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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ISO Geodetic Registry Data source

Implemented 2009. Replaces AUSGeoid98 model. Uses AUSGeoid09 Remarks

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.

Operation version GA-mainland v1

Scope Spatial referencing

Operation accuracy 0.06 m

Source CRS GDA94 - LatLonEHt

Target CRS AHD - NOHt

Geographic3D to GravityRelatedHeight (AUSGeoid v2) Operation method

Extent

Description	Australia - onshore and nearshore - Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia,	
Geographic Bounding Box	Western Australia, Victor West-bound longitude	112.85
	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
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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