INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 13 m
HEIGHTS RELATED TO
THR RWY 11R - ELEV 12 m

TMC: 125.1 PRI 126.575 SRY
ARR: 121.0 PRI 120.075 SRY
TWR: 118.4 PRI 118.9 SRY

HA NOI/NOI BAI INTL (VVNB) VOR Z RWY 11R

ELEV, ALT, HGT IN METRES
DME DIST (D) IN NM
BRG ARE MAG
VAR 2°W

MSA 46 km
NOB DVOR/DME
1950 1650 1650 800
181° 271° 001° 091°

DME REQUIRED

NOTES:
NOI BAI APP MAY ALLOW AIRCRAFT TO DESCEND TO 2150 m AT HALAN WHEN HAVING COORDINATED CLOSELY WITH HOA LAC AERODROME AND BEING APPROVED BY REGIONAL ATM AND COMMAND CENTRE I.

IN CASE OF FLIGHT OPERATIONS IN HOA LAC AERODROME, AIRCRAFT USING APPROACH PROCEDURE FROM UPVAN MUST ENSURE TO MAINTAIN 2450 m OR ABOVE WHEN FLYING OVER HOA LAC AERODROME AND ONLY DESCEND WHEN HAVING COORDINATED CLOSELY WITH HOA LAC AERODROME AND BEING APPROVED BY REGIONAL ATM AND COMMAND CENTRE I.

NOTES:
LR-278 NOB USED FOR APPROACH PROCEDURE FROM UPVAN.
LR-281 NOB USED FOR APPROACH PROCEDURE ARC 15 DME.
FINAL APCH TRACK IS 2° OFFSET FROM THE SOUTH OF RWY 11R CENTRE LINE.

VVR9 20 000 200
VVR7 6 000 SFC
VVP1 UNL SFC
VVR34 1 200 SFC
VVR35 1 200 300

VINHPHUC DVOR/DME 113.9
VPH
21°16'34"N 105°36'04"E

IF D13.0 NOB 600
FAF D8.8 NOB 600 (588)
MAPT D4.1 NOB
LR-281 NOB
LR-278 NOB
107° 5.2%
IAF D21.0 NOB 1850
069°
R-272 NOB
LIBEO 21°12'45"N 105°27'35"E
D13.0 NOB 900
269°
287°
MNM ALT 1500 1 MIN
IAF
NOIBAI DVOR/DME 116.1 NOB
21°12'47"N 105°50'06"E
D10.0 VPH 1600
ARC 15 DME
IAF D15.0 NOB 2450
R-227 NOB
HALAN 21°02'10"N 105°38'44"E
R-211 VPH
HOA LAC
GIA LAM
047°
227°
MNM ALT 2450 1 MIN
237°
031°
MNM FL100 1 MIN
R-237 NOB
057°
UPVAN 20°55'32"N 105°23'31"E
IAF D30.2 NOB FL100

1264 334 462 308 150 1296 1031

SCALE 1:500 000 KILOMETRES
1 0 1 2 3 4 5 6 7 8 9
1 0 1 2 3 4 5 NM

21° 30' N
21° 00' N
105°30'E
106°00'E

TRANSITION LEVEL FL100

UPVAN IAF D30.2 NOB FL100
HALAN IAF D15.0 NOB 2450
NOB IAF
D10.0 VPH 1600
LIBEO IAF D21.0 NOB 1850
031°
069°
ARC 15DME
900
2150
1500
269°
287°
FAF 600 (588)
107°
5.2%
IF D13.0 NOB 600
400
150
MAPT
THR ELEV 12 m
40 30 20 10 0 10 20 30
KILOMETRES TO/FM THR RWY 11R

MISSED APPROACH:
MAINTAIN FINAL APPROACH TRACK, PASSING NOB DVOR/DME TURN RIGHT CONTINUE CLIMBING TO 1500 m. JOIN HOLDING PATTERN OR FOLLOW NOI BAI TWR INSTRUCTIONS.

					GS	km/h	100	150	200	250	300	350
					FAF-MAPT 8.704 km (4.7 NM)	min:s	5:33	3:58	2:40	2:08	1:46	1:31
OCA (H)	A	B	C	D	RATE OF DESCENT	m/s	1.46	2.18	2.91	3.64	4.39	5.09
STRAIGHT-IN APPROACH	150 (137)				DISTANCE	DME	8.8	8	7	6	5	4.1
CIRCLING	200 (187)	360 (347)	450 (437)	600 (587)	HEIGHT	m	588	510	413	316	219	138

CIRCLING IS ONLY IN THE SOUTH OF RWY