ISO Geodetic Registry

Item class	Transformation	
Name	**WGS 84 (G1674) to WGS 84 (G1762) [1]**	
Item status	VALID	
Identifier	492	
Information source	*Title*	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems, Version 1.0.0
	Author	National Geospatial-Intelligence Agency
	Publisher	National Geospatial-Intelligence Agency
	Publication date	2014-07-08
	Series/Journal name	Standardization Document
	Issue identification	NGA.STND.0036_1.0.0_WGS84
Data source	ISO Geodetic Registry	
Remarks	Transformation between WGS 84 ephemerides, defined at epoch 2005.0.	
Operation version	1.0	
Scope	Spatial referencing and GPS satellite navigation	
Operation accuracy	0.01 m	
Source CRS	WGS 84 (G1674) - XYZ	
Target CRS	WGS 84 (G1762) - 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	-4.0 millimetre
Y-axis translation	3.0 millimetre
Z-axis translation	4.0 millimetre
X-axis rotation	0.27 milliarc-second
Y-axis rotation	-0.27 milliarc-second
Z-axis rotation	0.38 milliarc-second
Scale difference	-6.9 parts per billion

ISO Geodetic Registry

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