

RJBD / NANKI-SHIRAHAMA

AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA

SID

NANKI REVERSAL THREE DEPARTURE

RWY15 : Climb on HDG163° to NKE 4.0DME, turn right,...

RWY33 : Climb RWY HDG to 1500FT, turn left,....

...direct to NKE VOR/DME.

Cross NKE VOR/DME at or above 4000FT.

Note RWY15 : 5.8% climb gradient required up to 1300FT.

OBST ALT 984FT located at 3.1NM 139° FM end of RWY15.



## STANDARD DEPARTURE CHART - INSTRUMENT

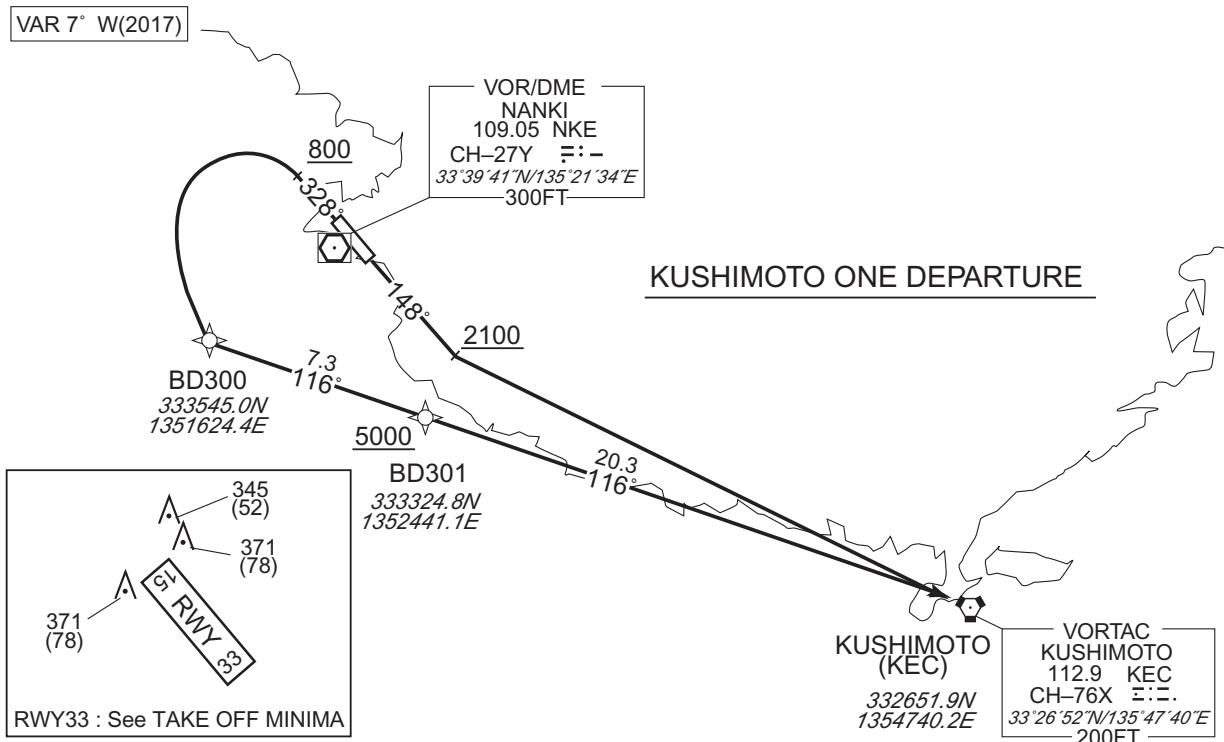
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RNAV SID

## KUSHIMOTO ONE DEPARTURE

Basic RNP1

Note GNSS required.



## KUSHIMOTO ONE DEPARTURE

RWY15 : Climb on HDG148° at or above 2100FT, turn left direct to KEC.

RWY33 : Climb on HDG328° at or above 800FT, turn left direct to BD300, to BD301 at or above 5000FT, to KEC.

Note RWY15 : 6.1% climb gradient required up to 2100FT.

OBST ALT 1641FT located at 4.3NM 138° FM end of RWY15.

OBST ALT 1903FT located at 4.2NM 119° FM end of RWY15.

## RWY15

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	148 (140.1)	-7.3	—	—	+2100	—	—	Basic RNP1
002	DF	KEC	—	—	-7.3	—	L	—	—	—	Basic RNP1

## RWY33

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	328 (321.1)	-7.3	—	—	+800	—	—	Basic RNP1
002	DF	BD300	—	—	-7.3	—	L	—	—	—	Basic RNP1
003	TF	BD301	—	116 (108.7)	-7.3	7.3	—	+5000	—	—	Basic RNP1
004	TF	KEC	—	116 (108.8)	-7.3	20.3	—	—	—	—	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA

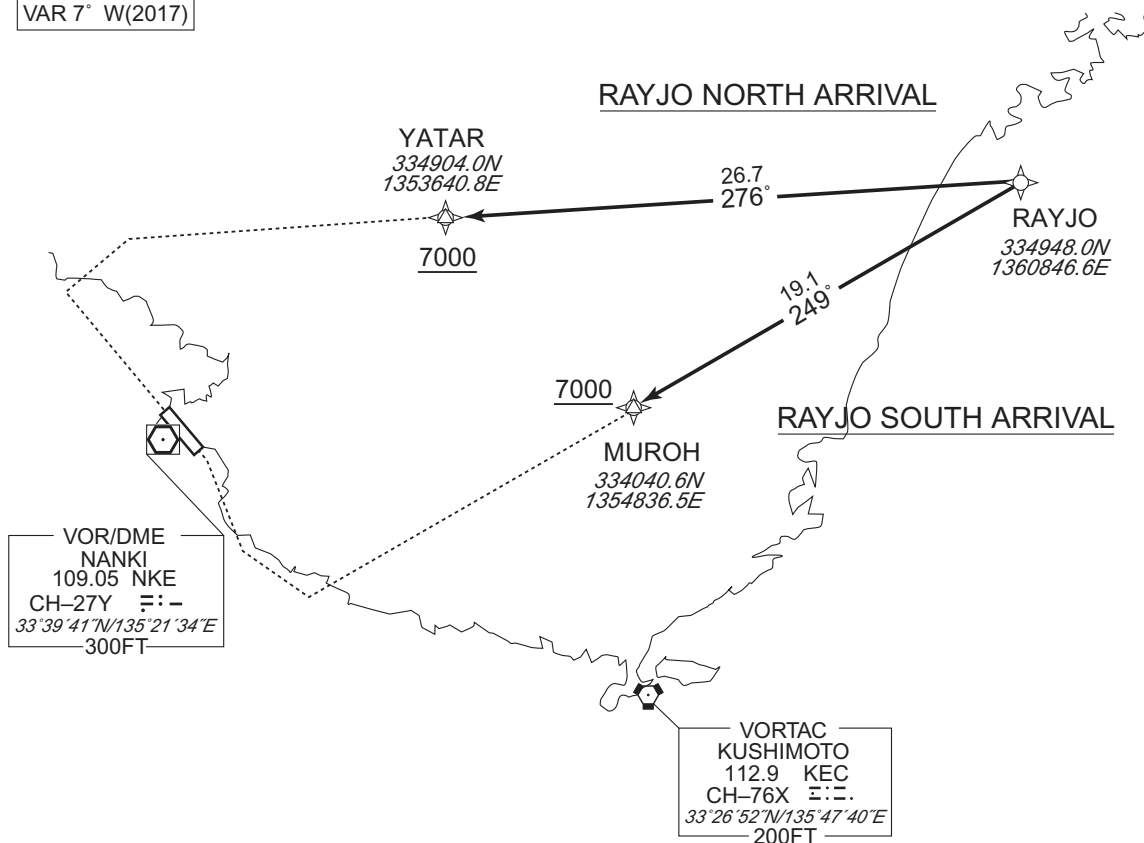
RNAV STAR

RAYJO NORTH ARRIVAL / RAYJO SOUTH ARRIVAL

Basic RNP1

Note GNSS required.

VAR 7° W(2017)



RAYJO NORTH ARRIVAL

From RAYJO, to YATAR at or above 7000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAYJO	—	—	-7.3	—	—	—	—	—	Basic RNP1
002	TF	YATAR	—	276 (268.6)	-7.3	26.7	—	+7000	—	—	Basic RNP1

RAYJO SOUTH ARRIVAL

From RAYJO, to MUROH at or above 7000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAYJO	—	—	-7.3	—	—	—	—	—	Basic RNP1
002	TF	MUROH	—	249 (241.5)	-7.3	19.1	—	+7000	—	—	Basic RNP1

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INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

LOC RWY15



## RJBD / NANKI-SHIRAHAMA

VOR RWY15





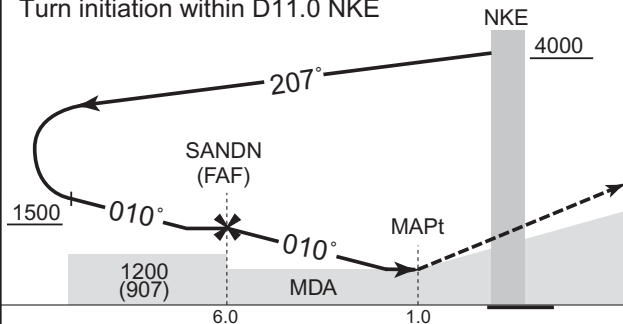
INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

VOR A



Turn initiation within D11.0 NKE



MISSED APPROACH

Climb via NKE R010 to NKE 3.0DME, turn left, direct to NKE VOR/DME and hold at 4000FT. Contact NANKI RADIO.

Timing not authorized for defining the MAPt.

MINIMA

AD elev. 293

CAT	CIRCLING	
	MDA(H)	VIS
A	790 (497)	1600
B		2400
C	1150 (857)	3200
D		

Circling to WEST side of RWY only.

## RJBD / NANKI-SHIRAHAMA

RNAV(GNSS) RWY15

TOKYO CONTROL

133.5 – 124.95

227.6 – 315.7

1. DME/DME RNP0.3 not authorized.

2. RNP0.3 required.

3. GNSS required.

NANKI RADIO

118.55 – 126.2

NO RADAR

VAR 7° (2017)

MSA 25NM

5800

ARP

ARP : 333944N/1352152E

YATAR 334904.04N (IAF) 1353640.80E

BD550 334845.46N 1352440.75E

BD551 334835.73N 1351840.76E

BD552 334623.07N (IF) 1351525.07E

GALAS 334316.34N (FAF) 1351826.57E

BD553 334056.25N (MAPt) 1352042.55E

BD554 333812.75N (MATF) 1352321.04E

KISEI 332804.16N (MAHF) 1351944.01E

NM to Next Fix

ALT (3.0° APCH Path)

FAF

2

1

MAPt

1621

1303

984

-

YATAR (IAF)

7000

BD550

3800

BD551

2900

BD552 (IF)

2300

GALAS (FAF)

1621

BD553 (MAPt)

1100 (807)

MDA

RDH50

276°

275°

238°

148°

3.0°

148°

1.0NM to THR (CAT A, B, C)

1.1NM to THR (CAT D)

VDP (LNAV)

NKE

8.0

4.0

1.0

0

NM to THR

MISSED APPROACH

Direct to BD554, to KISEI and hold at 4000FT. Contact NANKI RADIO.

(For using VOR/DME)

Climb via NKE R141 to NKE 2.1DME, turn right, via NKE R194 to KISEI and hold at 4000FT. Contact NANKI RADIO.

Missed APCH climb gradient MNM 5.0%

MINIMA

THR elev. 298

AD elev. 293

CAT

LNAV/VNAV

LNAV

CIRCLING

DA(H)

CMV

MDA(H)

CMV

MDA(H)

VIS

A

900

900

1600

B

700 (402)

1000

660 (367)

1000

790 (497)

2400

C

D

720 (422)

1400

690 (397)

1400

1150 (857)

3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Circling to WEST side of RWY only.

## RJBD / NANKI-SHIRAHAMA

**TOKYO CONTROL**  
133.5 – 124.95  
227.6 – 315.7

**NANKI RADIO**  
118.55 – 126.2

**NO RADAR**

Baro-VNAV not authorized

VAR 7° (2017)

MSA 25NM

5800  
ARP

ARP : 333944N/1352152E

VOR/DME  
NANKI  
109.05 NKE  
CH-27Y  
33°39'41"N/135°21'34"E

MUROH 334040.60N  
(IAF) 1354836.51E

BD350 333328.76N  
1353250.01E

BD351 333147.70N  
(IF) 1352909.53E

PANDA 333409.14N  
(FAF) 1352517.18E

BD352 333559.06N  
1352418.87E

BD353 333721.40N  
1352334.86E

BD354 333843.80N  
(MAPt) 1352250.96E

KISEI 332804.16N  
(MAHF) 1351944.01E

BD354(MAPt)  
343°(336.1°T)/1.5  
1696

BD353  
343°(336.0°T)/1.5

BD352  
343°(336.2°T)/2.0

PANDA(FAF)  
313°(306.2°T)  
3.0

BD351  
(IF)  
MAX 185KIAS

Final approach course  
OFFSET 15.0°

10NM

360°

194°

194°

15.0  
249°  
(241.4°T)

2762

MUROH (IAF)

NANKI VOR/DME

MHA 4000  
MAX 230KIAS

KISEI  
D11.7 NKE

D18.0  
NKE

NM to Next Fix	MAPt	1	2	3	4	FAF
ALT (3.0° APCH Path)	-	882	1200	1519	1837	2156

MINIMA							THR elev. 274	AD elev. 293
CAT	LNAV/VNAV		LNAV		CIRCLING			
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS		
A	Not applicable		860 (586)	1500	860 (567)	1600		
B				2000		2400		
C					1150 (857)	3200		
D								

8/10/20

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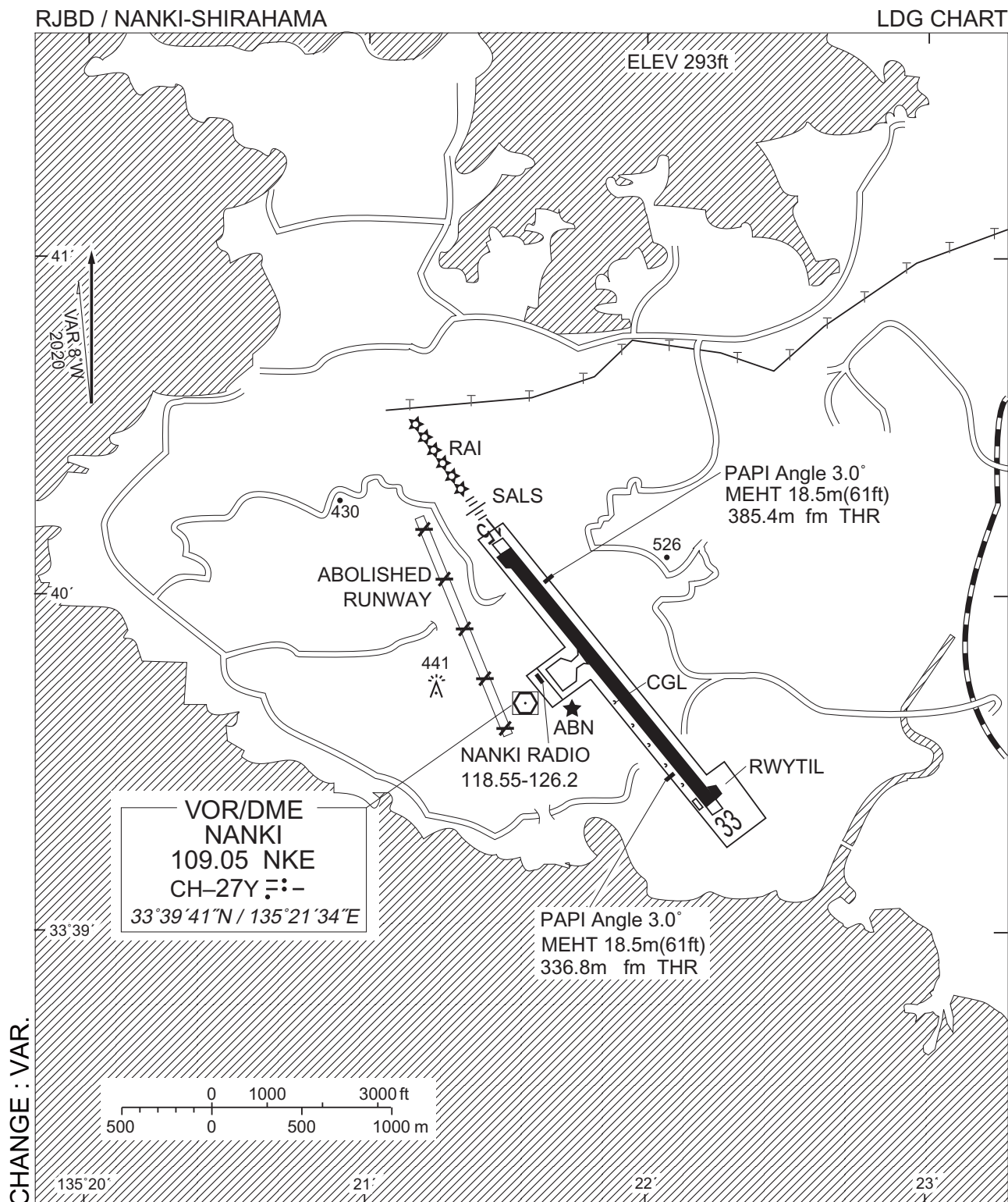
Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
切目 Kirime	318°T / 9.9NM	岬 Cape
南部 Minabe	342°T / 6.6NM	JR駅 Station
生馬 Ikuma	062°T / 3.8NM	橋 Truss-bridge
合川 Gogawa	083°T / 10.0NM	ダム Dam
10NM W	270°T / 10.0NM	海上 Over the Sea
椿 Tsubaki	161°T / 3.7NM	高層ビル High Building
日置 Hiki	143°T / 7.2NM	日置川河口中洲 River-mouth

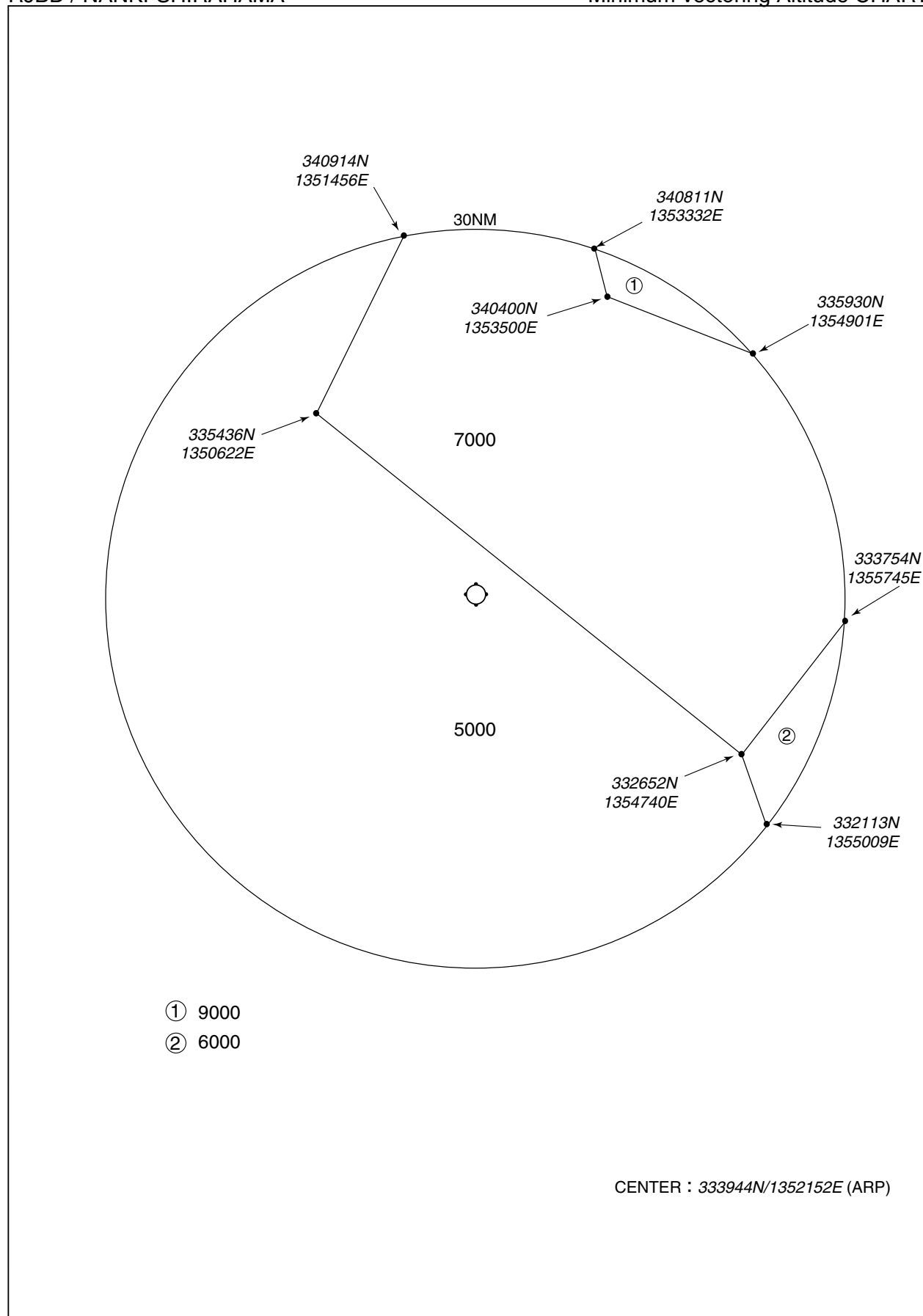


注：南紀白浜空港の西側に廃止された滑走路が(なお、禁止標識が5カ所設置されている)視認できる状態にあるので、南紀白浜空港に着陸する航空機は当該滑走路と誤認しないように注意すること。

NOTE : There is remained the abolished runway with 5 cross[×] markings at west side of Nanki-Shirahama Airport. As the abolished runway in shape is visible, the aircraft which will land on Nanki-Shirahama Airport shall pay a special attention not to confuse the runway.

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Minimum Vectoring Altitude CHART



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