ISO Geodetic Registry

Item class Conversion

Name UTM zone 45N

Item status VALID
Identifier 890

Alias UTM zone 45

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)

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)

Data source ISO Geodetic Registry
Scope Spatial referencing

Operation method Transverse Mercator Projection

Extent

Description	World - onshore and offshore - between 84°E and 90°E, northern hemisphere between equator and 84°N.	
Geographic Bounding Box	West-bound longitude	84.0
	North-bound latitude	84.0
	East-bound longitude	90.0

South-bound latitude

Operation parameter values

Latitude of natural origin	0.0 degree
Longitude of natural origin	87.0 degree
Scale factor at natural origin	0.9996 unity
False easting	500000.0 metre
False northing	0.0 metre

0.0

ISO Geodetic Registry

Item class OperationMethod

Name Transverse Mercator Projection

Item status VALID
Identifier 834

Alias Gauss-Boaga

*Alia*s 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