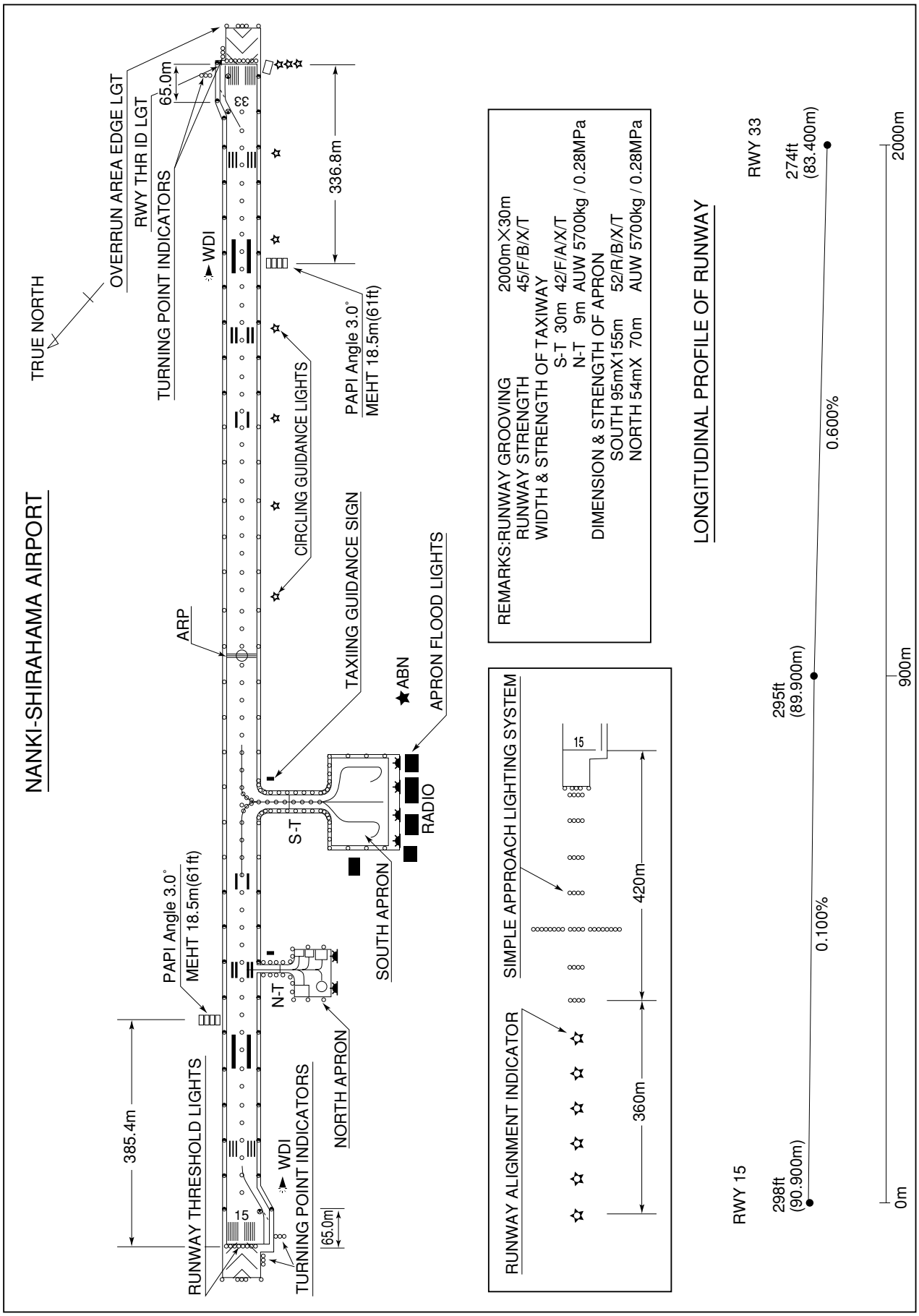
RJBD / NANKI-SHIRAHAMA AD CHART



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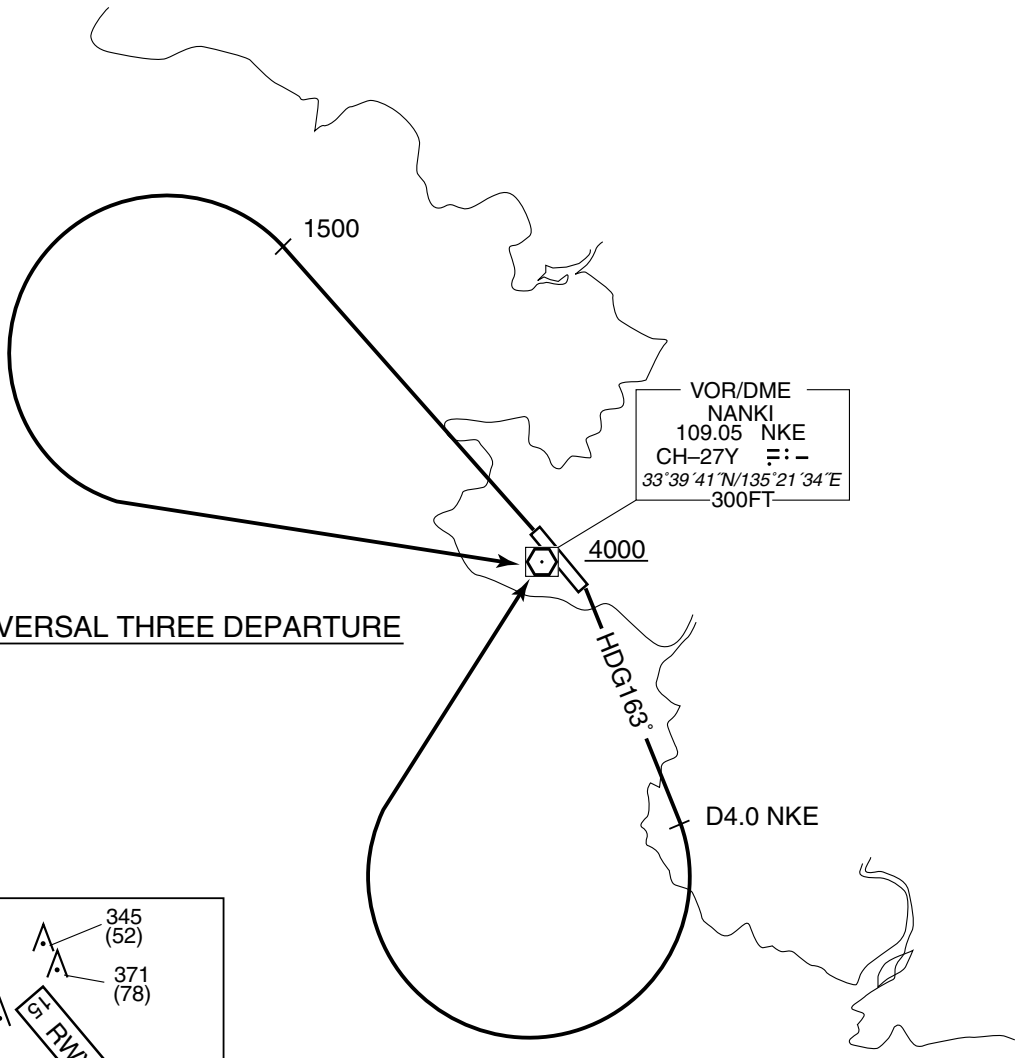
STANDARD DEPARTURE CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA SID

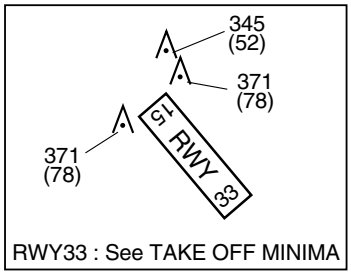
NANKI REVERSAL THREE DEPARTURE

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.



NANKI REVERSAL THREE DEPARTURE



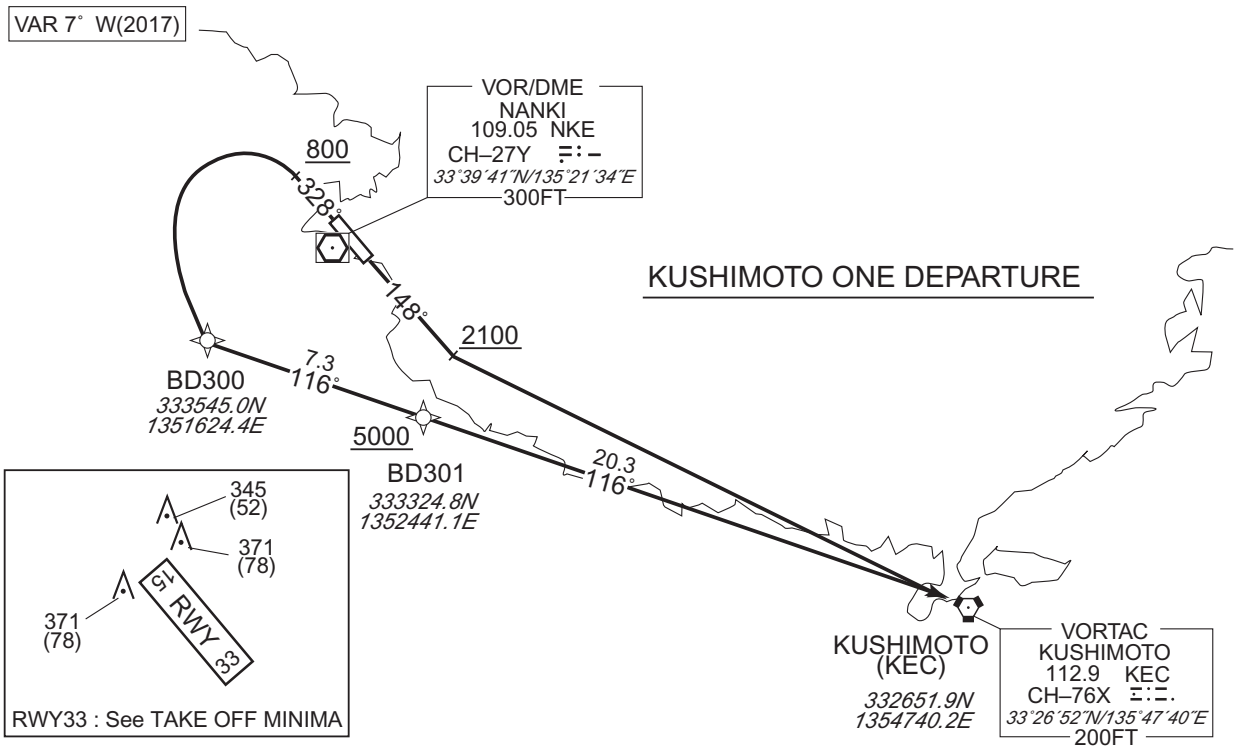
RWY33 : See TAKE OFF MINIMA

STANDARD DEPARTURE CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA 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

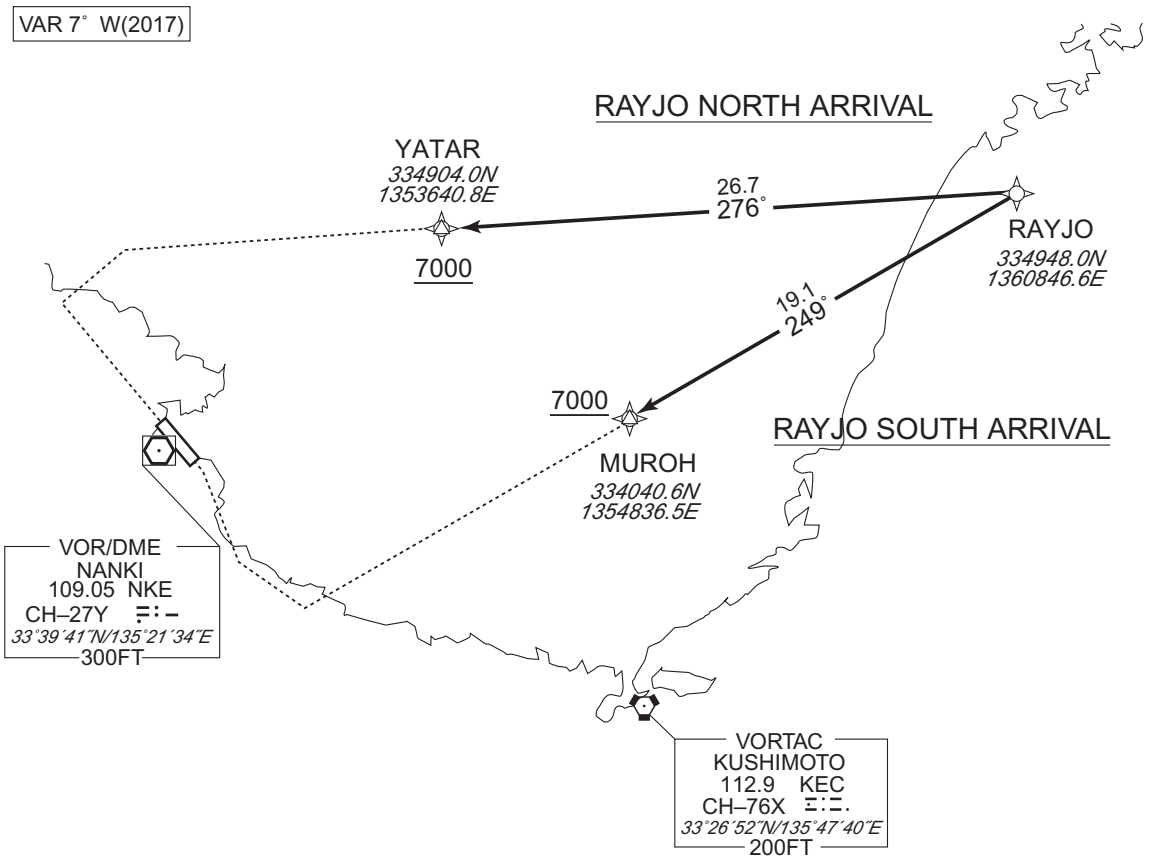
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	328 (321.1)	-7.3	–	–	+800	–	–	Basic RNP1
002	DF	BD300	–	–	-7.3	–	L	–	–	–	Basic RNP1
003	TF	BD301	–	116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



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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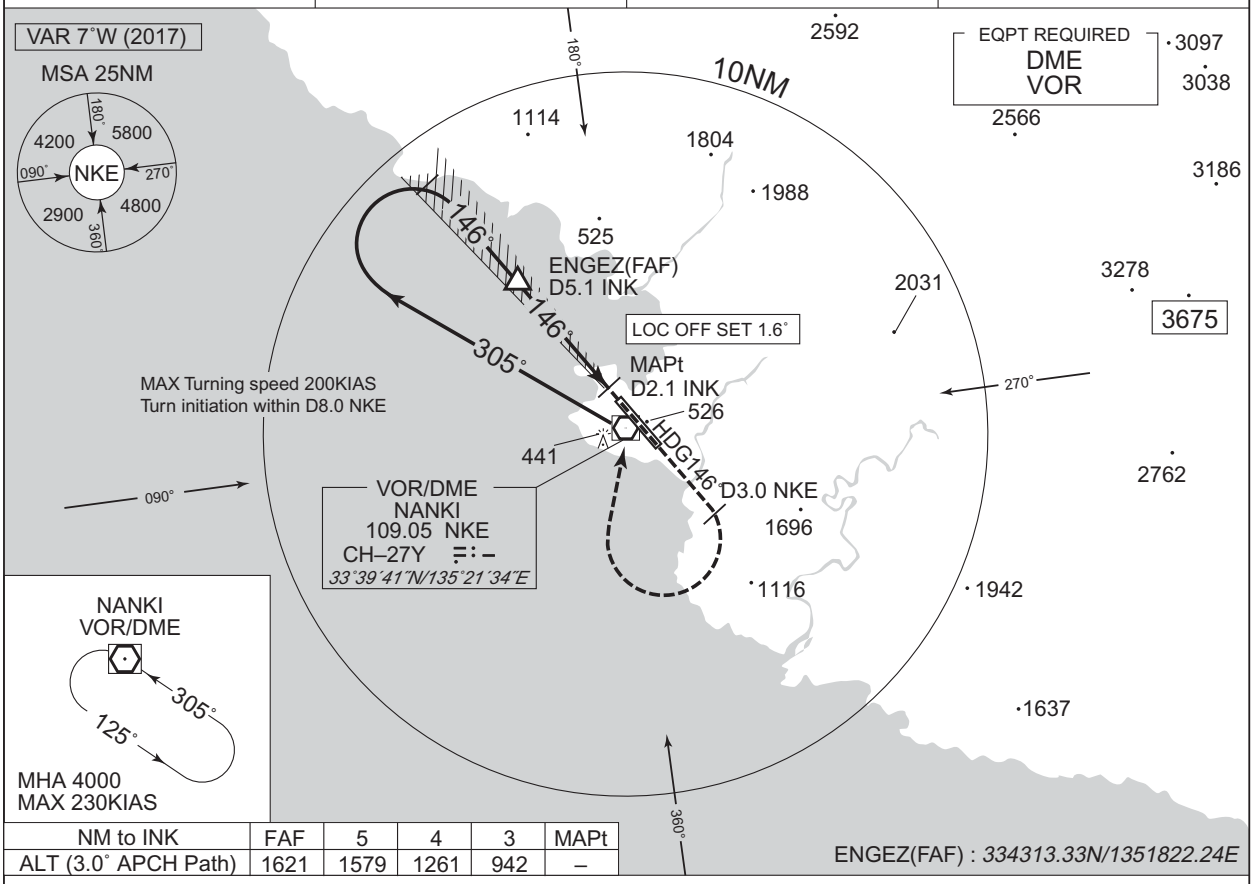
INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA LOC RWY15

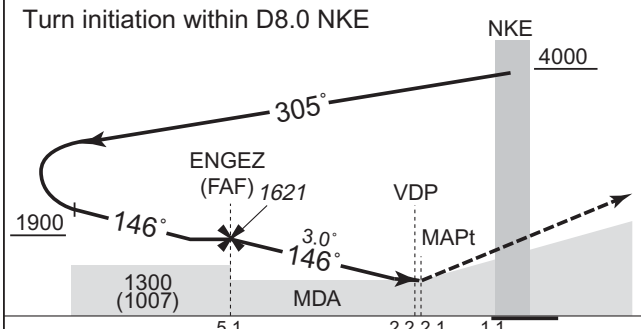
TOKYO CONTROL	LOC	NANKI RADIO	NO RADAR
133.5 – 124.95 227.6 – 315.7	108.55 INK LOC–DME CH–22Y	118.55 – 126.2	



NM to INK	FAF	5	4	3	MAPt
ALT (3.0˚ APCH Path)	1621	1579	1261	942	–

ENGEZ(FAF) : *334313.33N/1351822.24E*

Turn initiation within D8.0 NKE



MISSED APPROACH

Climb on HDG 146˚ to NKE 3.0DME, turn right, direct to NKE VOR/DME and hold at 4000FT.
Contact NANKI RADIO.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 298 AD elev. 293

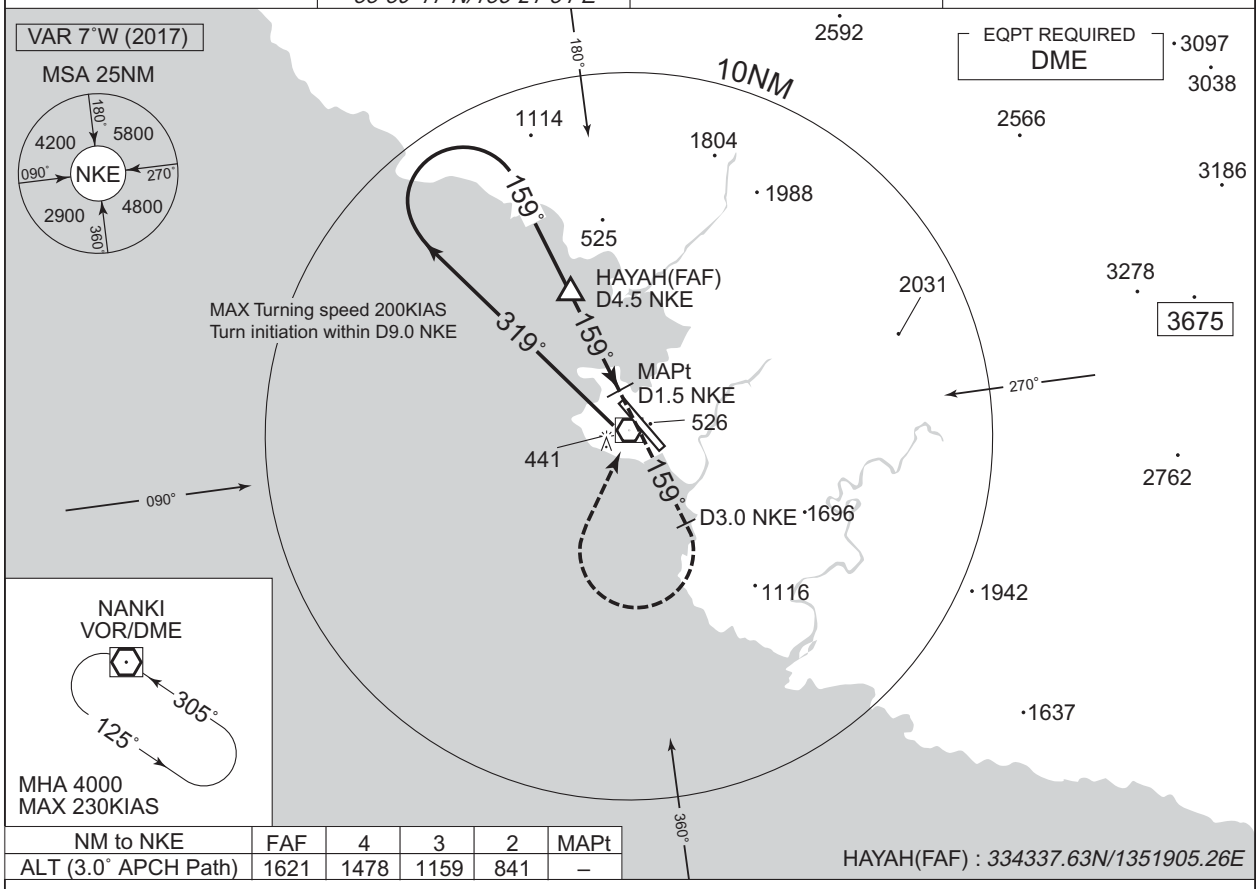
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	670 (377)	900	790 (497)	1600
B		1000		
C				2400
D		1400	1150 (857)	3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA VOR RWY15

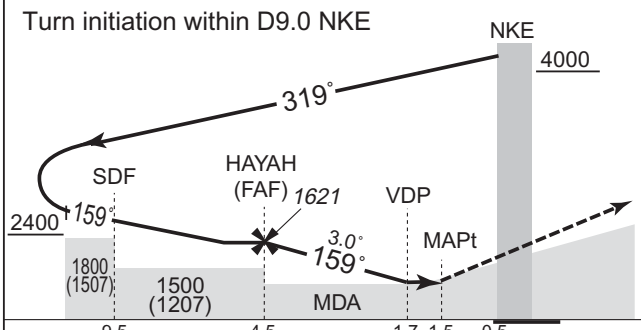
TOKYO CONTROL	NANKI VOR/DME	NANKI RADIO	NO RADAR
133.5 – 124.95 227.6 – 315.7	109.05 NKE CH–27Y *33°39′41″N/135°21′34″E*	118.55 – 126.2	



NM to NKE	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1621	1478	1159	841	–

HAYAH(FAF) : *334337.63N/1351905.26E*

Turn initiation within D9.0 NKE



9.5	4.5	1.7	1.5	0.5		DME to NKE
9.0	4.0	1.2	1.0	0		NM to THR

MISSED APPROACH

Climb via NKE R159 to NKE 3.0DME, turn right, direct to NKE VOR/DME and hold at 4000FT.
Contact NANKI RADIO.

Timing not authorized for defining the MAPt.

MINIMA THR elev. 298 AD elev. 293

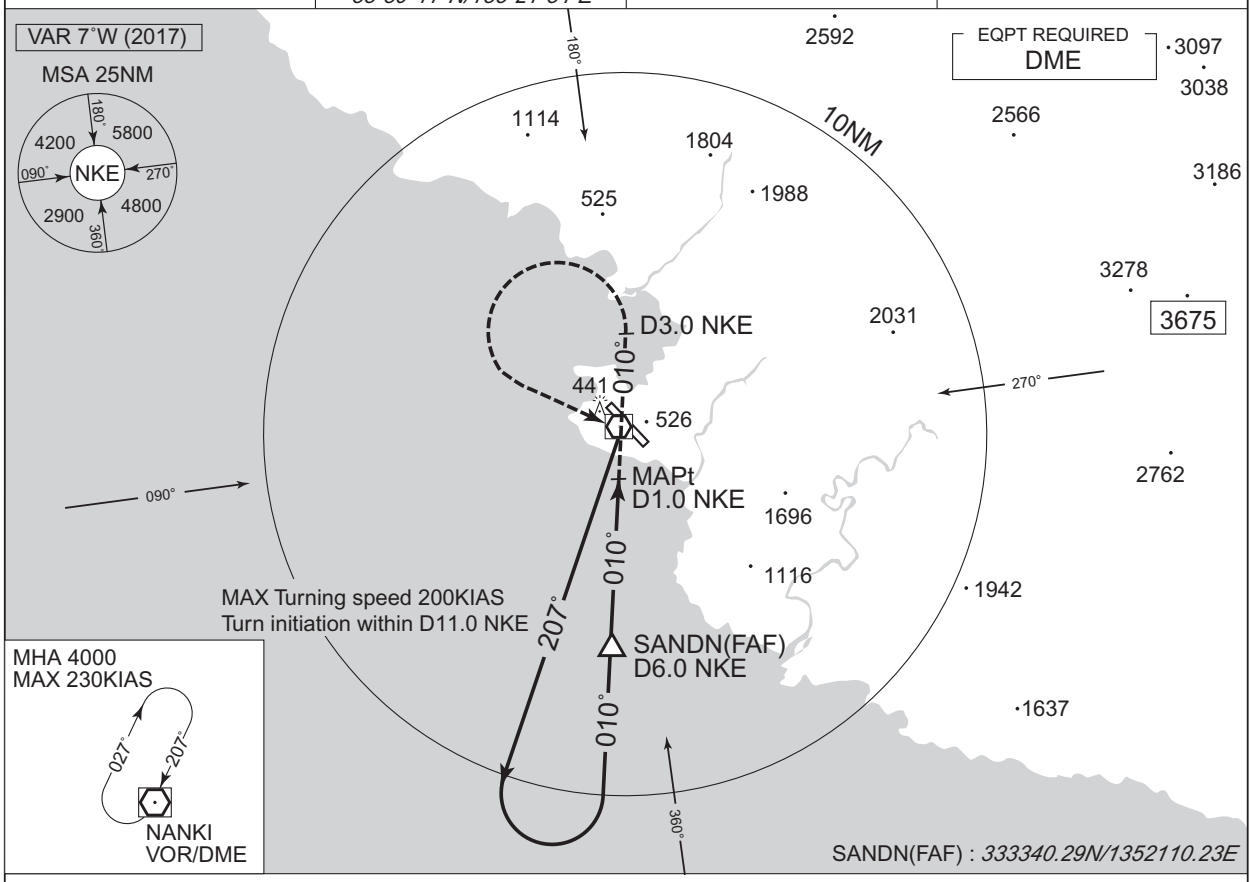
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	720 (427)	900	790 (497)	1600
B		1000		
C				2400
D		1400	1150 (857)	3200

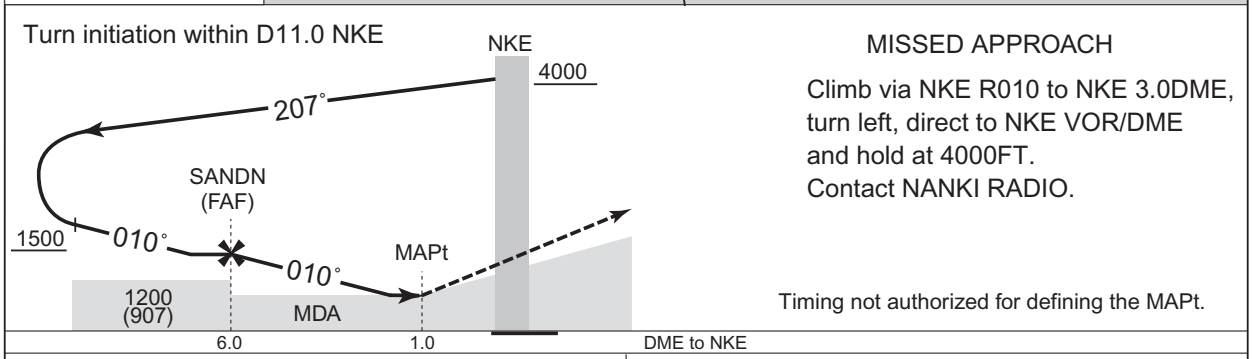
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA VOR A

TOKYO CONTROL	NANKI VOR/DME	NANKI RADIO	NO RADAR
133.5 – 124.95 227.6 – 315.7	109.05 NKE CH–27Y *33°39′41″N/135°21′34″E*	118.55 – 126.2	





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

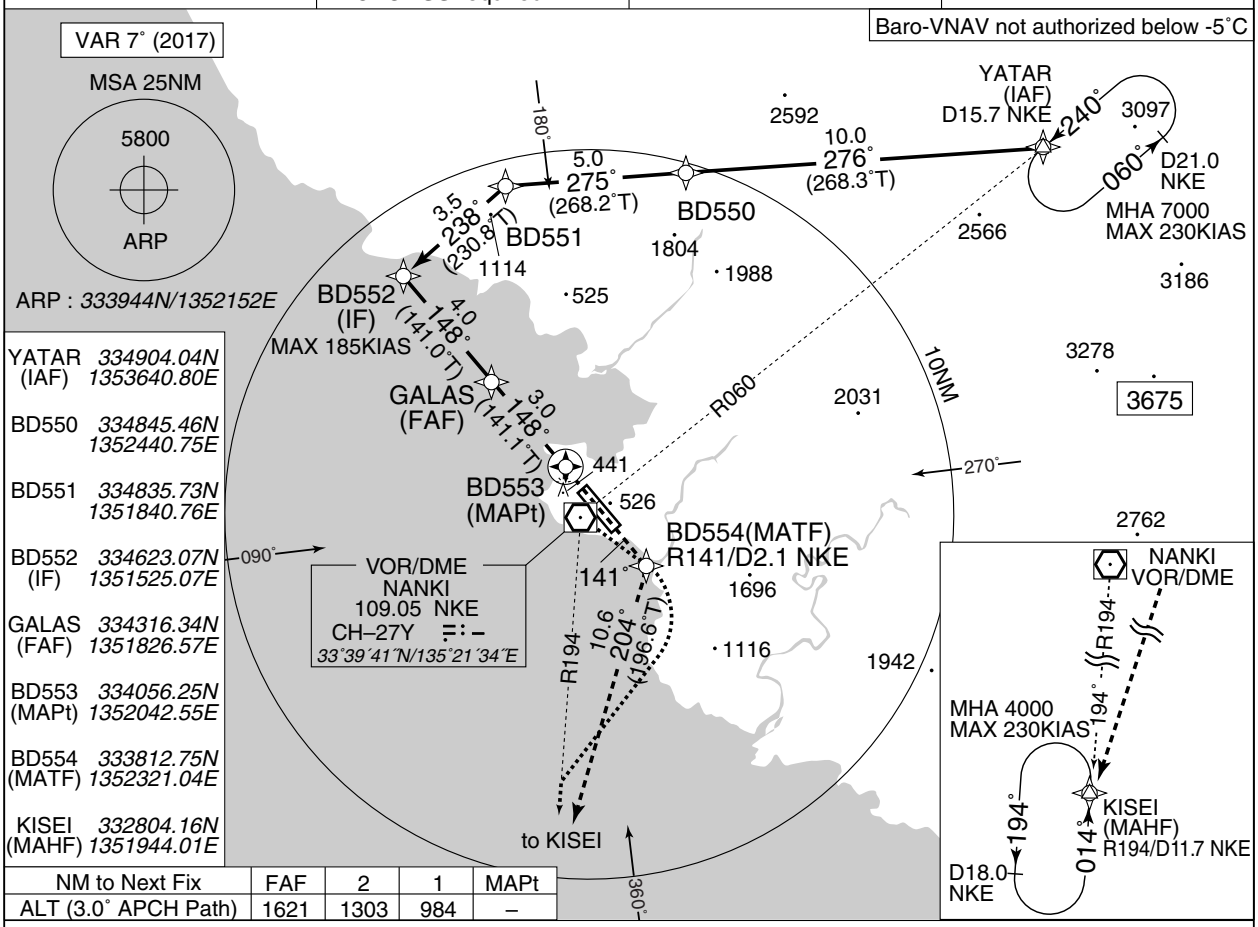
CAT	CIRCLING	
	MDA(H)	VIS
A	790 (497)	1600
B		
C		2400
D	1150 (857)	3200

Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

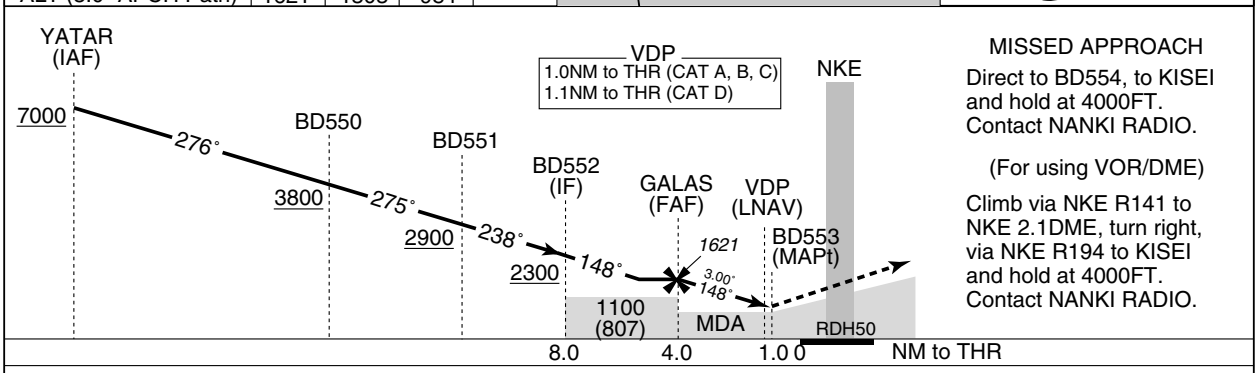
RJBD / NANKI-SHIRAHAMA — RNAV(GNSS) RWY15

TOKYO CONTROL		NANKI RADIO	NO RADAR
133.5 – 124.95 227.6 – 315.7	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required.	118.55 – 126.2	



YATAR (IAF)	334904.04N 1353640.80E
BD550	334845.46N 1352440.75E
BD551	334835.73N 1351840.76E
BD552 (IF)	334623.07N 1351525.07E
GALAS (FAF)	334316.34N 1351826.57E
BD553 (MAPt)	334056.25N 1352042.55E
BD554 (MATF)	333812.75N 1352321.04E
KISEI (MAHF)	332804.16N 1351944.01E

NM to Next Fix	FAF	2	1	MAPt
ALT (3.0˚ APCH Path)	1621	1303	984	–



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

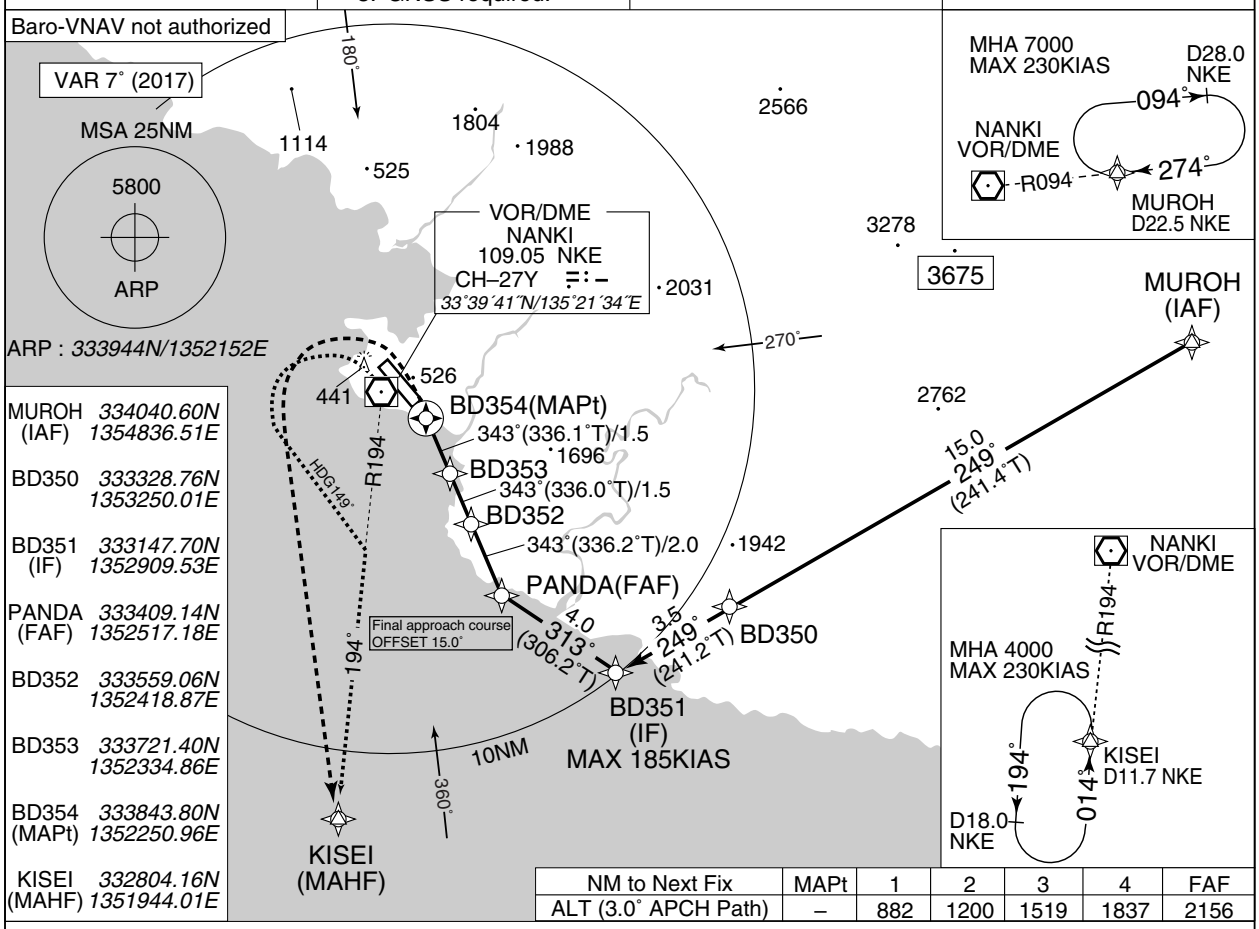
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	700 (402)	900	660 (367)	900	790 (497)	1600
B		1000		1000		
C						2400
D	720 (422)	1400	690 (397)	1400	1150 (857)	3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to WEST side of RWY only.

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA — RNAV(GNSS) RWY33

TOKYO CONTROL		NANKI RADIO	NO RADAR
133.5 – 124.95 227.6 – 315.7	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required.	118.55 – 126.2	



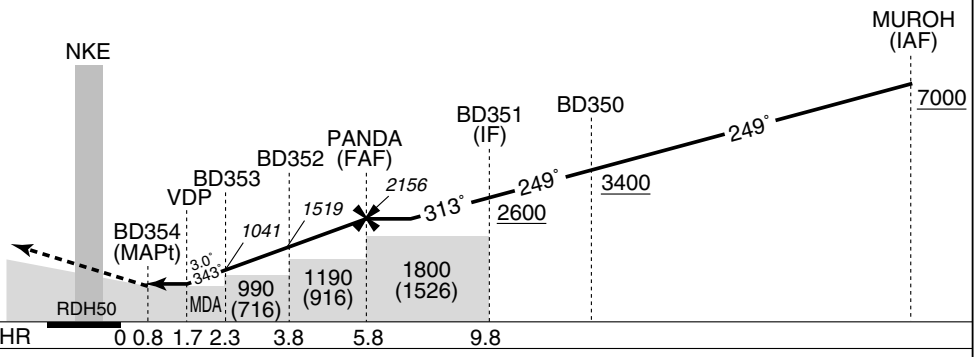
NM to Next Fix	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	882	1200	1519	1837	2156

MISSED APPROACH

Turn left direct to KISEI and hold at 4000FT. Contact NANKI RADIO.

(For using VOR/DME)

Turn left HDG 149˚ to intercept and proceed via NKE R194 to KISEI and hold at 4000FT. Contact NANKI RADIO.



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						
C				2000		2400
D					1150 (857)	3200

Circling to WEST side of RWY only.

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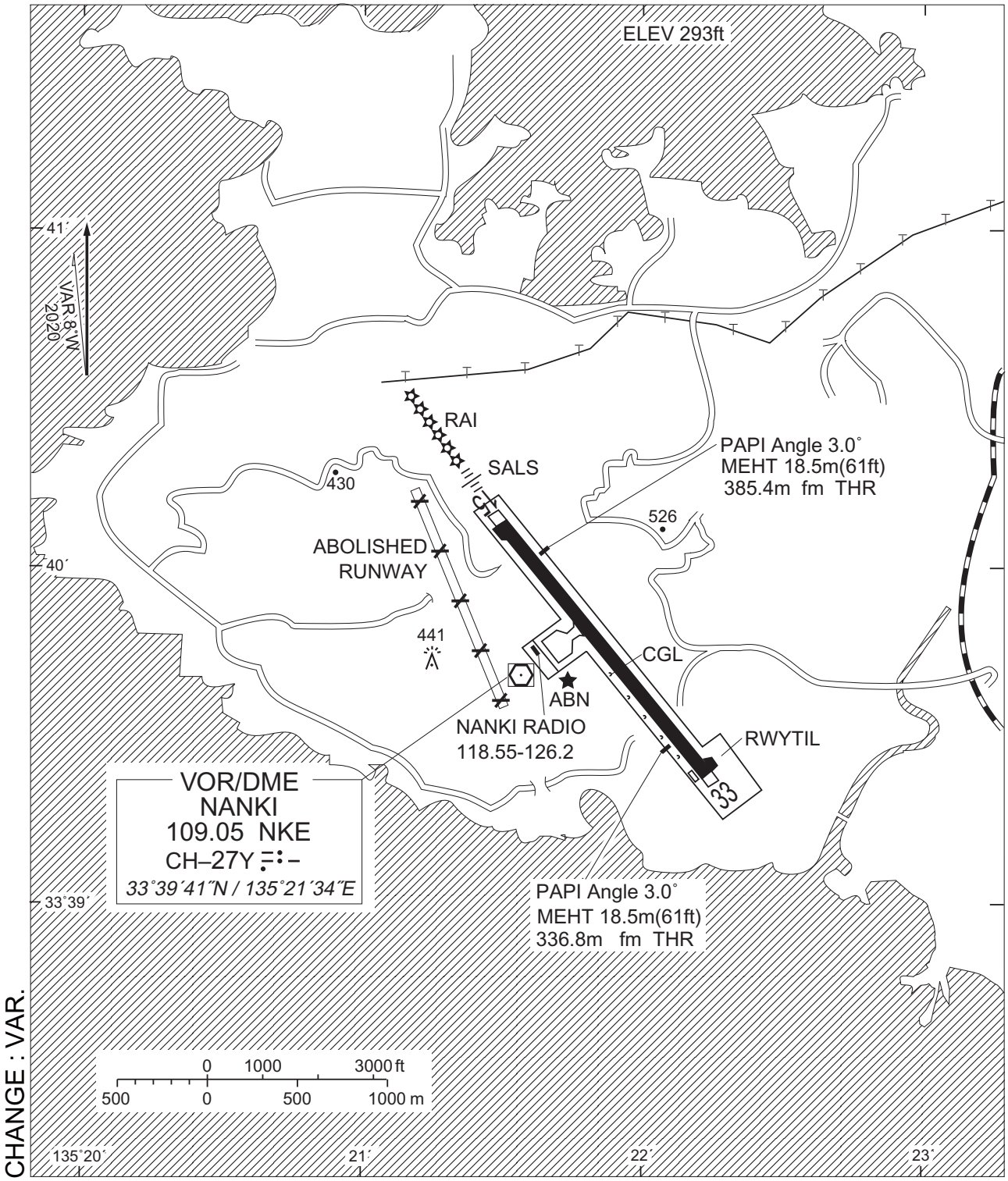
RJBD/NANKI-SHIRAHAMA Visual REP

Call sign	BRG / DIST from ARP	Remarks
切　目 Kirime	325°/9.5NM	岬 Cape
南　部 Minabe	349°/6.5NM	JR駅 Station
10NM W	270°/10.0NM	海上 Over the sea
合　川 Gohgawa	090°/10.0NM	ダム Dam
椿 Tsubaki	167°/4.0NM	高層ビル High Building
日　置 Hiki	149°/7.0NM	日置川河口中州 River-mouth
生　馬 Ikuma	072°/4.0NM	橋 Truss-bridge

RJBD / NANKI-SHIRAHAMA LDG CHART

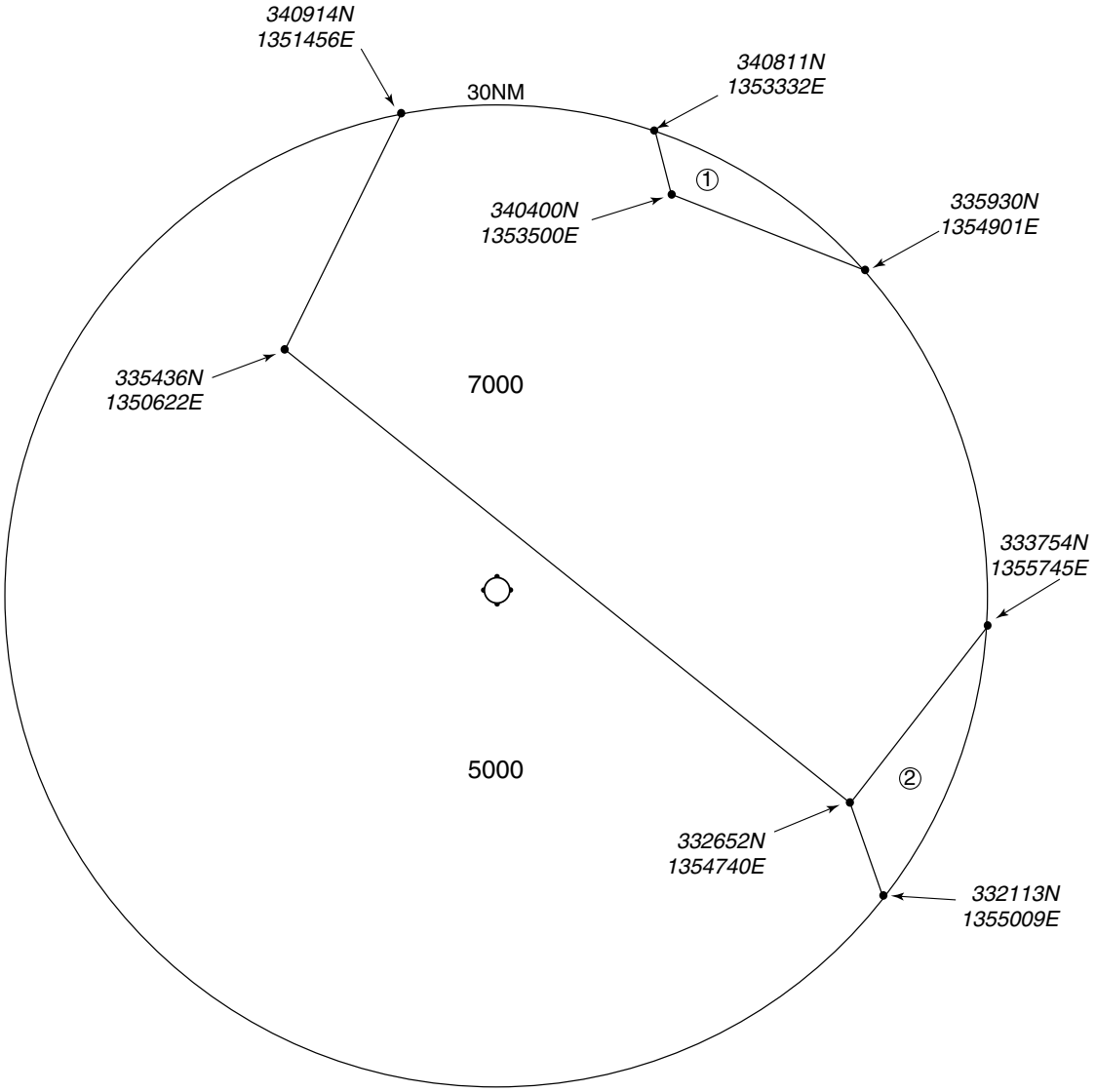


CHANGE : VAR.

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ヵ所設置されている）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.

RJBD / NANKI-SHIRAHAMA Minimum Vectoring Altitude CHART



① 9000
② 6000

CENTER : *333944N/1352152E* (ARP)

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