ISO Geodetic Registry

Item class	Transformation	
Name	**NAD83(CSRS) v3 to CGVD28 - NOHt [v1]**	
Item status	VALID	
Identifier	618	
Alias	HTv2.0	
Alias	Height Transformation version 2.0	
Information source	*Title*	The GPS Height Transformation (v2.0): An Ellipsoidal-CGVD28 Height Transformation for Use With GPS in Canada
	Author	M. Veronneau, A. Mainville, M.R. Craymer
	Publisher	Geodetic Survey Division, Natural Resources Canada, Government of Canada
	Publication date	2001
Data source	ISO Geodetic Registry	
Remarks	Grid transformation from NAD83(CSRS) v3 ellipsdoidal heights to CGVD28 normal-orthometric heights using hybrid geoid model NTv2.0 based on the CGG2000 geoid mode that has been distorted to fit with benchmarks elevations in the CGVD28 vertical datum.	
Operation version	v1	
Scope	Spatial referencing	
Operation accuracy	0.05 m	
Source CRS	NAD83(CSRS) v3 - LatLonEHt	
Target CRS	CGVD28 - NOHt	
Operation method	Geographic3D to Gravity Related Height (Canada)	

Extent

Description	**Canada - onshore and offshore - Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Quebec, Saskatchewan, Yukon.**	
Geographic Bounding Box	*West-bound longitude*	-141.01
	North-bound latitude	90.0
	East-bound longitude	-47.74
	South-bound latitude	40.04

Operation parameter values

Geoid (height correction) model file	HT2_0.byn

ISO Geodetic Registry

Item class	OperationMethod
Name	**Geographic3D to Gravity Related Height (Canada)**
Item status	VALID
Identifier	89
Data source	ISO Geodetic Registry
Remarks	For consistency with earlier geoid models in Canada, reference software for CGG2013 and CGG2013a uses bi-quadratic interpolation over nine grid nodes. The bi-linear interpolation is sufficient for most uses as the newer models have a higher spatial resolution. See information source for file format documentation.
Formula	The GPS Height Transformation (v2.0): An Ellipsoidal-CGVD28 Height Transformation for Use With GPS in Canada

Operation parameters

Geoid (height correction) model file