



LEGEND

POPULATED PLACES
 Built up area
 Village

ROADS
 All weather, hard surface, 2 lanes
 All weather, loose or light surface, 2 lanes
 All weather, hard surface, one lane wide
 All weather, loose or light surface, one lane wide
 Fair or dry weather, loose surface
 Cart track
 Footpath, trail

ROUTE MARKERS
 National, interprovincial
 Provincial, communal or other

RAILROADS
 Normal gauge, single track
 1 meter 2'31" wide, station
 narrow gauge, single track
 Normal gauge, double track
 Artillery, information unknown

BRIDGES
 Wood
 Steel
 Concrete
 Footbridge

MISCELLANEOUS CULTURAL FEATURES
 Ferry
 Levee, wall
 Church, Christian shrine, school
 Temple, pagoda, minor pagoda
 Post office, telephone, telegraph
 Cemetery
 Fort, ruins
 Province office, delegation office

Dams
 Masonry
 Earthfill

BOUNDARIES
 International boundary
 First-order administrative division (Tien)
 Area name
 Horizontal control point
 Spot elevation

STREAMS
 Perennial, intermittent
 Canal or ditch: Less than 18 meters wide; Over 18 meters wide
 Lake or pond: Perennial; Intermittent

Salt evaporator
 Large rapids
 Large falls
 Small falls
 Tank, Well, Spring
 Rice, Swamp
 Land subject to inundation
 Nipa, Mangrove
 Limestone mountain, Sand
 Woodland, Plantation

OBSTRUCTIONS
 Elevation of obstruction top above sea level
 Elevation of obstruction top above ground level
 High tension power transmission line
 Telephone or telegraph line

NOTES
 NOT ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE SHOWN.
 A LANE ON THIS MAP IS CONSIDERED TO BE 2.4 METERS (8 FEET) WIDE.
 THE NUMBER IN PARENTHESES FOLLOWING A POPULATED PLACE NAME INDICATES MORE THAN ONE PLACE IS SO NAMED WITHIN THE MAP SHEET AREA.

GLOSSARY
 B. Ban, Bon, Bu, Bui, Buon
 D. Da, Dac, Dao, Dai
 E. Ea
 H. Hoi
 K. Km, Keng
 X. Xom, Xeng
 Y. Yok, Yot, Youk, Yuh

CONVERSION GRAPH
 (1 meter = 3.28 feet)

Meters	Feet
1000	3280
800	2624
600	1968
400	1312
200	656
100	328
50	164
20	66
10	33

ELEVATIONS IN METERS
CONTOUR INTERVAL 20 METERS
 SUPPLEMENTARY CONTOURS 10 METERS

ELLIPSOID WORLD GEODETIC SYSTEM 84
GRID 1,000 METER UTM ZONE 48
WORLD GEODETIC SYSTEM 84 1,000 METER UTM ZONE 48
SYSTEM 84 ELLIPSOID (BLACK NUMBERED TICKS) 1,000 METER UTM ZONE 48
SYSTEM 84 ELLIPSOID (BLUE NUMBERED TICKS) 1,000 METER UTM ZONE 48
EVEREST ELLIPSOID (RED BROWN NUMBERED TICKS) TRANSVERSE MERCATOR
PROJECTION TRANSVERSE MERCATOR
VERTICAL DATUM MEAN SEA LEVEL
HORIZONTAL DATUM WORLD GEODETIC SYSTEM 84
PRINTED BY DTMATIC 8-84

EXAMPLE 1,000 METER GRID SQUARE
 12 13
 46 45
 100,000 M. SQUARE IDENTIFICATION: 7U AP 10P
 GRID ZONE DESIGNATION: 48P 10P
 100 METER REFERENCE: 12 13 46 45

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12 3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45 8

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.
 Example: 48PAP123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.
 Example: 48PAP123456

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
 ADD G-M ANGLE

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
 SUBTRACT G-M ANGLE

GRID CONVERGENCE
 1985
 G-M ANGLE
 (° OR MIN)

GRID CONVERGENCE
 1985
 G-M ANGLE
 (° OR MIN)

GRID CONVERGENCE
 1985
 G-M ANGLE
 (° OR MIN)

GRID CONVERGENCE
 1985
 G-M ANGLE
 (° OR MIN)

BOUNDARIES

ADJOINING SHEETS

6633 I	6633 II	6633 III	6633 IV	6633 V
6632 I	6632 II	6632 III	6632 IV	6632 V
6631 I	6631 II	6631 III	6631 IV	6631 V

ELEVATION GUIDE

The internal administrative boundaries are not necessarily authoritative.

SLOPE GUIDE

PERCENTAGE

PERCENTAGE	DEGREE
1%	5.7°
2%	11.3°
3%	17.0°
4%	22.6°
5%	28.2°
6%	33.7°
7%	39.3°
8%	44.8°
9%	50.4°
10%	56.0°
11%	61.5°
12%	67.1°
13%	72.7°
14%	78.3°
15%	83.9°
16%	89.4°
17%	95.0°
18%	100.6°
19%	106.2°
20%	111.8°
21%	117.3°
22%	122.9°
23%	128.5°
24%	134.1°
25%	139.7°
26%	145.2°
27%	150.8°
28%	156.4°
29%	162.0°
30%	167.6°
31%	173.1°
32%	178.7°
33%	184.3°
34%	189.9°
35%	195.5°
36%	201.0°
37%	206.6°
38%	212.2°
39%	217.8°
40%	223.4°
41%	228.9°
42%	234.5°
43%	240.1°
44%	245.7°
45%	251.3°
46%	256.9°
47%	262.4°
48%	268.0°
49%	273.6°
50%	279.2°
51%	284.8°
52%	290.3°
53%	295.9°
54%	301.5°
55%	307.1°
56%	312.7°
57%	318.3°
58%	323.8°
59%	329.4°
60%	335.0°
61%	340.6°
62%	346.2°
63%	351.8°
64%	357.3°
65%	362.9°
66%	368.5°
67%	374.1°
68%	379.7°
69%	385.3°
70%	390.8°
71%	396.4°
72%	402.0°
73%	407.6°
74%	413.2°
75%	418.8°
76%	424.3°
77%	430.0°
78%	435.6°
79%	441.2°
80%	446.8°
81%	452.4°
82%	457.9°
83%	463.5°
84%	469.1°
85%	474.7°
86%	480.3°
87%	485.9°
88%	491.5°
89%	497.1°
90%	502.7°
91%	508.3°
92%	513.9°
93%	519.5°
94%	525.1°
95%	530.7°
96%	536.3°
97%	541.9°
98%	547.5°
99%	553.1°
100%	558.7°

AB—HORIZONTAL DISTANCE BETWEEN CONTOURS
AC—HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

Highest 180 High Medium Low 100