Item class	Transformation	
Name	**NAD27(CGQ77) to NAD83(CSRS) v2 [QCv1]**	
Item status	VALID	
Identifier	556	
Information source	*Title*	RE: GSD file
	Author	Y. Theriault
	Publisher	Service de la geodesie et des leves geospatiaux, Direction de la reference geographique, Direction generale de l'information geospatiale, Ministere de l'Energie et des Ressources naturelles, Gouvernement du Quebec
	Publication date	2017-03-01
	Other citation details	Personal email communication.
Information source	*Title*	Desktop Applications: NTv2
	Author	Canadian Geodetic Survey
	Publisher	Canadian Geodetic Survey, Surveyor General Branch, Earth Sciences Sector, Natural Resources Canada, Government of Canada
	Publication date	2017-02-28
Information source	*Title*	FAQ: What are some of the transformation methods for Canada?
	Author	Esri Canada
	Publisher	Esri, Redlands, CA
	Publication date	2016-05-05
	Issue identification	Article ID: 000011846
Data source	ISO Geodetic Registry	
Remarks	Grid tranformation in NTv2 format adopted for use in Quebec.	
Operation version	QCv1	
Scope	Spatial referencing	
Operation accuracy	1.0 m	
Source CRS	NAD27(CGQ77) - LatLon	
Target CRS	NAD83(CSRS) v2 - LatLon	
Operation method	NTv2	

Extent

Description	**Canada - onshore and offshore - Quebec.**	
Geographic Bounding Box	West-bound longitude	-79.85
	North-bound latitude	62.62
	East-bound longitude	-57.1
	South-bound latitude	44.99

Operation parameter values

Latitude and Longitude difference file	CQ77SCRS.GSB

ISO Geodetic Registry

Item class	OperationMethod
Name	**NTv2**
Item status	VALID
Identifier	95
Alias	National Transformation version 2 grid shift
Data source	ISO Geodetic Registry
Remarks	National Transformation version 2 grid shift file interpolation. Geodetic transformation operating on a grid of 2D geographic coordinate differences by bi-linear interpolation. Assumes longitudes to be positive west.

Operation parameters

Latitude and Longitude difference file