

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>ITRF94 to JGD2000 [GSIV1]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	619	
<i>Information source</i>	<i>Title</i>	Concept of the New Japanese Geodetic System
	<i>Author</i>	Y. Hiyama, A. Yamagiwa, T. Kawahara, M. Iwata, Y. Fukuzaki, Y. Shouji, Y. Sato, T. Yutsudo, T. Sasaki, H. Shigematsu, H. Yamao, T. Inukai, M. Ohtaki, K. Kokado, S. Kurihara, I. Kimura, T. Tsutsumi, T. Yahagi, Y. Furuya, I. Kageyama, S. Kawamoto, K. Yamaguchi, H. Tsuji, S. Matsumura
	<i>Publisher</i>	Geographical Survey Institute (GSI), Tsukuba, Japan
	<i>Publication date</i>	2004-03
	<i>Series/Journal name</i>	Bulletin of the Geographical Survey Institute
	<i>Issue identification</i>	Volume 51
	<i>Page</i>	1–9
	<i>Title</i>	The New Geodetic Reference System of Japan – Its adoption and application to our products
	<i>Author</i>	Geographical Survey Institute
	<i>Publisher</i>	Geographical Survey Institute (GSI), Tsukuba, Japan
<i>Information source</i>	<i>Publication date</i>	2004-03
	<i>Series/Journal name</i>	Bulletin of the Geographical Survey Institute
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	<i>Page</i>	33-36
	<i>Page</i>	33-36
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Null transformation. JGD2000 equivalent to ITRF94 at epoch 1997.0.	
<i>Operation version</i>	GSIV1	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	0.0 m	
<i>Source CRS</i>	ITRF94 - XYZ	
<i>Target CRS</i>	JGD2000 - XYZ	
<i>Operation method</i>	Geocentric Translation (geocentric Cartesian domain)	

## Extent

<i>Description</i>	<b>Japan - onshore and offshore</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	122.9
	<i>North-bound latitude</i>	45.6
	<i>East-bound longitude</i>	154.0
	<i>South-bound latitude</i>	20.4

## Operation parameter values

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

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<i>Item class</i>	OperationMethod
<i>Name</i>	<b>Geocentric Translation (geocentric Cartesian domain)</b>
<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>