

ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	GDA2020 to WGS 84 TRANSIT [GA v1]	
<i>Item status</i>	VALID	
<i>Identifier</i>	543	
<i>Information source</i>	<i>Title</i>	Geocentric Datum of Australia 2020 Technical Manual Version 1.2
	<i>Author</i>	Permanent Committee on Geodesy of the Intergovernmental Committee on Surveying and Mapping
	<i>Publisher</i>	Intergovernmental Committee on Surveying and Mapping
	<i>Publication date</i>	2018-08-24
	<i>Edition date</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Operation version</i>	GA v1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	3.0 m	
<i>Source CRS</i>	GDA2020 - XYZ	
<i>Target CRS</i>	WGS 84 TRANSIT - XYZ	
<i>Operation method</i>	Geocentric Translation (geocentric Cartesian domain)	

Extent

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

Operation parameter values

<i>X-axis translation</i>	0.0 metre
<i>Y-axis translation</i>	0.0 metre
<i>Z-axis translation</i>	0.0 metre

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<i>Item class</i>	OperationMethod
<i>Name</i>	Geocentric Translation (geocentric Cartesian domain)
<i>Item status</i>	VALID
<i>Identifier</i>	75
<i>Alias</i>	Translation
<i>Alias</i>	Frame translation
<i>Alias</i>	Geocentric translation
<i>Alias</i>	Coordinate translation
<i>Data source</i>	ISO Geodetic Registry
<i>Remarks</i>	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

<i>X-axis translation</i>
<i>Y-axis translation</i>
<i>Z-axis translation</i>