SERIES	ONC
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ELEVATIONS IN FEET

ALL ELEVATION VALUES (AERONAUTICAL, RELIEF AND HYDROGRAPHIC) ARE BASED ON MEAN SEA LEVEL.

LEGEND

RELIEF PORTRAYAL

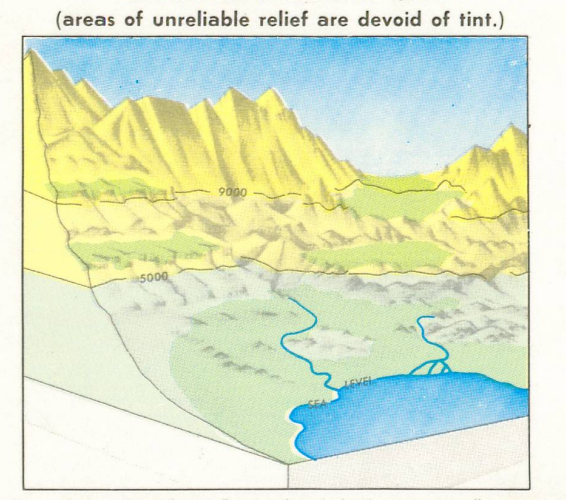
Elevations are in feet. HIGHEST TERRAIN elevation is:

10312 feet

located at 22°18′N 103°47′E

TERRAIN CHARACTERISTIC TINTS

(areas of unreliable relief are devoid of tint.)


9000
5000
SEA
LEVEL

Green color indicates flat or relatively level terrain regardless of altitude above sea level.

CONTOURS

Basic interval 1000 feet.

Intermediate contour shown only at 500 feet.

Dashed contours indicate approximate relief.

SPOT ELEVATIONS

Accurate elevations . . . .•0000

(Elevations are accurate to within 100 feet.)

Questionable elevations x0000

(Maximum possible vertical error is 1000 feet between 102°E and 103°30′E and between 23°N and 24°N, 500 feet in the remaining areas of China, 250 feet in the remaining countries.)

Location Undetermined 0000

(Vertical accuracy unknown)

Critical elevation . . . . • 0000

Lake elevation 0000

Stream elevation 0000

Asterisked elevations (*) represent the latest vertical information and may not agree with contours.

CULTURE

Actual city outline		Towns and villages (outlines unknown)	■ □
Landmark feature (unillustrated)	■ranch	Dual lane roads . .	
Primary roads		Secondary roads . .	
Tracks and trails . .		Single track R. R.	
Multiple track R. R.		Lookout tower	⊙
Power transmission line	•- - - - -•		

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

Example: 12,500 feet . . . . 12^5

✱ In areas where elevations and/or contours appear to disagree with the MEF, the MEF should be considered correct.

AERONAUTICAL INFORMATION

AERODROMES

Major . . . . NICA 700

Major, runway pattern not available . . . . ● ENZO/42 312

Major aerodromes portrayed have a hard surface runway length of 3000 feet or more. Runway patterns and 6000 feet diameter circle is shown at 1:500,000 scale. When runway pattern is not shown, the number following the name indicates length of the longest runway to the nearest hundred feet.

Minor . . . . ○ BIMO 190

VERTICAL OBSTRUCTIONS

Single . . . . 961 (230) Multiple 961 (230)

Highest vertical obstruction within ticked lines of latitude and longitude 1476 (686)

Radio facility obstruction 961 (230)

1476 – – Height of top above mean sea level (MSL)

(686) – – Height of top above ground level (AGL)

VERTICAL OBSTRUCTIONS SHOWN HAVE BEEN SELECTED FROM INFORMATION AVAILABLE AS OF MARCH 1988

All vertical obstructions 200 feet AGL and higher cannot be portrayed due to chart scale and feature density. In general, the highest obstruction in each 3 minute by 3 minute matrix (originating at full degree intersection) is shown; however, in areas of dense culture, this pattern is further reduced to enhance clarity.

CAUTION

Vertical Obstructions, including powerlines, have been extracted from the most reliable sources available; however, there is no assurance that all are shown or that their locations or heights are exact.

RADIO FACILITIES

- VHF OMNI RANGE (VOR)
- VORTAC
- TACAN
- VOR DME
- Other Facilities

SPECIAL USE AIRSPACE

LFR45

Alert, Danger, Military Operations Area, Prohibited, Restricted or Warning Areas. Numbers indicate internationally recognized numerical identifications. Airspace limit line widths are reduced and/or dashed in areas of overlap for clarity only.

All Special Use Airspace is portrayed in the body of this chart with the following exception:

(1) Those that are activated by NOTAM.

BUFFER ZONE

VEGETATION

To assure legibility of significant relief, vegetation patterns are shown in relatively level areas only.

Vegetation . . . .

Clearings . . . .

NOTES

The representation of boundaries is not necessarily authoritative.

Names on this map may reflect two Romanization Systems. The primary names are based on the Wade-Giles Romanization System formerly approved by the U.S. Board on Geographic Names (BGN). Names in parenthesis are Romanized according to the Pinyin System which is now approved by BGN.

Delineation of, and/or terminology associated with, international boundaries have been changed since the last edition.

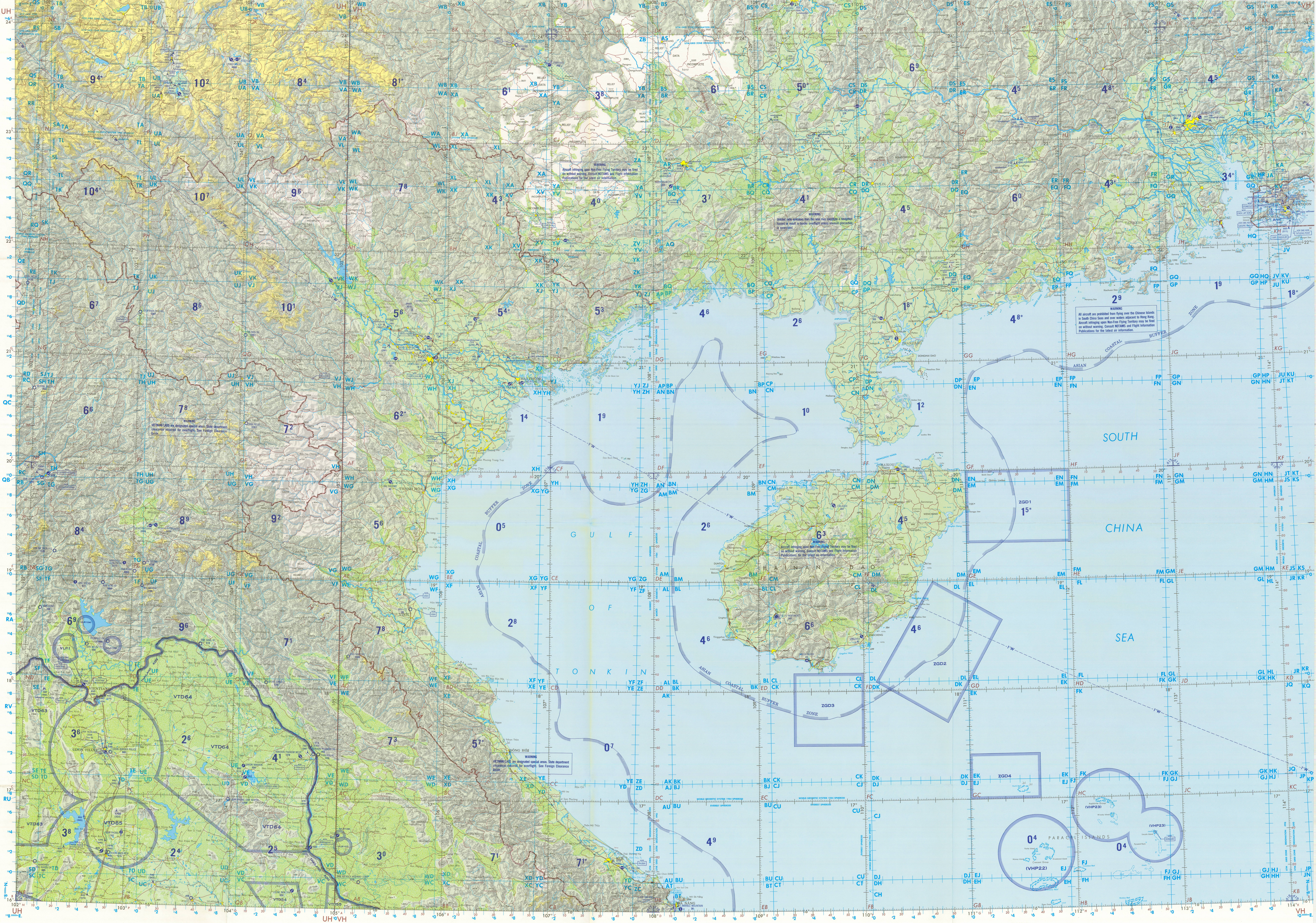
BLUE NUMBERED LINES INDICATE 100,000 METERS, TICKS 10,000 METERS
UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE

SAMPLE AREA:	TO REFERENCE TO NEAREST 1,000 METERS				
25 00000mN. SL TL SK TK Muang Hat Hin 20 0000mE.	SAMPLE POINT: MUANG HAT HIN				
	1. Read letters identifying 100,000 meter square in which the point lies:	TK			
	2. Locate first VERTICAL grid line or tick to LEFT of point and determine LARGE figure value:		1		
	Estimate tenths from grid line to point:			8	
	3. Locate first HORIZONTAL grid line or tick BELOW point and determine LARGE figure value:				4
	Estimate tenths from grid line to point:				1
	SAMPLE REFERENCE:	TK1841			
	If reporting beyond 9° N.S. or 18° E.W., prefix Grid Zone Designation, as:	48QTK1841			

COMPLETE GRID VALUES ARE SHOWN TO DETERMINE FULL COORDINATES, REMAINING VALUES IN BORDER AREA REFLECT OMISSION OF LAST FOUR DIGITS.

Civil users may purchase DMAAC products by ordering them from the following address:

DMA Combat Support Center (DMACSC)
ATTN: DDCP
Washington, DC 20315-0020


SOUTH
CHINA
SEA
GULF
OF
TONKIN
PARACEL ISLANDS
HAINAN DAO
ZGD1
ZGD2
ZGD3
ZGD4
(VHP22)
(VHP23)
VTD63
VTD64
VTD65
VLP1
ASIAN COASTAL BUFFER ZONE
WARNING
All aircraft are prohibited from flying over the Chinese Islands in South China Seas and over waters adjacent to Hong Kong. Aircraft infringing upon Non-Free Flying Territory may be fired on without warning. Consult NOTAMS and Flight Information Publications for the latest air information.
WARNING
Aircraft infringing upon Non-Free Flying Territory may be fired on without warning. Consult NOTAMS and Flight Information Publications for the latest air information.
WARNING
Unlisted radio emissions from this area may constitute a navigation hazard or result in border overflight unless unusual precaution is exercised.
WARNING
VIETNAM/LAOS are designated special areas. State department clearance required for overflight. See Foreign Clearance Guide.
UH
VH
102°
103°
104°
105°
106°
107°
108°
109°
110°
111°
112°
113°
114°
16°
17°
18°
19°
20°
21°
22°
23°
24°

ONC J-11

CHINA, HONG KONG AND THE NEW TERRITORIES,
LAOS, MACAO, PARACEL ISLANDS, THAILAND, VIETNAM.

SCALE 1:1,000,000

Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri. Compiled June 1970. Revised March 1988. (Revision limited to aeronautical information, correction of all CHUM conditions and currency of planimetric data.)

Lithographed by DMAAC 05-91

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Lambert Conformal Conic Projection
Standard Parallels 17°20′ and 22°40′
Convergence Factor .34215

CAUTION

AIR INFORMATION CURRENT THROUGH 24 MARCH 1988

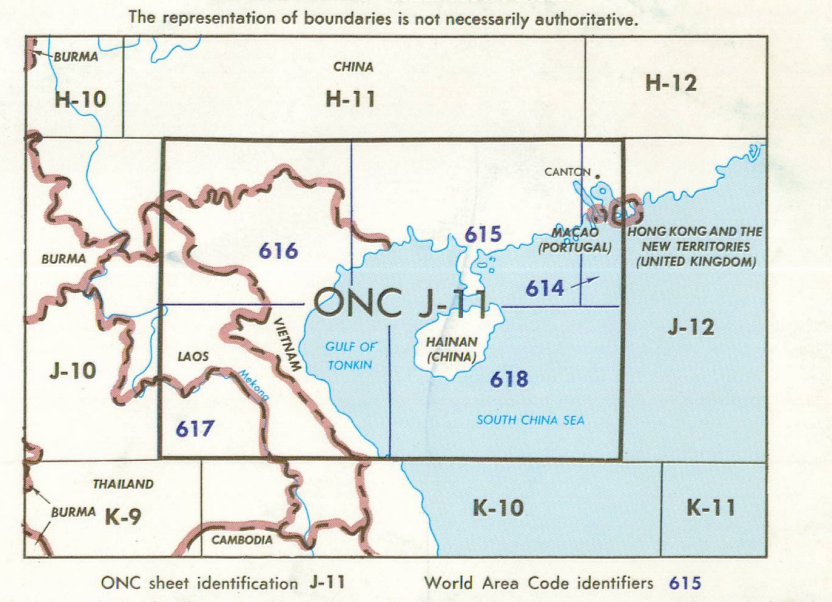
Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (UK) Aeronautical Chart Amendment Document for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1985
(Annual rate of change- 4′ increase)

STOCK NO. ONCXXJ11

INTERCHART RELATIONSHIP

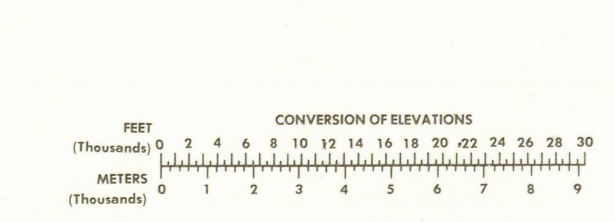
The representation of boundaries is not necessarily authoritative.

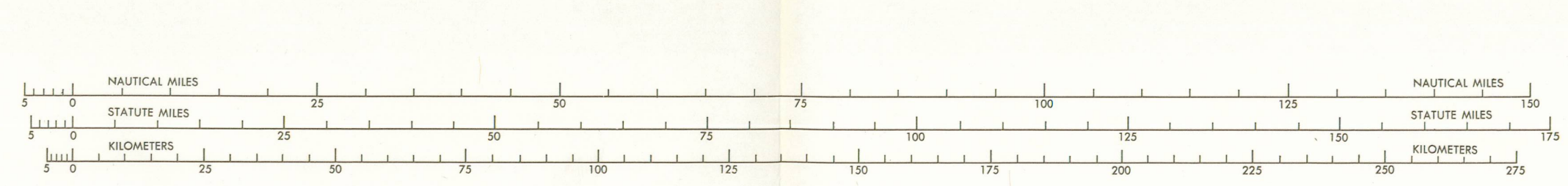

BURMA
H-10
CHINA
H-11
H-12
CANTON
MACAO (PORTUGAL)
HONG KONG AND THE NEW TERRITORIES (UNITED KINGDOM)
615
616
614
ONC J-11
GULF OF TONKIN
HAINAN (CHINA)
618
LAOS
VIETNAM
J-10
J-12
617
SOUTH CHINA SEA
THAILAND
BURMA
K-9
CAMBODIA
K-10
K-11

ONC sheet identification J-11 World Area Code identifiers 615

World Area Code identifiers are also carried in the body of this chart by corner ticks and numbers.

ELEVATIONS IN FEET


CONVERSION OF ELEVATIONS
FEET (Thousands) 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
METERS (Thousands) 0 1 2 3 4 5 6 7 8 9


NAUTICAL MILES 5 0 25 50 75 100 125 150
STATUTE MILES 5 0 25 50 75 100 125 150 175
KILOMETERS 5 0 25 50 75 100 125 150 175 200 225 250 275

OPERATIONAL NAVIGATION CHART

1:1,000,000

ELEVATIONS IN FEET

USERS SHOULD REFER CORRECTIONS, ADDITIONS AND COMMENTS FOR IMPROVING THIS PRODUCT TO:

(US Users): Director, Defense Mapping Agency Aerospace Center, 3200 South Second Street, St. Louis, Missouri 63118-3399. ATTN. QA.

(UK Users): Directorate of Military Survey, Ministry of Defence London.

GLOSSARY

Ap	village	Ling	hill
Archipel	islands	Mae Nam	stream
Chaîne	mountain range	Menam	river
Chau	islands	Mũi	point
Cua	estuary	Nam	stream
Co	mountain	Nong	lake
Dâm	lake	Nông truòng	agricultural center
Dao	island	Núi	mountain
Dáo	mountain	Phou	mountain
Dông	mountain	Phá	lagoon
Gâng	bay	Phu	mountain
Giang	stream	Rào	stream
Haixia	strait	Sè	stream
He	stream	Sha	island
Hòn	island	Shan	mountain(s)
Hu	lake	Shuiku	reservoir
Huai	stream	Sông	stream
Île	island	Vũng	bay
Jiang	stream	Wan	bay
Lam	stream	Wei	cape
Làng	village	Xé	stream
		Yang	bay

WORLD GEOGRAPHIC REFERENCE SYSTEM (RED BROWN)

SAMPLE AREA	REFERENCE TO WITHIN ONE MINUTE				
30′ 30 BA LANG 20 10 E AE 19° 30 A 40 50 106° 30′ VH	SAMPLE POINT: BA LANG				
	Read GEOREF values from left to right and from bottom to top.				
	1. Read letters identifying basic 15° quadrangle in which the point lies:	VH			
	2. Read letters identifying 1° quadrangle in which the point lies:		AE		
	3. Locate the first MINUTE tick of LONGITUDE to LEFT of point and determine GEOREF values:			48	
	4. Locate first MINUTE tick of LATITUDE BELOW point and determine GEOREF value:				25
	SAMPLE REFERENCE	VHAE4825			

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