

# ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	<b>WGS 84 (G873) to WGS 84 EGM84 - OHt [2]</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	480	
<i>Information source</i>	<i>Title</i>	The World Geodetic System 1984 Earth Gravitational Model
	<i>Author</i>	H.L. White, Defense Mapping Agency Aerospace Center
	<i>Publisher</i>	Defense Mapping Agency Aerospace Center
	<i>Publication date</i>	1986-05-02
	<i>Edition date</i>	
<i>Information source</i>	<i>Title</i>	Refinements to The World Geodetic System 1984
	<i>Author</i>	S. Malys, J.A. Slater, R.W. Smith, L.E. Kunz, S.C. Kenyon
	<i>Publisher</i>	Institute of Navigation
	<i>Publication date</i>	1997-09
	<i>Edition date</i>	
<i>Information source</i>	<i>Series/Journal name</i>	Proceedings of the 10th International Technical Meeting of the Satellite Division of The Institute of Navigation (ION-GPS-1997), Kansas City, MO, September 1997
	<i>Page</i>	841-850
	<i>Title</i>	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems
	<i>Author</i>	National Imagery and Mapping Agency
	<i>Publisher</i>	National Imagery and Mapping Agency
<i>Information source</i>	<i>Publication date</i>	2004-06-23
	<i>Edition</i>	Third Edition, Amendment 2
	<i>Edition date</i>	2004-06-23
	<i>Series/Journal name</i>	Technical Report
	<i>Issue identification</i>	TR8350.2
<i>Information source</i>	<i>Title</i>	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems
	<i>Author</i>	National Imagery and Mapping Agency
	<i>Publisher</i>	National Imagery and Mapping Agency
	<i>Publication date</i>	1997-07-04
	<i>Edition</i>	Third Edition
<i>Information source</i>	<i>Edition date</i>	1997-07-04
	<i>Series/Journal name</i>	Technical Report
	<i>Issue identification</i>	TR8350.2
	<i>Title</i>	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems
	<i>Author</i>	National Imagery and Mapping Agency
<i>Information source</i>	<i>Publisher</i>	National Imagery and Mapping Agency
	<i>Publication date</i>	2000-01-03
	<i>Edition</i>	Third Edition, Amendment 1
	<i>Edition date</i>	2000-01-03
	<i>Series/Journal name</i>	Technical Report
<i>Information source</i>	<i>Issue identification</i>	TR8350.2
	<i>Title</i>	Department of Defense World Geodetic System 1984: Its Definition and Relationships with Local Geodetic Systems
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Transformation from WGS 84 (G873) ellipsoidal heights to EGM84 orthometric heights using the EGM84 geoid model defined by spherical harmonic coefficients.	

<i>Operation version</i>	2.0
<i>Scope</i>	Spatial referencing
<i>Operation accuracy</i>	1.0 m
<i>Source CRS</i>	WGS 84 (G873) - LatLonEHt
<i>Target CRS</i>	WGS 84 EGM84 - OHt
<i>Operation method</i>	Geographic3D to Gravity Related Height (EGM84-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>	egm180.nor
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# ISO Geodetic Registry

<i>Item class</i>	OperationMethod
<i>Name</i>	<b>Geographic3D to Gravity Related Height (EGM84-SH)</b>
<i>Item status</i>	VALID
<i>Identifier</i>	77
<i>Data source</i>	ISO Geodetic Registry
<i>Remarks</i>	Spherical harmonic representaiton of EGM84 geoid using a single spherical harmonic coefficients file.

## Operation parameters

<i>Spherical harmonic coefficient file</i>
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