ISO Geodetic Registry

Item class	VerticalCRS	
Name	**CGVD28 - NOHt**	
Item status	VALID	
Identifier	323	
Alias	GSC Datum	
Alias	Canadian Vertical Datum of 1928	
Alias	Canadian Geodetic Vertical Datum of 1928	
Alias	CGVD28	
Alias	Canadian Geodetic Datum	
Alias	CVD28	
Information source	*Title*	Recent adjustments of the precise level net of Canada
	Author	J.B. Canon
	Publisher	Department of the Interior, Dominion of Canada, Ottawa
	Publication date	1935
Information source	*Title*	Adjustment of the precise level net of Canada 1928
	Author	J.B. Canon
	Publisher	Department of the Interior, Dominion of Canada, Ottawa
	Publication date	1928
Data source	ISO Geodetic Registry	
Scope	Spatial referencing	
Datum	Canadian Geodetic Vertical Datum of 1928	
Coordinate System	Vertical CS. Axis: height (H). Orientation: up. UoM: m.	

Extent

Description	**Canada - onshore - Alberta, British Columbia, Manitoba south of 57°N, New Brunswick, Northwest Territories south west of a line between 60°N, 110°W and the coast at 132°W, Nova Scotia, Ontario south of 52°N, Prince Edward Island, Quebec - mainland west of 66°W and south of 55°N, Saskatchewan south of 55°N, Yukon.**	
Geographic Bounding Box	*West-bound longitude*	-141.01
	North-bound latitude	69.8
	East-bound longitude	-59.73
	South-bound latitude	41.67

ISO Geodetic Registry

Item class	VerticalDatum	
Name	**Canadian Geodetic Vertical Datum of 1928**	
Item status	VALID	
Identifier	102	
Alias	GSC Datum	
Alias	Canadian Vertical Datum of 1928	
Alias	CGVD28	
Alias	Canadian Geodetic Datum	
Alias	CVD28	
Information source	*Title*	Adjustment of the precise level net of Canada 1928
	Author	J.B. Canon
	Publisher	Department of the Interior, Dominion of Canada, Ottawa
	Publication date	1928
Information source	*Title*	Recent adjustments of the precise level net of Canada
	Author	J.B. Canon
	Publisher	Department of the Interior, Dominion of Canada, Ottawa
	Publication date	1935
Data source	ISO Geodetic Registry	
Remarks	Adopted by Federal Order in Council in 1935. Replaced by CGVD2013 November 2013. Normal orthometric heights.	
Anchor definition	CGVD28 is a levelling-based vertical datum based on mean sea level determined at five tidal gauges in Yarmouth and Halifax on the Atlantic Ocean, Pointe-au-Père on the St-Lawrence River, and Vancouver and Prince-Rupert on the Pacific Ocean. The definition also includes an elevation at a bench mark in Rouses Point, NY (next to Lake Champlain), accepted as fixed by the United States and Canada in 1925. The datum was propagated inland from the tide gauges using geodetic levelling measurements. The vertical datum is accessible through some 94,000 bench marks anchored to the ground and stable structures. Heights in CGVD28 are normal-orthometric based on normal gravity.	
Release date	1928	
Scope	Spatial referencing	

Extent

Description	**Canada - onshore - Alberta, British Columbia, Manitoba south of 57°N, New Brunswick, Northwest Territories south west of a line between 60°N, 110°W and the coast at 132°W, Nova Scotia, Ontario south of 52°N, Prince Edward Island, Quebec - mainland west of 66°W and south of 55°N, Saskatchewan south of 55°N, Yukon.**	
Geographic Bounding Box	*West-bound longitude*	-141.01
	North-bound latitude	69.8
	East-bound longitude	-59.73

South-bound latitude	41.67

ISO Geodetic Registry

Item class	VerticalCS	
Name	**Vertical CS. Axis: height (H). Orientation: up. UoM: m.**	
Item status	VALID	
Identifier	42	
Information source	*Title*	ISO 19111 Geographical information - Spatial referencing by coordinates
	Author	International Organization for Standardization (ISO)
	Publisher	International Organization for Standardization (ISO)
	Publication date	2007-07-01
	Edition	Second Edition
	Series/Journal name	International Standard
	Issue identification	ISO 19111:2007
Data source	ISO Geodetic Registry	
Remarks	Used in vertical coordinate reference systems.	

Axes

Item class	CoordinateSystemAxis	
Name	**Gravity-related height**	
Item status	VALID	
Identifier	35	
Information source	*Title*	ISO 19111 Geographical information - Spatial referencing by coordinates
	Author	International Organization for Standardization (ISO)
	Publisher	International Organization for Standardization (ISO)
	Publication date	2007-07-01
	Edition	Second Edition
	Series/Journal name	International Standard
	Issue identification	ISO 19111:2007
Data source	ISO Geodetic Registry	
Remarks	Used in a 1D vertical coordinate system.	
Abbreviation	H	
Direction	up	
Unit	metre	