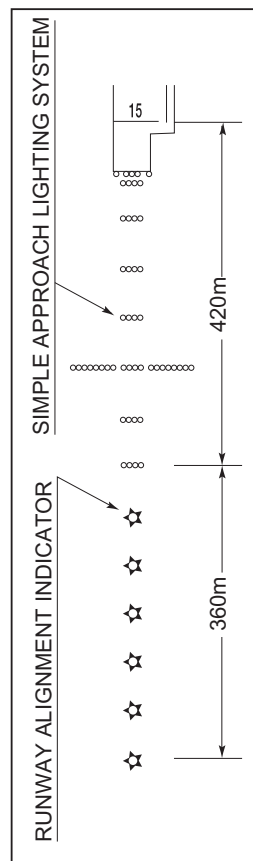
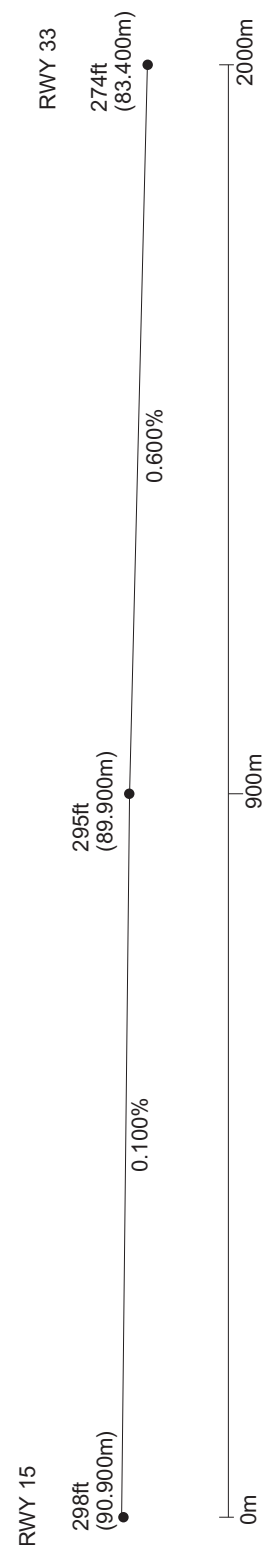


AD CHART



LONGITUDINAL PROFILE OF RUNWAY



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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,...

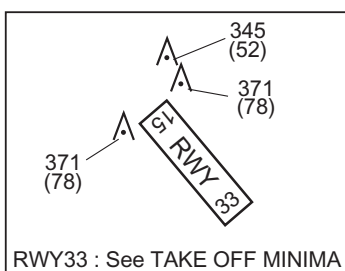
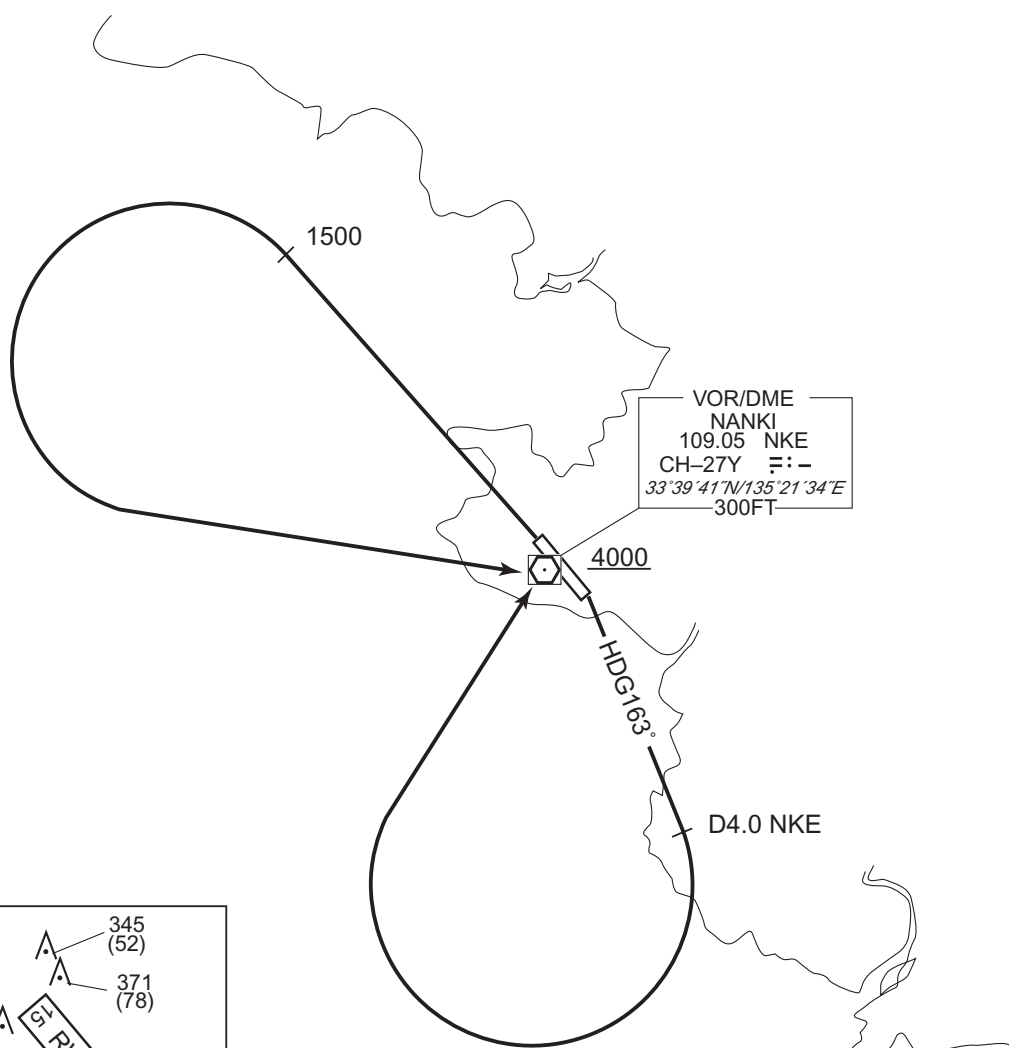
RWY33 : Climb RWY HDG to 1500FT, turn left,....

...direct to NKE VOR/DME.

Cross NKE VOR/DME at or above 4000FT.

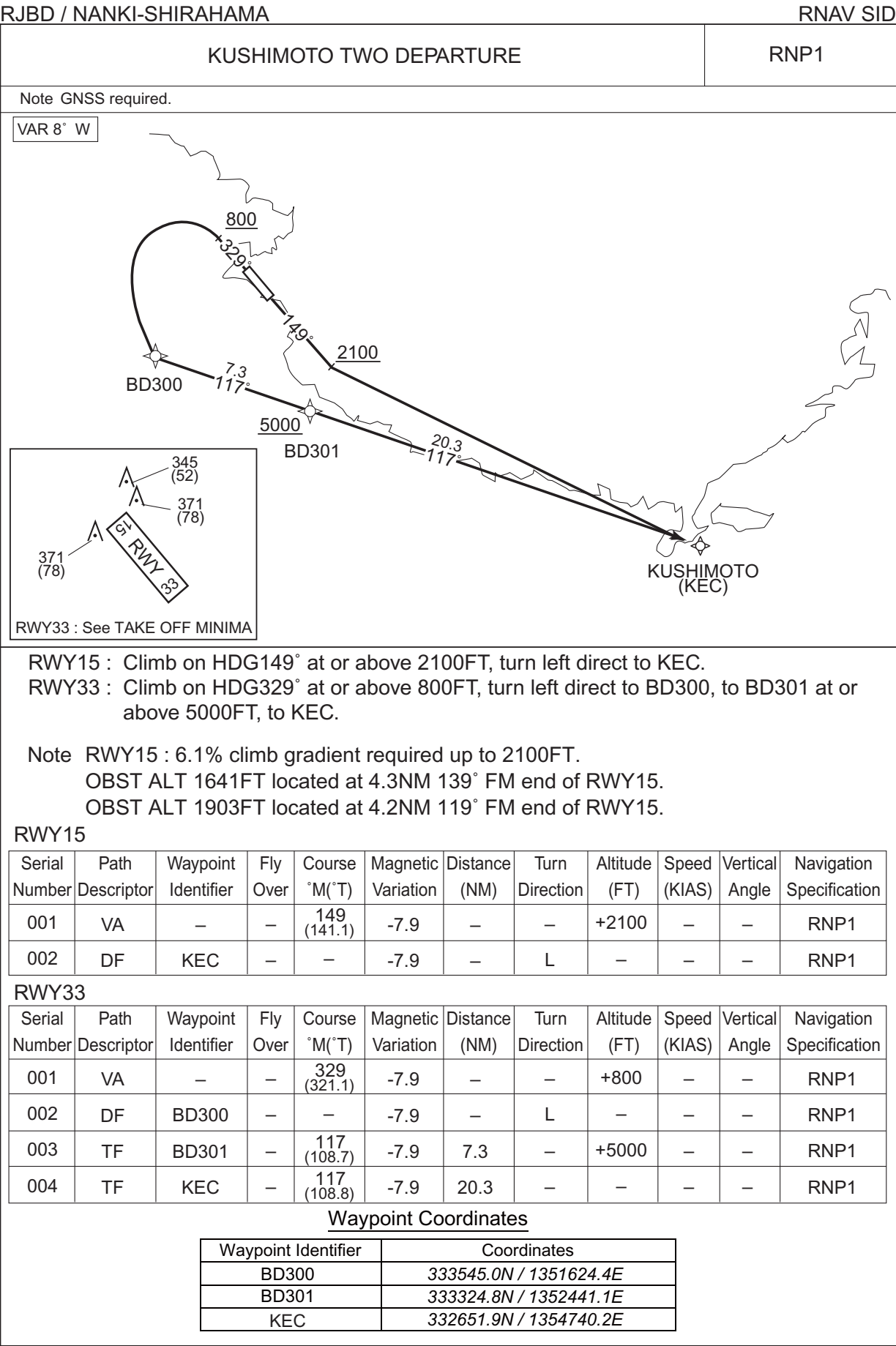
Note RWY15 : 5.8% climb gradient required up to 1300FT.

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



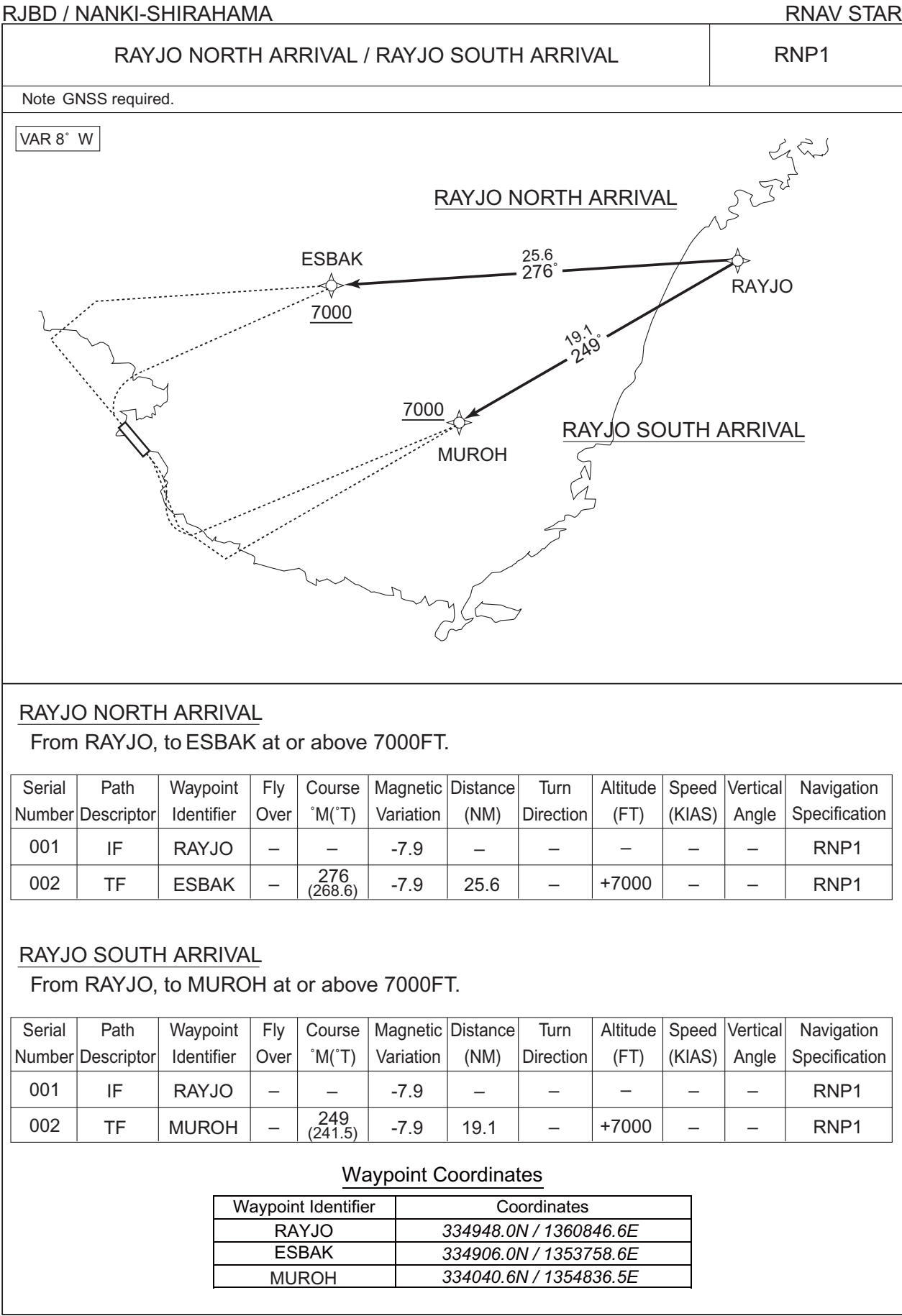
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE : PROC renamed. VAR. PROC course. Waypoint Coordinates added.

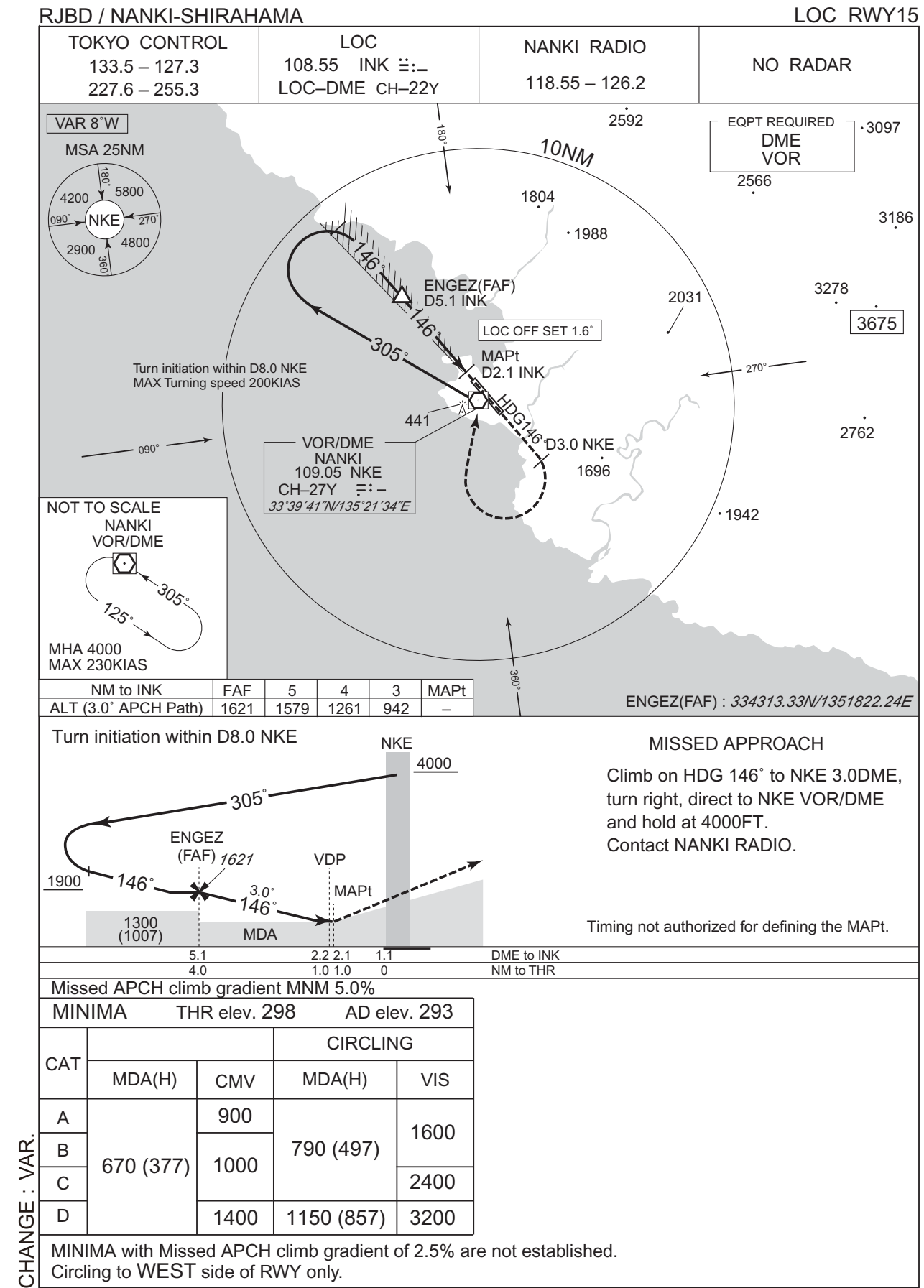
STANDARD ARRIVAL CHART - INSTRUMENT



CHANGE : VAR. PROC course. ESBK established. YATAR abolished. Waypoint Coordinates added.

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INSTRUMENT APPROACH CHART



RJBD / NANKI-SHIRAHAMA

TOKYO CONTROL
133.5 – 127.3
227.6 – 255.3

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

NANKI RADIO
118.55 – 126.2

NO RADAR

VAR 8°W
MSA 25NM
NKE
4200 5800
090° 270°
2900 360°

EQPT REQUIRED
DME

NOT TO SCALE
NANKI
VOR/DME
MHA 4000
MAX 230KIAS

Turn initiation within D9.0 NKE
MAX Turning speed 200KIAS

HAYAH (FAF) D4.5 NKE
MAPt D1.5 NKE
D3.0 NKE

10NM

180° 270° 360°

2592 3097 2566 3186 3278 3675 2031 2762 1942

159° 319° 159° 159°

441

1696

HAYAH (FAF) : 334337.63N/1351905.26E

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

Turn initiation within D9.0 NKE

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

Circling to WEST side of RWY only.

RJBD / NANKI-SHIRAHAMA
VOR A

TOKYO CONTROL 133.5 – 127.3 227.6 – 255.3	NANKI VOR/DME 109.05 NKE CH-27Y <i>33°39'41"N/135°21'34"E</i>	NANKI RADIO 118.55 – 126.2	NO RADAR
--	---	--------------------------------------	-----------------

VAR 8°W

MSA 25NM

NOT TO SCALE
MHA 4000
MAX 230KIAS

NANKI VOR/DME

SANDN (FAF) : 333340.29N/1352110.23E

Turn initiation within D11.0 NKE

DME to 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		
D	1150 (857)	3200

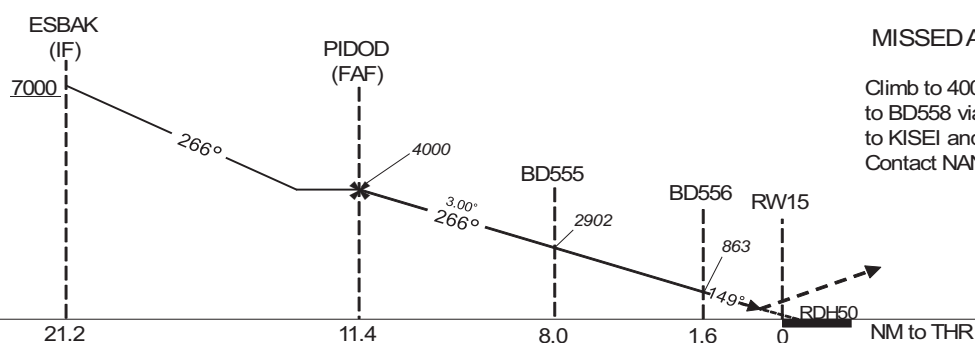
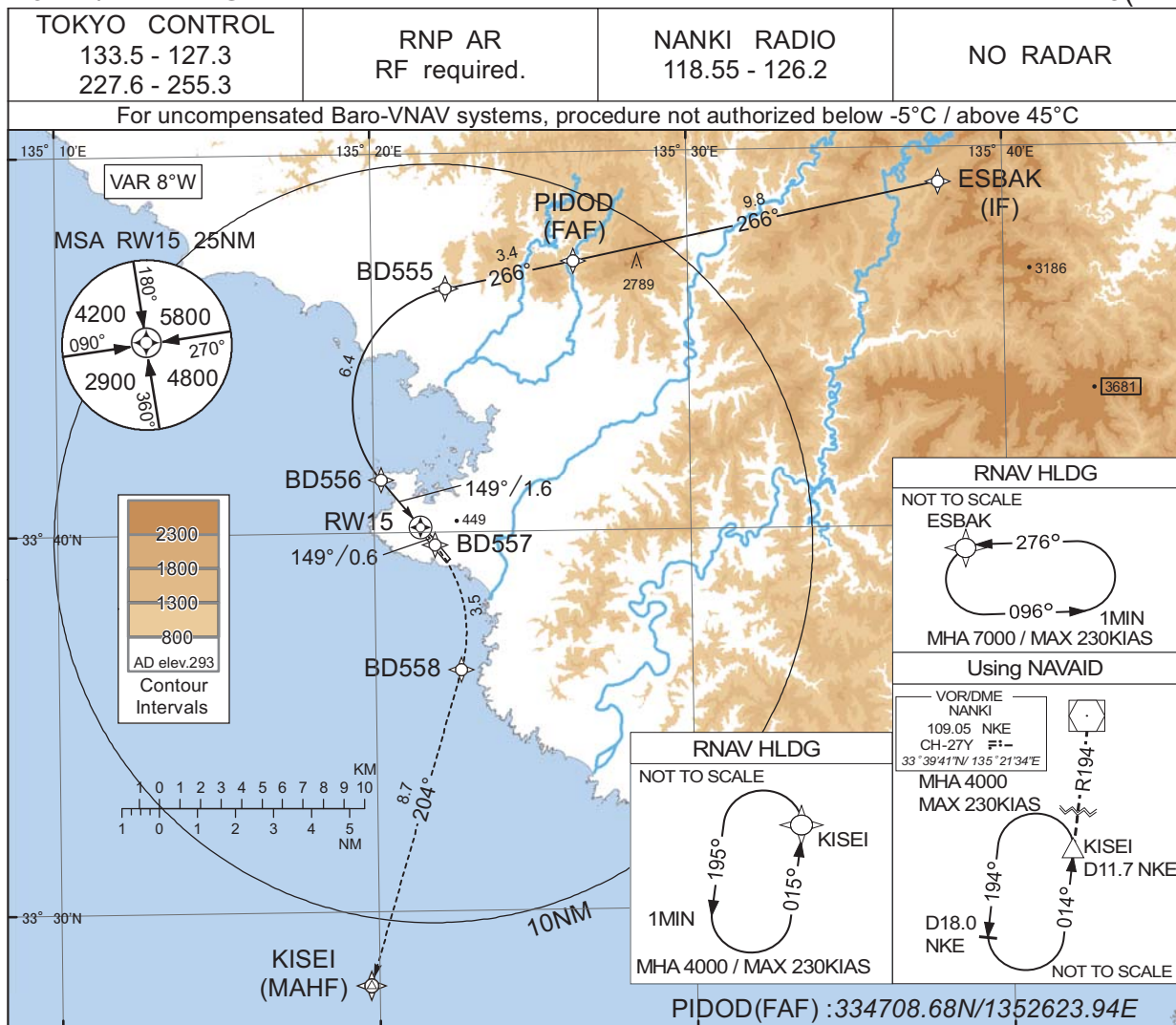
Circling to WEST side of RWY only.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

RNP Z RWY15(AR)



MISSED APPROACH

Climb to 4000FT, to BD557,
to BD558 via fixed radius turn,
to KISEI and hold.
Contact NANKI RADIO.

CHANGE : New PROC.

Authorization Required

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

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

RNP Z RWY15(AR)

Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ESBAK	-	-	-7.9	-	-	+7000	-	-	-
002	TF	PIDOD	-	266 (258.6)	-7.9	9.8	-	4000	-	-	0.30
003	TF	BD555	-	266 (258.5)	-7.9	3.4	-	2902	-	-3.00	0.10 0.30
004	RF Center: BDRF1 r=3.10NM	BD556	-	-	-7.9	6.4	L	863	-	-3.00	0.10 0.30
005	TF	RW15	Y	149 (141.1)	-7.9	1.6	-	348	-	-3.00/50	0.10 0.30
006	TF	BD557	-	149 (141.1)	-7.9	0.6	-	-	-	-	0.10 0.30
007	RF Center: BDRF2 r=3.60NM	BD558	-	-	-7.9	3.5	R	-	-	-	1.0
008	TF	KISEI	-	204 (196.6)	-7.9	8.7	-	4000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	ESBAK	276 (268.6)	-7.9	1.0 (-14000)	L	7000	FL140	-230 (-14000)	1.0
Hold	KISEI	015 (007.5)	-7.9	1.0 (-14000)	L	4000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ESBAK	334905.98N / 1353758.56E	BDRF1	334324.90N / 1352305.04E
PIDOD	334708.68N / 1352623.94E	BDRF2	333725.17N / 1351834.05E
BD555	334627.29N / 1352220.53E		
BD556	334125.22N / 1352014.44E		
RW15	334009.54N / 1352127.85E		
BD557	333941.51N / 1352155.02E		
BD558	333623.28N / 1352241.93E		
KISEI	332804.16N / 1351944.01E		

CHANGE : New PROC.

RJBD / NANKI-SHIRAHAMA

TOKYO CONTROL
133.5 – 127.3
227.6 – 255.3

RNP APCH

NANKI RADIO
118.55 – 126.2

NO RADAR

VAR 8°W

MSA 25NM

5800

ARP

ARP : 333944N/1352152E

ESBAK 334905.98N
(IAF) 1353758.56E

BD559 334856.90N
1353158.53E

BD550 334845.46N
1352440.75E

BD551 334835.73N
1351840.76E

BD552 334623.07N
(IF) 1351525.07E

GALAS 334316.34N
(FAF) 1351826.57E

RW15 334009.54N
(MAPt) 1352127.85E

BD560 333749.39N
(MATF) 1352343.67E

KISEI 332804.16N
(MAHF) 1351944.01E

NM to Next Fix

	FAF	3	2	MAPt
AI T (30° APCH Path)	1621	1303	984	-

ESBAK (IAF) 3097

BD559 5.0 276° (268.2°T)

BD550 5.0 276° (268.2°T)

BD551 3.5 239° (230.8°T)

BD552 (IF) 14.0 149° (141.0°T)

GALAS (FAF) 14.0 149° (141.1°T)

RW15 (MAPt)

BD560 (MATF)

KISEI R194/D11.7 NKE

to KISEI

10NM

270°

090°

10.3 207° (198.9°T)

1988

2033

1696

1413

1941

2592

6.1 276° (268.2°T)

2566

5.0 276° (268.3°T)

ESBAK (IAF)

3097

RNAV HLDG

NOT TO SCALE

ESBAK

276°

096°

1MIN

MHA 7000 / MAX 230KIAS

Using NAVAID

VOR/DME

NANKI

109.05 NKE

CH-27Y

33°39'41"N/135°21'34"E

R194

MHA 4000

MAX 230KIAS

KISEI

R194/D11.7 NKE

D18.0 NKE

NOT TO SCALE

RNAV HLDG

NOT TO SCALE

KISEI

195°

015°

1MIN

MHA 4000 / MAX 230KIAS

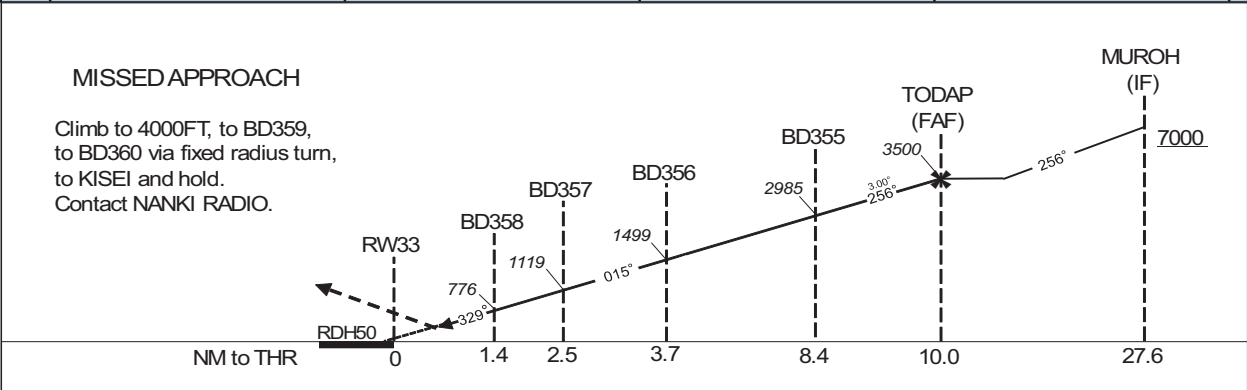
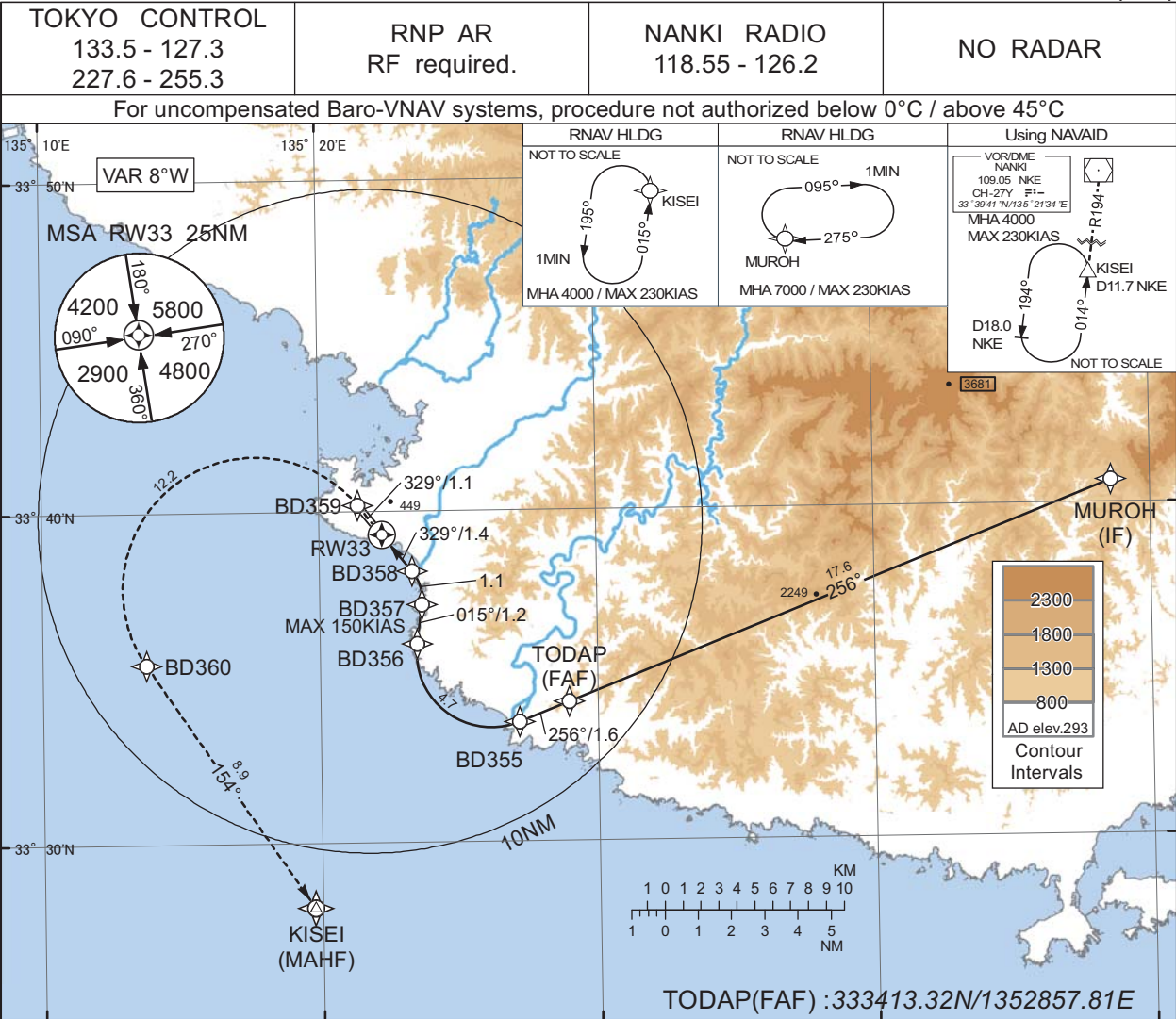
MINIMA THR elev. 298 AD elev. 293						
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	644 (346)	900	790 (497)	1000	790 (497)	1600
B		1000		1200		
C						2400
D	672 (374)	1400	810 (517)	1600	1150 (857)	3200

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

RNP Z RWY33(AR)



Missed APCH climb gradient MNM 5.0%

CAT	THR elev. 274		AD elev. 293	
	RNP 0.10		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	545(271)	1600	614(340)	1800
D	-	-	-	-

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

Authorization Required

INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

RNP Z RWY33(AR)

Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	MUROH	-	-	-7.9	-	-	+7000	-	-	-
002	TF	TODAP	-	256 (248.6)	-7.9	17.6	-	3500	-	-	0.30
003	TF	BD355	-	256 (248.4)	-7.9	1.6	-	2985	-	-3.00	0.10 0.30
004	RF Center: BDRF3 r=2.25NM	BD356	-	-	-7.9	4.7	R	1499	-	-3.00	0.10 0.30
005	TF	BD357	-	015 (007.4)	-7.9	1.2	-	1119	-150	-3.00	0.10 0.30
006	RF Center: BDRF4 r=1.33NM	BD358	-	-	-7.9	1.1	L	776	-	-3.00	0.10 0.30
007	TF	RW33	Y	329 (321.1)	-7.9	1.4	-	324	-	-3.00/50	0.10 0.30
008	TF	BD359	-	329 (321.1)	-7.9	1.1	-	-	-	-	0.10 0.30
009	RF Center: BDRF5 r=4.00NM	BD360	-	-	-7.9	12.2	L	-	-	-	1.0
010	TF	KISEI	-	154 (145.8)	-7.9	8.9	-	4000	-	-	1.0

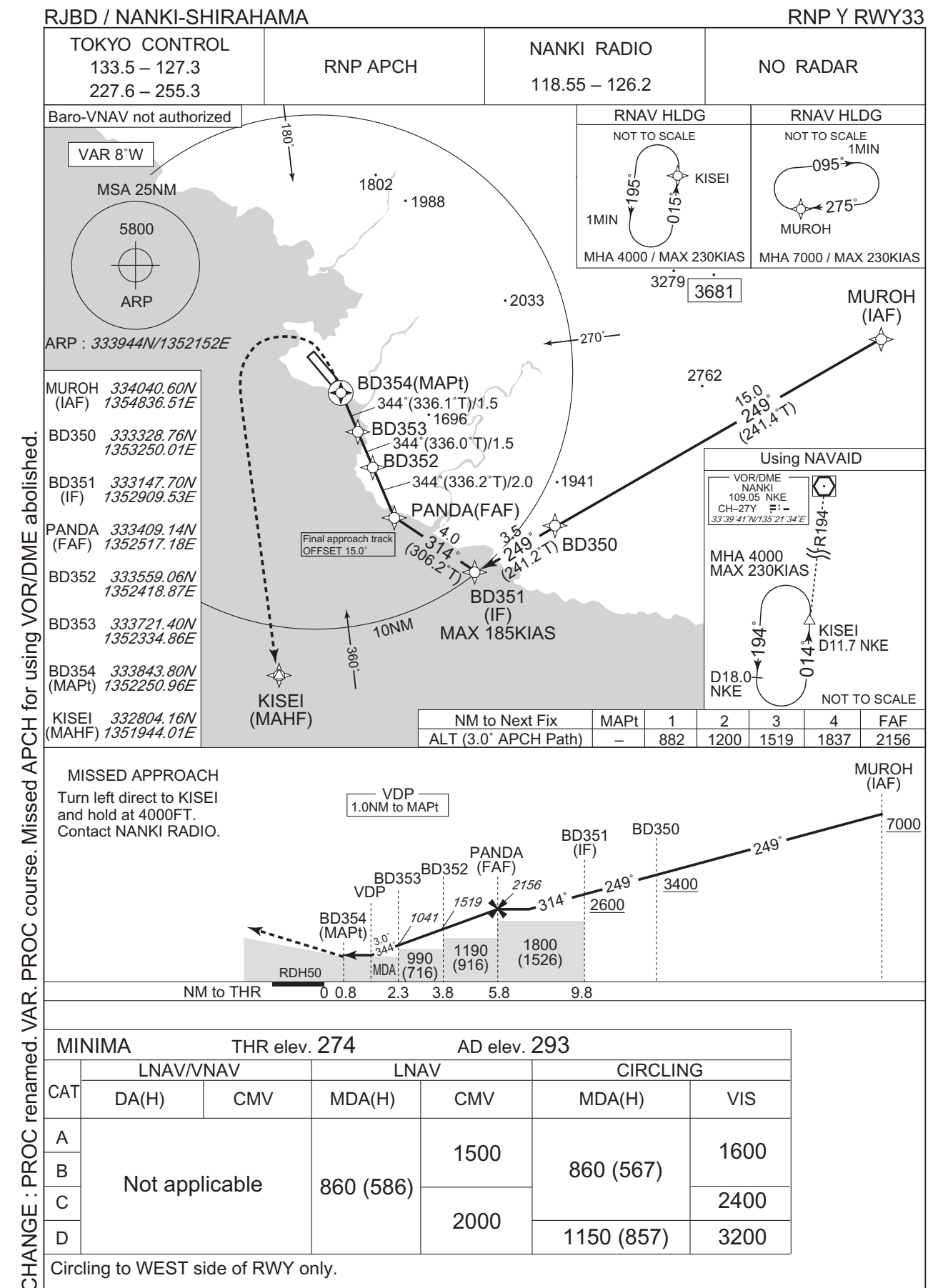
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	MUROH	275 (267.6)	-7.9	1.0 (-14000)	R	7000	FL140	-230 (-14000)	1.0
Hold	KISEI	015 (007.5)	-7.9	1.0 (-14000)	L	4000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MUROH	334040.60N / 1354836.51E	BDRF3	333543.33N / 1352610.58E
TODAP	333413.32N / 1352857.81E	BDRF4	333722.36N / 1352206.96E
BD355	333337.66N / 1352709.88E	BDRF5	333741.29N / 1351741.72E
BD356	333600.91N / 1352330.49E		
BD357	333711.99N / 1352341.62E		
BD358	333812.65N / 1352321.14E		
RW33	333919.11N / 1352216.74E		
BD359	334012.66N / 1352124.82E		
BD360	333525.92N / 1351344.46E		
KISEI	332804.16N / 1351944.01E		

CHANGE : New PROC.

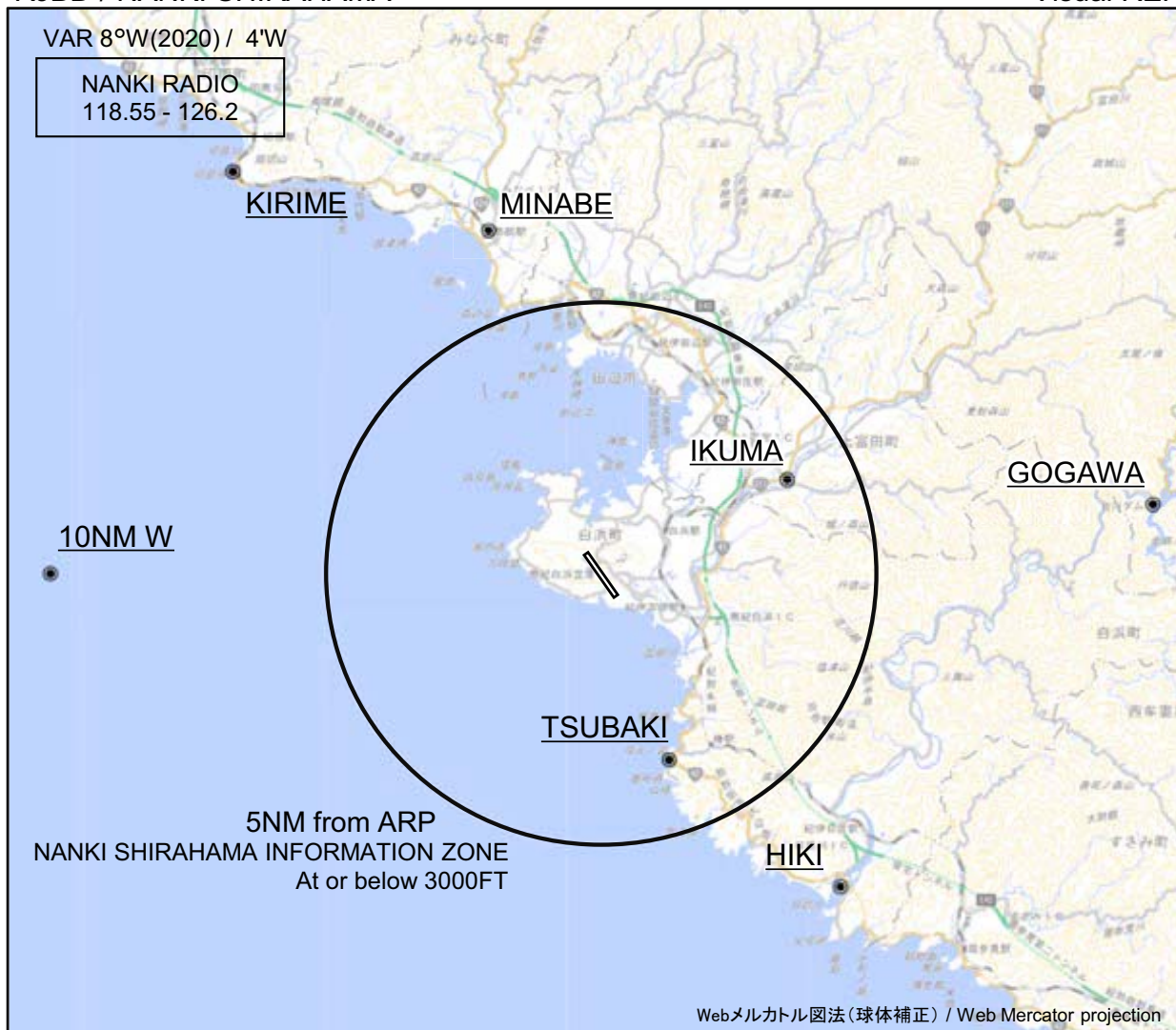
INSTRUMENT APPROACH CHART



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RJBD / NANKI SHIRAHAMA

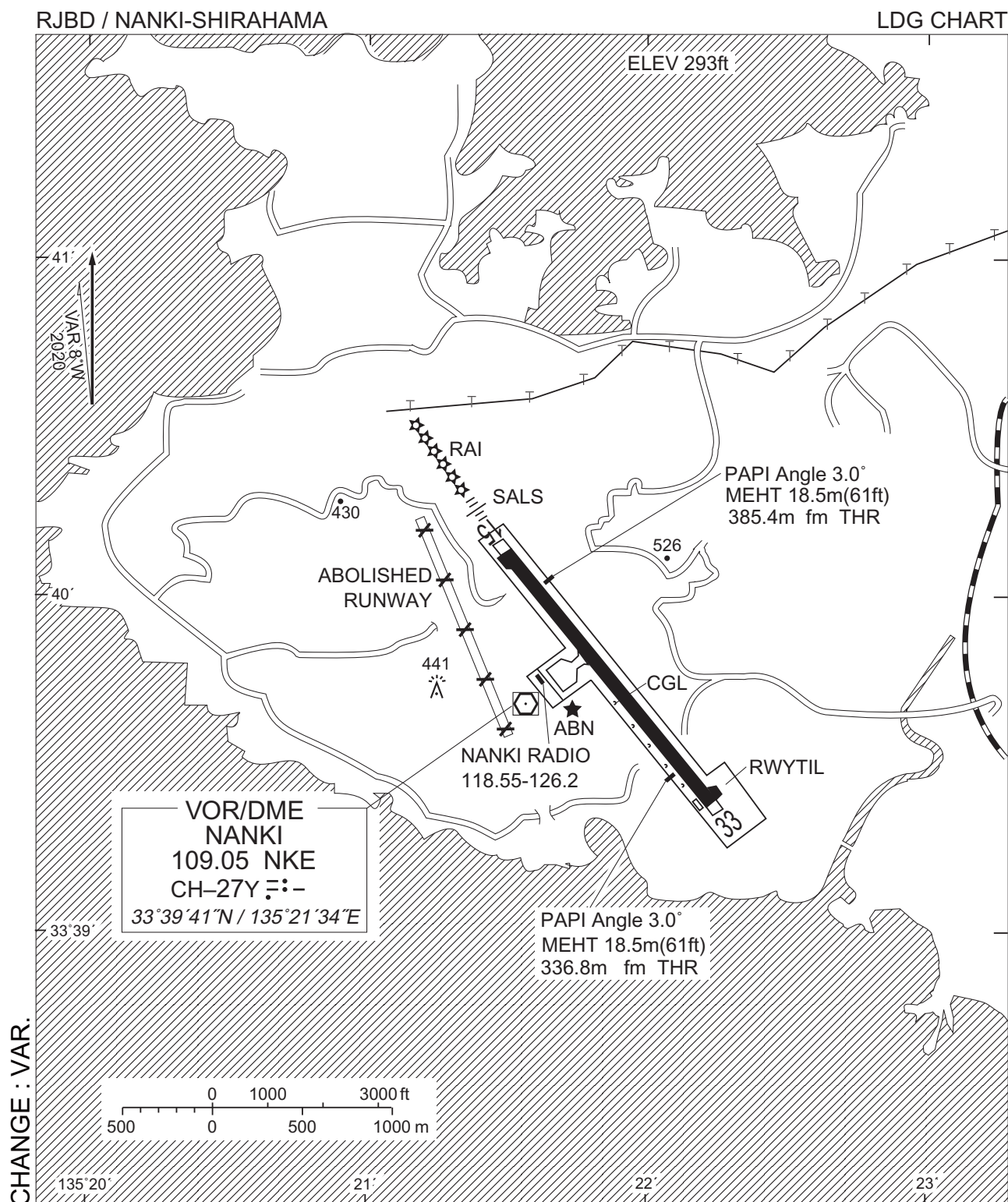
Visual REP



※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

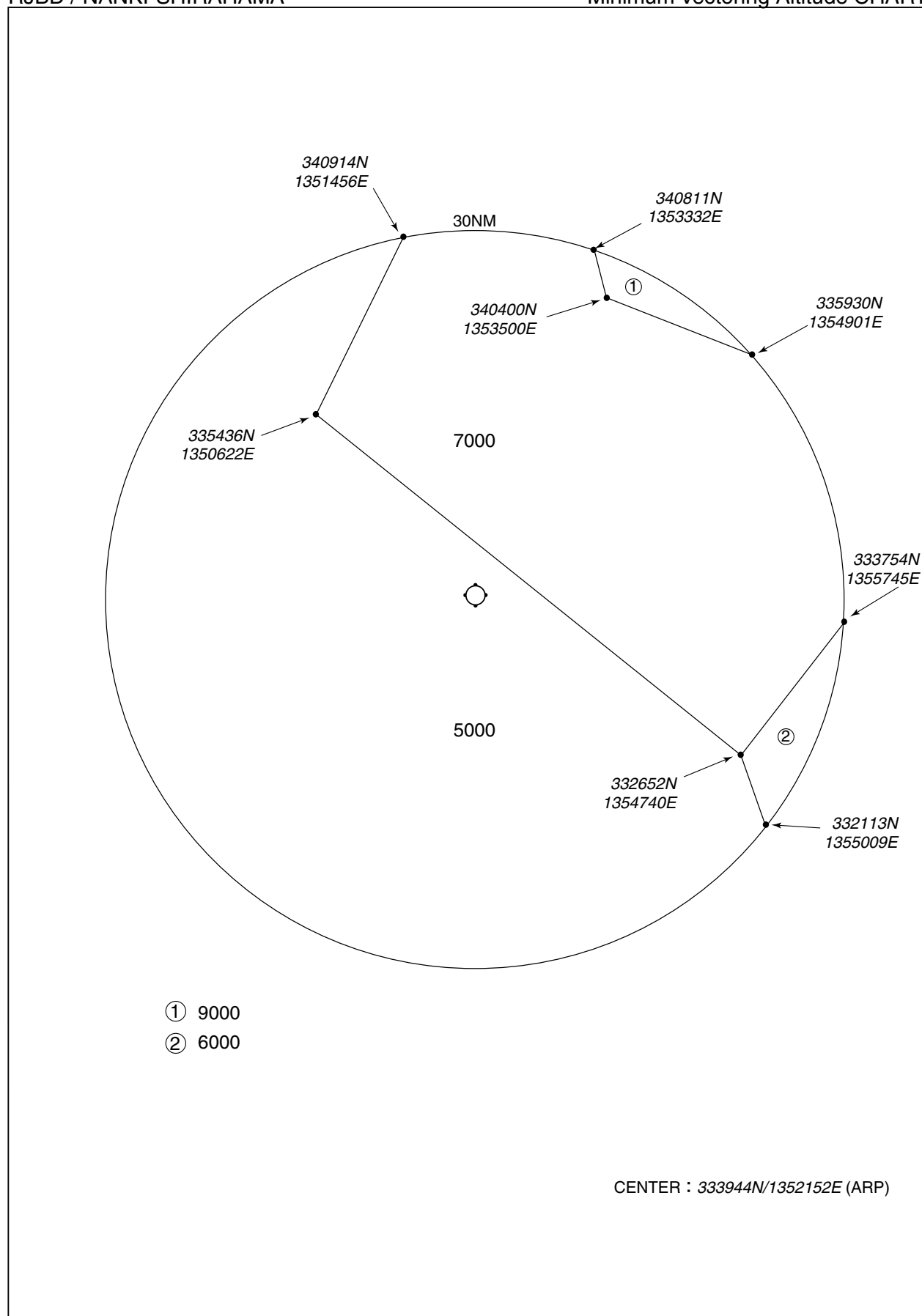


注：南紀白浜空港の西側に廃止された滑走路が(なお、禁止標識が5カ所設置されている)視認できる状態にあるので、南紀白浜空港に着陸する航空機は当該滑走路と誤認しないように注意すること。

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.

RJBD / NANKI-SHIRAHAMA

Minimum Vectoring Altitude CHART



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