ISO Geodetic Registry

Item class	Transformation	
Name	**WGS 84 (G1762) to WGS 84 EGM2008 - OHt [3]**	
Item status	VALID	
Identifier	671	
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
Information source	*Title*	The development and evaluation of the Earth Gravitational Model 2008 (EGM2008)
	Author	N.K. Pavlis, S. A. Holmes, S. C. Kenyon, J. K. Factor
	Publisher	American Geophysical Union
	Publication date	2012-04-19
	Edition date	2012-04-19
	Series/Journal name	Journal of Geophysical Research: Solid Earth
	Issue identification	Volume 117, Issue B4
Information source	*Title*	Correction to “The Development and Evaluation of the Earth Gravitational Model 2008 (EGM2008)”
	Author	N.K. Pavlis, S. A. Holmes, S. C. Kenyon, J. K. Factor
	Publisher	American Geophysical Union
	Publication date	2013-05-09
	Edition date	2013-05-09
	Series/Journal name	Journal of Geophysical Research: Solid Earth
	Issue identification	Volume 118, Issue 5
	Page	2633.0
Data source	ISO Geodetic Registry	
Remarks	Transformation from WGS 84 (G1762) ellipsoidal heights to EGM2008 orthometric heights using the EGM2008 geoid model defind by spherical harmonic coeffcients and corrections using harmonic synthesis.	
Operation version	2.0	
Scope	Spatial referencing	
Operation accuracy	0.5 m	
Source CRS	WGS 84 (G1762) - LatLonEHt	
Target CRS	WGS 84 EGM2008 - OHt	
Operation method	Geographic3D to Gravity Related Height (EGM96-SH)	

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

Spherical harmonic coefficient file	EGM2008_to2190_TideFree.gz
Spherical harmonic correction coefficients file	Zeta-to-N_to2160_egm2008.gz

ISO Geodetic Registry

Item class	OperationMethod
Name	**Geographic3D to Gravity Related Height (EGM96-SH)**
Item status	VALID
Identifier	80
Data source	ISO Geodetic Registry
Remarks	Spherical harmonic representaiton of EGM96 geoid using both a spherical harmonic coefficients file and a spherical harmonic coefficients correction file.

Operation parameters

Spherical harmonic coefficient file
Spherical harmonic correction coefficients file