

ISO Geodetic Registry

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|---------------------------|---------------------------------|--|
| <i>Item class</i> | Transformation | |
| <i>Name</i> | GDA94 to GDA2020 [GA v3] | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 677 | |
| <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>Remarks</i> | Defined at epoch 2020.0. | |
| <i>Operation version</i> | GA v3 | |
| <i>Scope</i> | Spatial referencing | |
| <i>Operation accuracy</i> | 0.01 m | |
| <i>Source CRS</i> | GDA94 - LatLon | |
| <i>Target CRS</i> | GDA2020 - LatLon | |
| <i>Operation method</i> | NTv2 | |

Extent

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|--------------------------------|--|--------|
| <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

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| <i>Latitude and Longitude difference file</i> | GDA94_GDA2020_conformal_and_distortion.gsb |
|---|--|

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|--------------------|--|
| <i>Item class</i> | OperationMethod |
| <i>Name</i> | NTv2 |
| <i>Item status</i> | VALID |
| <i>Identifier</i> | 95 |
| <i>Alias</i> | National Transformation version 2 grid shift |
| <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | National Transformation version 2 grid shift file interpolation. Geodetic transformation operating on a grid of 2D geographic coordinate differences by bi-linear interpolation. Assumes longitudes to be positive west. |

Operation parameters

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|---|
| <i>Latitude and Longitude difference file</i> |
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