SERIES TPC
SHEET J-11D
EDITION 4

SCALE 1:500,000

TPC J-11D

ELEVATIONS IN FEET
ALL ELEVATION VALUES (AERONAUTICAL, RELIEF AND HYDROGRAPHY) ARE BASED ON MEAN SEA LEVEL.

LEGEND

RELIEF PORTRAYAL

ELEVATION CONVERSION — Feet / Meters

ELEVATION TINTS — Feet: 5000, 2000, 1000, 500, Sea Level

CONTOURS
Basic Interval 500 feet
Intermediate Contour shown only at 250 feet.

SPOT ELEVATIONS
Accurate Elevation ..... .0000
(Elevations are accurate to within 100 feet)
Questionable Elevation ..... (.0000)
(Elevations are accurate to within 1,250 feet)
Critical elevation ..... .0000
Location Undetermined 0000
(Elevation accuracy unknown)
Lake elevation ..... .0000
Stream elevation ..... .0000
Asterisked elevations (*) represent the latest vertical information and may not agree with contours.

CULTURE

Dual lane individual highways
Primary road
Secondary road
Multiple track R.R.
Single track R.R.
Power transmission line
Lookout tower

CITY/TOWN CLASSIFICATION

First importance — TORINO
Second importance — PESCARA
Third importance — Lecce

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles bounded by United States of Latitude and Longitude are represented in 100s, 1000s and 10,000s of feet. The Maximum Elevation Figure is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (towers, towers, antennas, etc.).
Example: 12,500 feet — 12⁵

AERONAUTICAL INFORMATION

AERODROMES
Major — NGA 730
Major, runway pattern not available — ESDIU-92 312
Major aerodromes portrayed have a hard surface runway length of 3000 feet or more. When runway pattern is not shown, the number following the name indicates length of the longest runway in hundred feet. Diameter of circle represents 8000 feet.
Minor — BIRD 180

VERTICAL OBSTRUCTIONS
Single (AGL) — 1474 Multiple (AGL) — 1474 (486)
Highest vertical obstruction within 1deg lines of latitude and longitude — 1474 (486)
1474 — Height of top above mean sea level (MSL)
(486) — Height of top above ground level (AGL)

VERTICAL OBSTRUCTIONS SHOWN HAVE BEEN SELECTED FROM INFORMATION AVAILABLE AS OF APRIL 1989

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 1 minute by 1 minute metric (originating at 00 minutes) quadrangle is portrayed. In areas of dense cultural, 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

MILITARY OPERATIONS AREA
MERAMAC

Alert, Danger, Military Operations Area, Prohibited, Restricted or Warning areas. Numbers indicate internationally recognized numerical identification. 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(s):
None authorized by NOTAM.

BUFFER ZONE

VEGETATION

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

Vegetation
Clearings

NOTES

Delineation of, and/or terminology associated with, boundaries have been changed since the last edition.
The representation of boundaries is not necessarily authoritative.

WORLD GEOGRAPHIC REFERENCE SYSTEM
GRIDDED DATA SOURCES — NIMA TM 8358.1
DATUM — WGS-84
ELLIPSOID — WGS-84
SEMI-MAJOR AXIS — 6378137.0 METERS
INVERSE FLATTENING — 298.257223563
SEMI-MINOR AXIS — 6356752.3142 METERS
FIRST ECCENTRICITY SQUARED — 0.00669437999014
SEMI-MAJOR AXIS — 6378137.0 METERS
FLATTENING — 1/298.257223563
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Lambert Conformal Conic Projection
Standard Parallels 17°20' and 20°40'
Convergence factor 0.34012

CAUTION
AIR INFORMATION CURRENT THROUGH 11 MAY 1989
Consult NOTAMS and Flight Information Publications for the latest air information. Use the DMA Aeronautical Chart Updating Manual or MCO (UK) Aeronautical Chart Amendment Document for other chart revision information.

MAGNETIC VARIATION THROUGHOUT CHART AREA
FOR 1993 it is approximately 0°40' West.
Annual rate of change is 3' increase.

NSN 7641014105248
NIMA STOCK NO. TPCXXJ11D
ED. NO. 004

TPC J-11D

IAOS, THAILAND, VIETNAM

SCALE 1:500,000

Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri. Compiled March 1970. Revised April 1989. (Revision limited to aeronautical information and correction of all CRitiCAL conditions.)

Printed by NIMA 1-87

SERIES TPC
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INTERCHART RELATIONSHIP
The representation of boundaries is not necessarily authoritative.

ONC/TPC chart identification J-11/J-11D World Area Code identifiers, 817

ELEVATIONS IN FEET

NAUTICAL MILES — STATUTE MILES — KILOMETERS

TACTICAL PILOTAGE CHART

USERS SHOULD REPORT CORRECTIONS, ADDITIONS AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0889, COMMERCIAL: 1-314-263-4308, DSN 693-4308, OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CO, MAIL STOP MSRAMMA, FAIRFAX, VA 22303-3305 (OR SEEREC: DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, SURREWOOD AVENUE, FELTHAM, MIDDLESEX, ENGLAND TW13 7AD

GLOSSARY

China ..... mountain range
Cuu ..... reservoir
D'ien ..... lake
Giang ..... river
Hòn ..... island
Hoang ..... river
Huai ..... river
Ban Nion ..... river
Lam ..... river
Lon Nion ..... river
Mae Nam ..... river
Menam ..... river
Mui ..... point
Nam ..... river
Ngan ..... river
Ngoi ..... river
Nong ..... river
Pha ..... lake
Rao ..... river
Sala ..... rest house
Sê ..... river
Sen ..... mountain
Sông ..... river
Vinh ..... gulf
Vung ..... bay

BLUE NUMBERED LINES INDICATE VALUES METERS. TICKS VALUE METERS
UNIVERSAL TRANSVERSE MERCATOR GRID: ZONE 48Q, 49Q
SHIFTS NEA — 3 SECONDS TO MEET (.05 MILS)
GRID ZONE DESIGNATOR
1. Red Alert: starting 10,000 miles out, use 1 minute grids
2. Code red: RTCH goes out to a 5 x 10° 2° chart and distance (NM) to go is shown
Caution with red grid as low as 5 mils for GRIDREF, grid ten or twenty mils for distance and bearing
Note: Code red grid will be in yellow
SHIFTS REVISED: 1 OCT 88
If starting beyond 10 x 10° 1 K grids 2nd line forgotten or
SHIFTS FOR BLUE LINES (.25 DEGREE TO CORRECT) TRANSVERSE MERCATOR GRIDS (1° GRID ZONE ONLY)
Entire Area Falls In UTM Grid Zone(s) WGS-84 Spheroids.

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