ISO Geodetic Registry

Item class	Transformation	
Name	**WGS 84 (G1674) to WGS 84 EGM96 - OHt [2]**	
Item status	VALID	
Identifier	573	
Information source	*Title*	The Development of the Joint NASA GSFC and the NIMA Geopotential Model EGM96
	Author	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,
	Publisher	National Aeronautics and Space Administration
	Publication date	1998-07
	Edition date	
	Series/Journal name	Technical Paper
	Issue identification	NASA/TP-1998-206861
Information source	*Title*	Recent Updates to the WGS 84 Reference Frame
	Author	R.F. Wong, C.M. Rollins, C.F. Minter
	Publisher	Institute of Navigation
	Publication date	2012-09
	Edition date	
	Series/Journal name	Proceedings of the 25th International Technical Meeting of the Satellite Division of The Institue of Navigation (ION-GNSS-2012), Nashville, TN, September 2012
	Page	1164-1172
Information source	*Title*	NGA/NASA EGM96,N=M=360 Earth Gravitational Model
	Author	NGA Office of Geomatics
	Publisher	National Geospatial-Intelligence Agency
	Revision date	2014-10-24
	Edition date	
Data source	ISO Geodetic Registry	
Remarks	Transformation from WGS 84 (G1674) ellipsoidal heights to EGM96 orthometric heights using the EGM96 geoid model defind by spherical harmonic coeffcients and corrections using harmonic synthesis.	
Operation version	2.0	
Scope	Spatial referencing	
Operation accuracy	1.0 m	
Source CRS	WGS 84 (G1674) - LatLonEHt	
Target CRS	WGS 84 EGM96 - 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	egm96.exe
Spherical harmonic correction coefficients file	CORRCOEF.EXE

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