

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>WGS 84 (G1762) to WGS 84 EGM2008 - OHt [3]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	671	
<i>Information source</i>	<i>Title</i>	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems, Version 1.0.0
	<i>Author</i>	National Geospatial-Intelligence Agency
	<i>Publisher</i>	National Geospatial-Intelligence Agency
	<i>Publication date</i>	2014-07-08
	<i>Series/Journal name</i>	Standardization Document
<i>Information source</i>	<i>Issue identification</i>	NGA.STND.0036_1.0.0_WGS84
	<i>Title</i>	The development and evaluation of the Earth Gravitational Model 2008 (EGM2008)
	<i>Author</i>	N.K. Pavlis, S. A. Holmes, S. C. Kenyon, J. K. Factor
	<i>Publisher</i>	American Geophysical Union
	<i>Publication date</i>	2012-04-19
<i>Information source</i>	<i>Edition date</i>	2012-04-19
	<i>Series/Journal name</i>	Journal of Geophysical Research: Solid Earth
	<i>Issue identification</i>	Volume 117, Issue B4
	<i>Title</i>	Correction to "The Development and Evaluation of the Earth Gravitational Model 2008 (EGM2008)"
	<i>Author</i>	N.K. Pavlis, S. A. Holmes, S. C. Kenyon, J. K. Factor
<i>Information source</i>	<i>Publisher</i>	American Geophysical Union
	<i>Publication date</i>	2013-05-09
	<i>Edition date</i>	2013-05-09
	<i>Series/Journal name</i>	Journal of Geophysical Research: Solid Earth
	<i>Issue identification</i>	Volume 118, Issue 5
<i>Data source</i>	<i>Page</i>	2633.0
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<i>Remarks</i>	Transformation from WGS 84 (G1762) ellipsoidal heights to EGM2008 orthometric heights using the EGM2008 geoid model defined by spherical harmonic coefficients and corrections using harmonic synthesis.	
<i>Operation version</i>	2.0	
<i>Scope</i>	Spatial referencing	
<i>Operation accuracy</i>	0.5 m	
<i>Source CRS</i>	WGS 84 (G1762) - LatLonEHt	
<i>Target CRS</i>	WGS 84 EGM2008 - OHt	
<i>Operation method</i>	Geographic3D to Gravity Related Height (EGM96-SH)	

## Extent

<i>Description</i>	<b>World.</b>	
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-180.0
	<i>North-bound latitude</i>	90.0
	<i>East-bound longitude</i>	180.0
	<i>South-bound latitude</i>	-90.0

## Operation parameter values

<i>Spherical harmonic coefficient file</i>	EGM2008_to2190_TideFree.gz
<i>Spherical harmonic correction coefficients file</i>	Zeta-to-N_to2160_egm2008.gz

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

## Operation parameters

<i>Spherical harmonic coefficient file</i>
<i>Spherical harmonic correction coefficients file</i>