ISO Geodetic Registry

Item class Transformation

Mame GDA2020 to WGS 84 TRANSIT [GA v1]

Item statusVALIDIdentifier543

Information source Title Geocentric Datum of Australia 2020 Technical

Manual Version 1.2

Author Permanent Committee on Geodesy of the

Intergovernmental Committee on Surveying and

Mapping

Publisher Intergovernmental Committee on Surveying and

Mapping

Publication date 2018-08-24

Edition date

Data source ISO Geodetic Registry

Operation version GA v1

Scope Spatial referencing

Operation accuracy 3.0 m

Source CRS GDA2020 - XYZ

Target CRS WGS 84 TRANSIT - XYZ

Operation method Geocentric Translation (geocentric Cartesian domain)

Extent

Description	Australia - onshore and offshore - mainland, Tasmania, Lord Howe Island, Norfolk Island, Macquarie Island. Christmas Island - onshore and offshore. Cocos (Keeling) Islands -	
	onshore and offshore.	
Geographic Bounding Box	West-bound longitude	93.41
	North-bound latitude	-8.47
	East-bound longitude	173.4
	South-bound latitude	-60.56

Operation parameter values

X-a	axis translation	0.0 metre
Y-a	axis translation	0.0 metre
Z-á	axis translation	0.0 metre

ISO Geodetic Registry

Item class OperationMethod

Mame Geocentric Translation (geocentric Cartesian

domain)

Item statusVALIDIdentifier75

Alias Translation

Alias Frame translation

Alias Geocentric translation

Alias Coordinate translation

Data source ISO Geodetic Registry

Remarks This method allows calculation of geocentric Cartesian coordinates in

the target system by adding the parameter values to the corresponding coordinates in the source system. See geographic 3D and 2D variants

of this method for transformations of other CRS types.

Operation parameters

X-axis translation
Y-axis translation
Z-axis translation