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

World - onshore and offshore - between 84°E and 90°E, northern hemisphere between equator and 84°N.

Geographic Bounding Box

West-bound longitude
North-bound latitude
East-bound longitude
90.0

South-bound latitude

Operation parameter values

Latitude of natural origin0.0 degreeLongitude of natural origin87.0 degreeScale factor at natural origin0.9996 unityFalse easting500000.0 metreFalse northing0.0 metre

0.0

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