ISO Geodetic Registry

Item class	Transformation	
Name	**WGS 84 (G1674) to ITRF2008 [1]**	
Item status	VALID	
Identifier	708	
Information source	*Title*	Recent Updates to the WGS 84 Reference Frame
	Author	R.F. Wong, C.M. Rollins, C.F. Minter
	Publisher	Institute of Navigation
	Publication date	2012-09
	Edition date	
	Series/Journal name	Proceedings of the 25th International Technical Meeting of the Satellite Division of The Institue of Navigation (ION-GNSS-2012), Nashville, TN, September 2012
	Page	1164-1172
Data source	ISO Geodetic Registry	
Remarks	Null transformation. WGS 84 (G1674) derived from ITRF92 at epoch 2005.0.	
Operation version	1.0	
Scope	Spatial referencing	
Operation accuracy	0.01 m	
Source CRS	WGS 84 (G1674) - XYZ	
Target CRS	ITRF2008 - XYZ	
Operation method	Coordinate Frame Transformation (geocentric Cartesian domain)	

Extent

Description	**World.**	
Geographic Bounding Box	*West-bound longitude*	-180.0
	North-bound latitude	90.0
	East-bound longitude	180.0
	South-bound latitude	-90.0

Operation parameter values

X-axis translation	0.0 millimetre
Y-axis translation	0.0 millimetre
Z-axis translation	0.0 millimetre
X-axis rotation	0.0 milliarc-second
Y-axis rotation	0.0 milliarc-second
Z-axis rotation	0.0 milliarc-second
Scale difference	0.0 parts per billion

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Item class	OperationMethod
Name	**Coordinate Frame Transformation (geocentric Cartesian domain)**
Item status	VALID
Identifier	74
Alias	Coordinate Frame Transformation
Alias	7-Parameter Transformation
Alias	Bursa-Wolf Transformation
Data source	ISO Geodetic Registry
Remarks	This method is a specific case of the Molodensky-Badekas (CF) method in which the evaluation point is at the geocentre with coordinate values of zero. Note the analogy with the Position Vector transformation method but beware of the differences!
Formula	Geomatics Guidance Note No 7, part 2: Coordinate Conversions and Transformations including Formulas

Operation parameters

X-axis translation
Y-axis translation
Z-axis translation
X-axis rotation
Y-axis rotation
Z-axis rotation
Scale difference