ISO Geodetic Registry

Item class	Conversion	
Name	**UTM zone 22S**	
Item status	VALID	
Identifier	835	
Alias	UTM zone -22	
Information source	*Title*	Geomatics Guidance Note No 7, part 2: Coordinate Conversions and Transformations including Formulas
	Author	International Association of Oil and Gas Producers (IOGP)
	Publisher	International Association of Oil and Gas Producers (IOGP)
	Revision date	2021-11
	Edition	61
	Series/Journal name	IOGP Publication
	Issue identification	373-7-2
	Other citation details	https://epsg.org/guidance-notes.html (accessed 2022-01-19)
Information source	*Title*	The Universal Grids and the Transverse Mercator and Polar Stereographic Map Projections
	Author	National Geospatial-Intelligence Agency (NGA)
	Publisher	National Geospatial-Intelligence Agency (NGA)
	Revision date	2014-03-25
	Series/Journal name	National Geospatial-Intelligence Agency Standardization Document
	Issue identification	NGA.SIG.0012_2.0.0_UTMUPS Version 2.0.0
	Other citation details	https://nsgreg.nga.mil/doc/view?i=4056&month=3&day=28&year=2022 (accessed 2022-04-20)
Data source	ISO Geodetic Registry	
Scope	Spatial referencing	
Operation method	Transverse Mercator Projection	

Extent

Description	**World - onshore and offshore - between 54°W and 48°W, southern hemisphere between equator and 80°S.**	
Geographic Bounding Box	*West-bound longitude*	-54.0
	North-bound latitude	-80.0
	East-bound longitude	-48.0
	South-bound latitude	0.0

Operation parameter values

Latitude of natural origin	0.0 degree
Longitude of natural origin	-51.0 degree
Scale factor at natural origin	0.9996 unity
False easting	500000.0 metre
False northing	1.0E7 metre

ISO Geodetic Registry

Item class	OperationMethod
Name	**Transverse Mercator Projection**
Item status	VALID
Identifier	834
Alias	Gauss-Boaga
Alias	TM
Alias	Gauss-Kruger
Data source	ISO Geodetic Registry

Operation parameters

Latitude of natural origin
Longitude of natural origin
Scale factor at natural origin
False easting
False northing