 model of the Australian Height Datum

### Operation parameters

Geoid (height correction) model file