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

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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

0.0

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

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