

ISO Geodetic Registry

<i>Item class</i>	Transformation	
<i>Name</i>	WGS 84 (G1150) to WGS 84 EGM96 - OHt [2]	
<i>Item status</i>	VALID	
<i>Identifier</i>	473	
<i>Information source</i>	<i>Title</i>	The Development of the Joint NASA GSFC and the NIMA Geopotential Model EGM96
	<i>Author</i>	F.G. Lemoine, S. C. Kenyon, J. K. Factor, R.G. Trimmer, N. K. Pavlis, D. S. Chinn, C. M. Cox, S. M. Klosko, S. B. Luthcke, M. H. Torrence, Y. M. Wang, R. G. Williamson, E. C. Pavlis, R. H. Rapp, T. R. Olson,
	<i>Publisher</i>	National Aeronautics and Space Administration
	<i>Publication date</i>	1998-07
	<i>Edition date</i>	
<i>Information source</i>	<i>Series/Journal name</i>	Technical Paper
	<i>Issue identification</i>	NASA/TP-1998-206861
	<i>Title</i>	A Refinement to the World Geodetic System 1984 Reference Frame
	<i>Author</i>	M. J. Merrigan, E.R. Swift, R.F. Wong, Saffel J.T.
	<i>Publisher</i>	Institute of Navigation
<i>Information source</i>	<i>Publication date</i>	2002-09
	<i>Edition date</i>	
	<i>Series/Journal name</i>	Proceedings of the 15th International Technical Meeting of the Satellite Division of The Institute of Navigation (ION-GPS-2002), Portland, OR, September 2002
	<i>Page</i>	1519-1529
	<i>Page</i>	
<i>Data source</i>	ISO Geodetic Registry	
<i>Remarks</i>	Transformation from WGS 84 (G1150) ellipsoidal heights to EGM96 orthometric heights using the EGM96 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>	1.0 m	
<i>Source CRS</i>	WGS 84 (G1150) - LatLonEHt	
<i>Target CRS</i>	WGS 84 EGM96 - OHt	
<i>Operation method</i>	Geographic3D to Gravity Related Height (EGM96-SH)	

Extent

<i>Description</i>	World.	
<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>	egm96.exe
<i>Spherical harmonic correction coefficients file</i>	CORRCOEFF.EXE

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<i>Item class</i>	OperationMethod
<i>Name</i>	Geographic3D to Gravity Related Height (EGM96-SH)
<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>