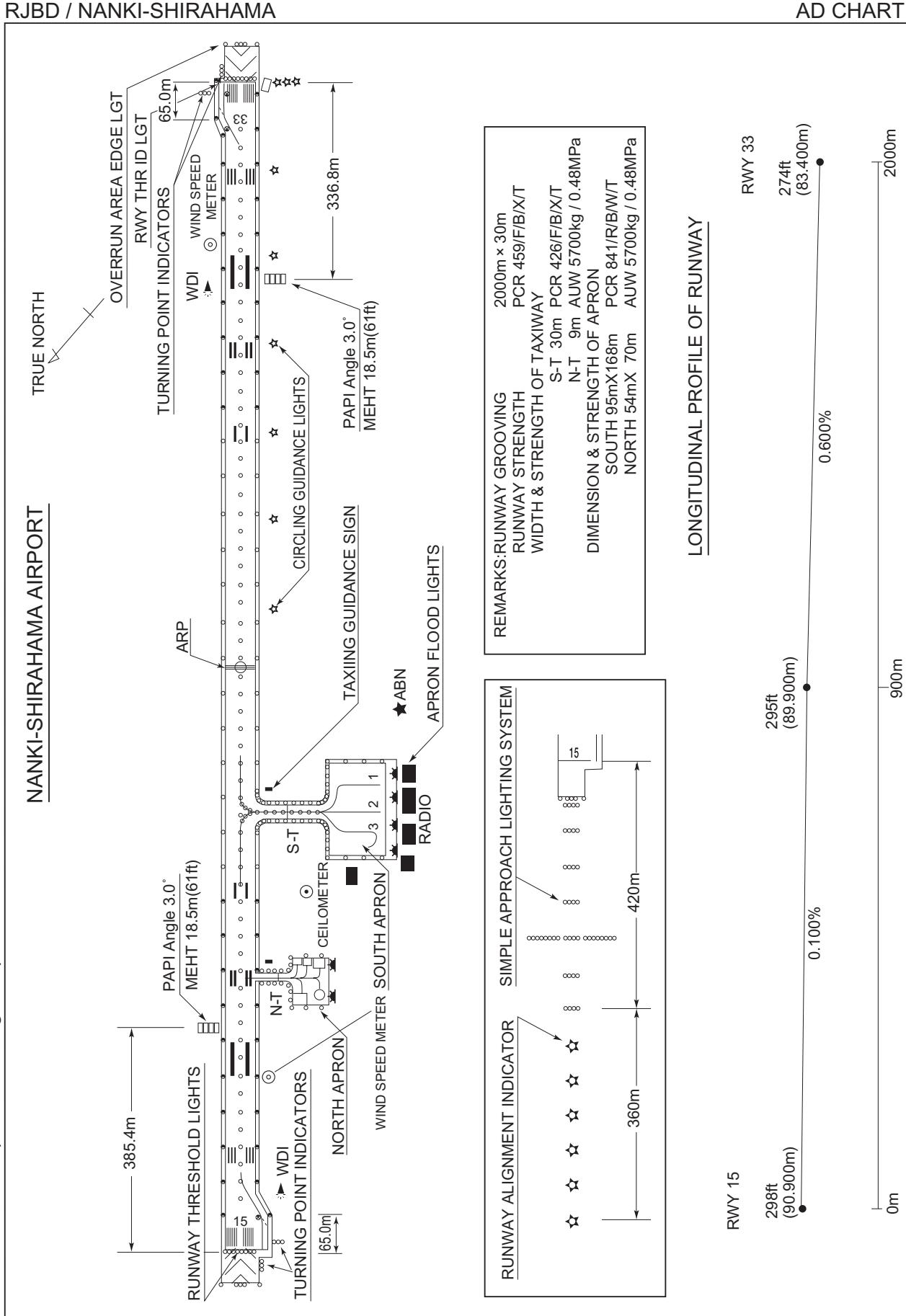


CHANGE : Description of strength of pavement.



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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,...

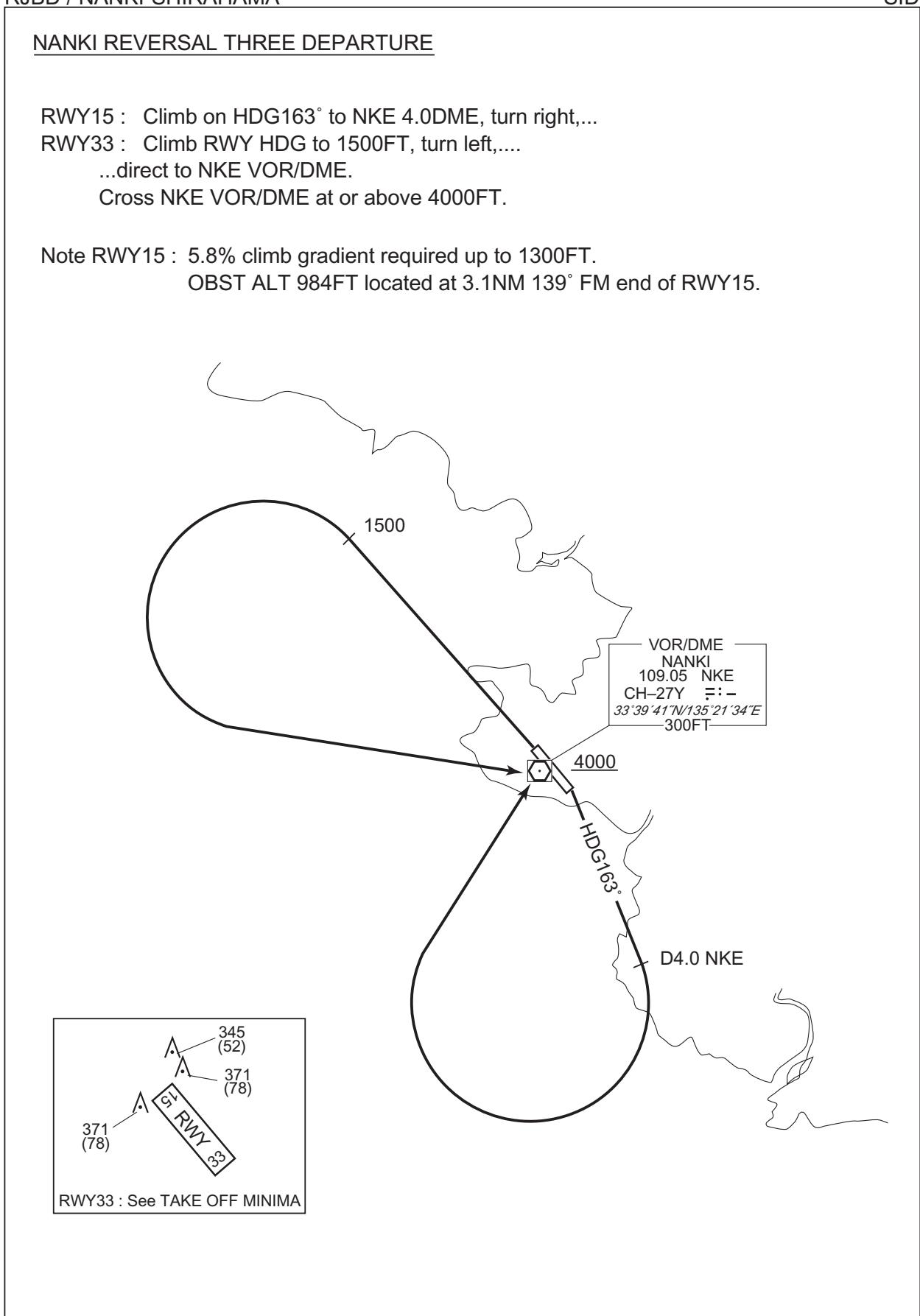
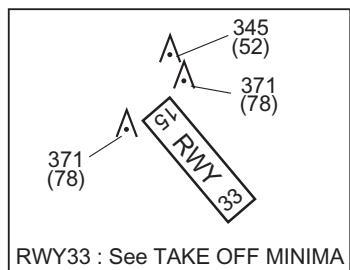
RWY33 : Climb RWY HDG to 1500FT, turn left,....
...direct to NKE VOR/DME.

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

RJBD / NANKI-SHIRAHAMA

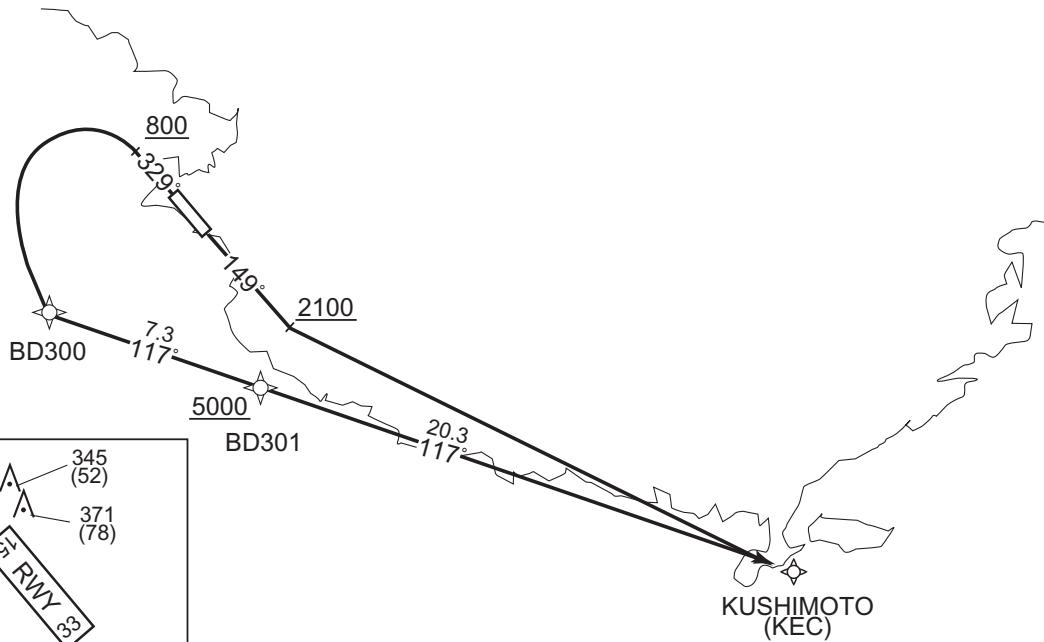
RNAV SID

KUSHIMOTO TWO DEPARTURE

RNP1

Note GNSS required.

VAR 8° W



RWY33 : See TAKE OFF MINIMA

RWY15 : Climb on HDG149° at or above 2100FT, turn left direct to KEC.

RWY33 : Climb on HDG329° 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 139° 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	—	—	149 (141.1)	-7.9	—	—	+2100	—	—	RNP1
002	DF	KEC	—	—	-7.9	—	L	—	—	—	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	—	—	329 (321.1)	-7.9	—	—	+800	—	—	RNP1
002	DF	BD300	—	—	-7.9	—	L	—	—	—	RNP1
003	TF	BD301	—	117 (108.7)	-7.9	7.3	—	+5000	—	—	RNP1
004	TF	KEC	—	117 (108.8)	-7.9	20.3	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
BD300	333545.0N / 1351624.4E
BD301	333324.8N / 1352441.1E
KEC	332651.9N / 1354740.2E

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA

RNAV STAR

RAYJO NORTH ARRIVAL / RAYJO SOUTH ARRIVAL

RNP1

Note GNSS required.

VAR 8° W

RAYJO NORTH ARRIVAL

ESBAK

7000

25.6°
276°

MUROH

7000

19.1°
249°

RAYJO

RAYJO SOUTH ARRIVAL

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

RAYJO NORTH ARRIVAL

From RAYJO, to ESBAK 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	-	-	-7.9	-	-	-	-	-	RNP1
002	TF	ESBAK	-	276 (268.6)	-7.9	25.6	-	+7000	-	-	RNP1

RAYJO SOUTH ARRIVAL

From RAYJO, to MUROH at or above 7000FT.

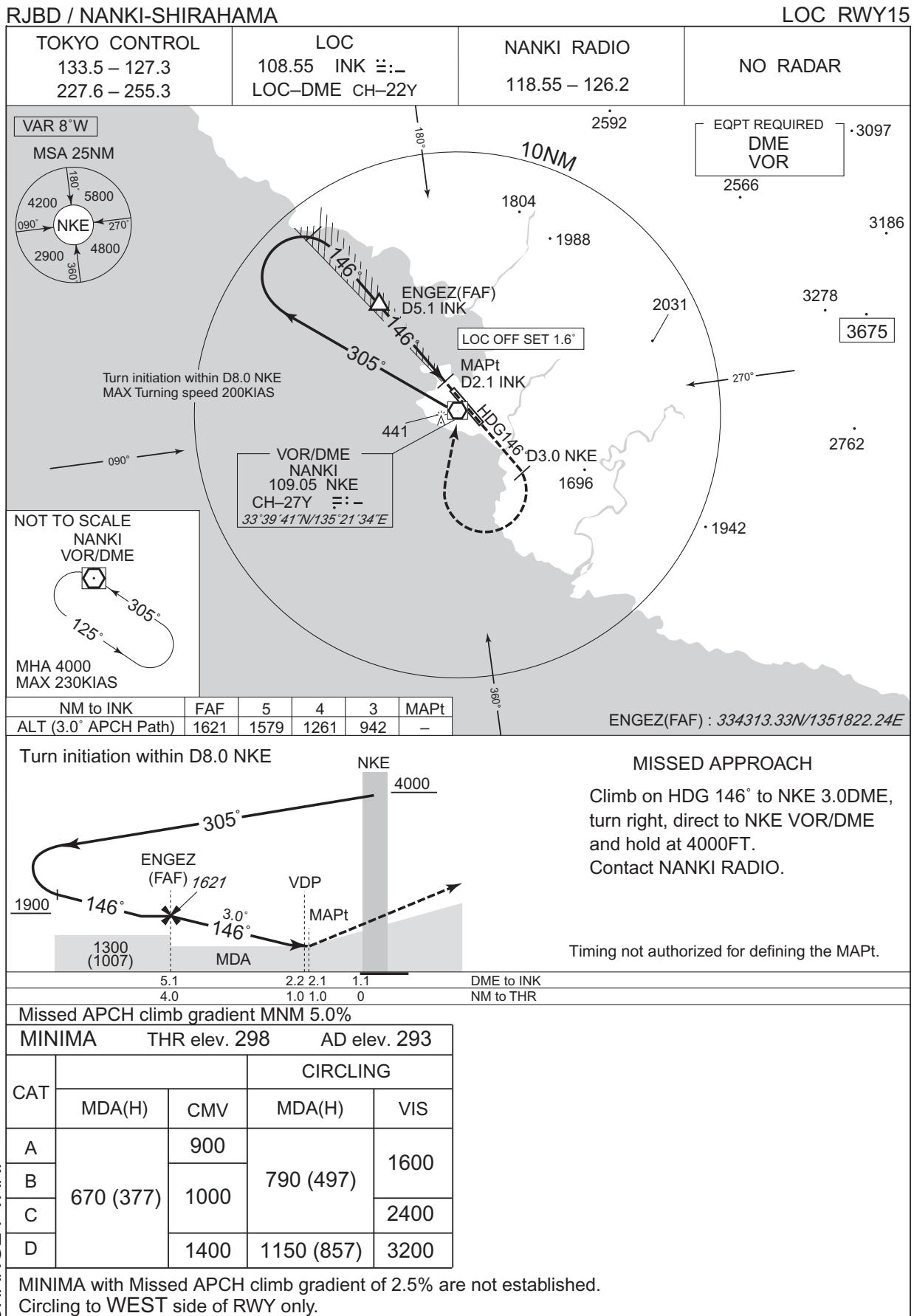
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAYJO	-	-	-7.9	-	-	-	-	-	RNP1
002	TF	MUROH	-	249 (241.5)	-7.9	19.1	-	+7000	-	-	RNP1

Waypoint Coordinates

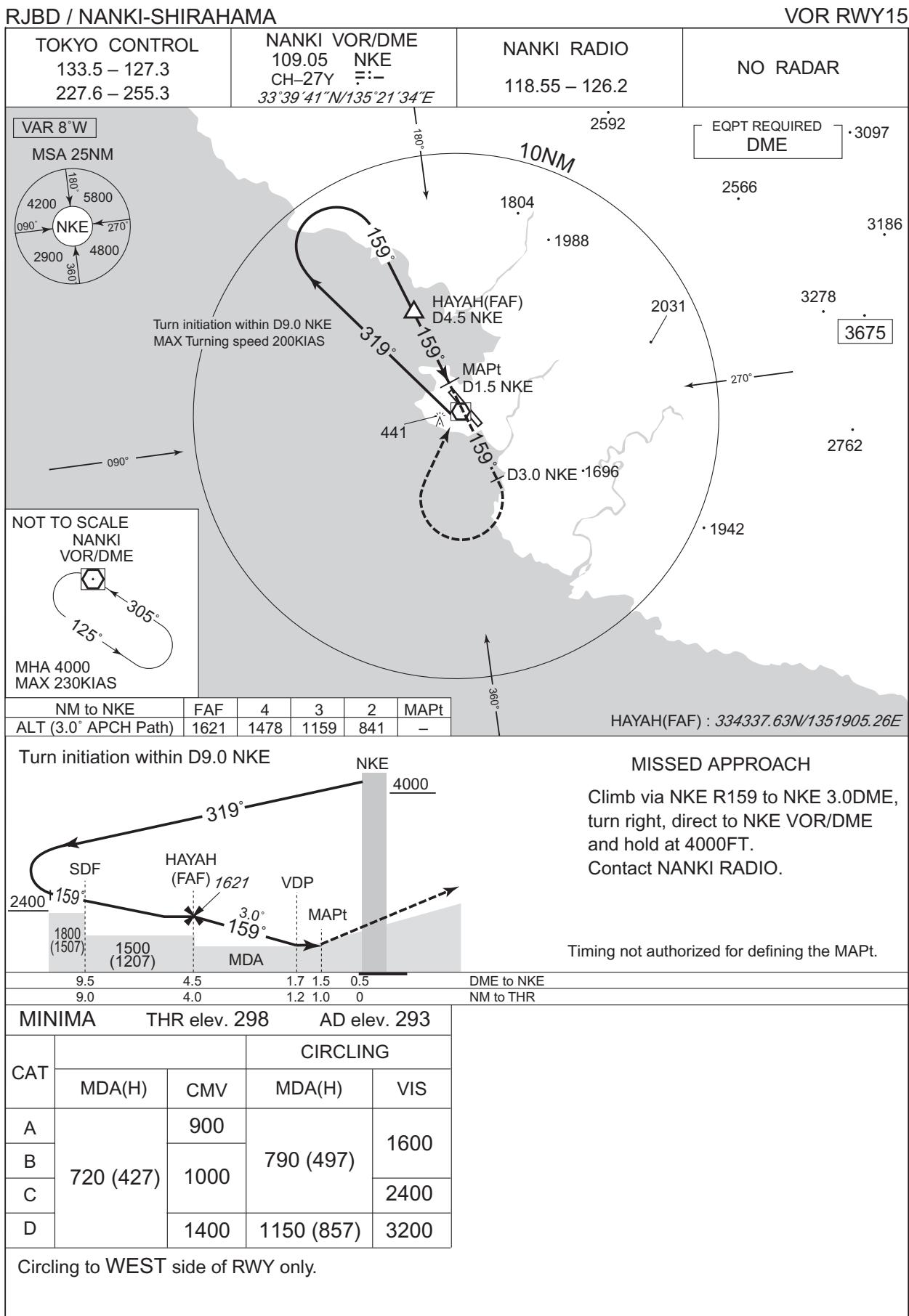
Waypoint Identifier	Coordinates
RAYJO	334948.0N / 1360846.6E
ESBAK	334906.0N / 1353758.6E
MUROH	334040.6N / 1354836.5E

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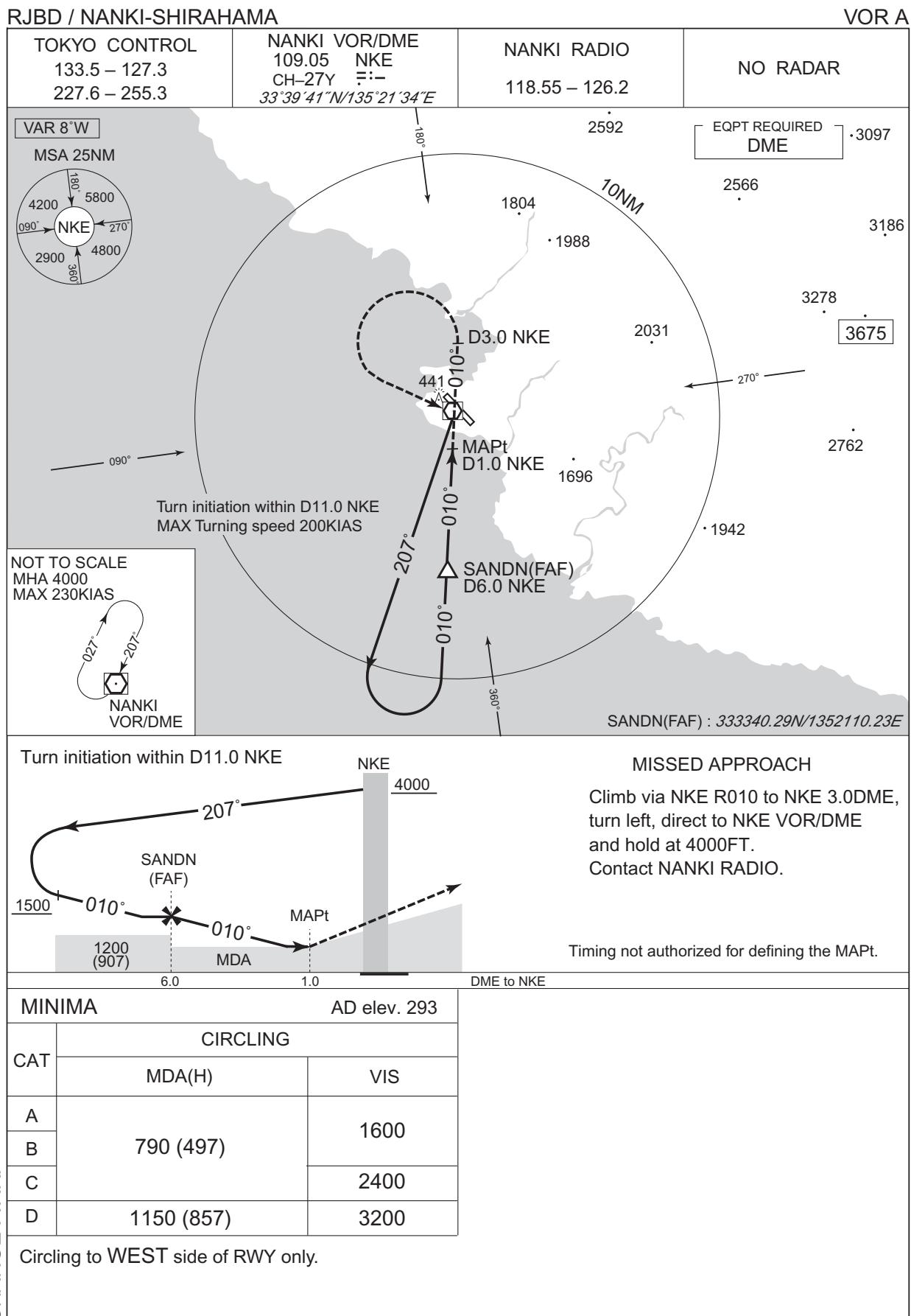
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



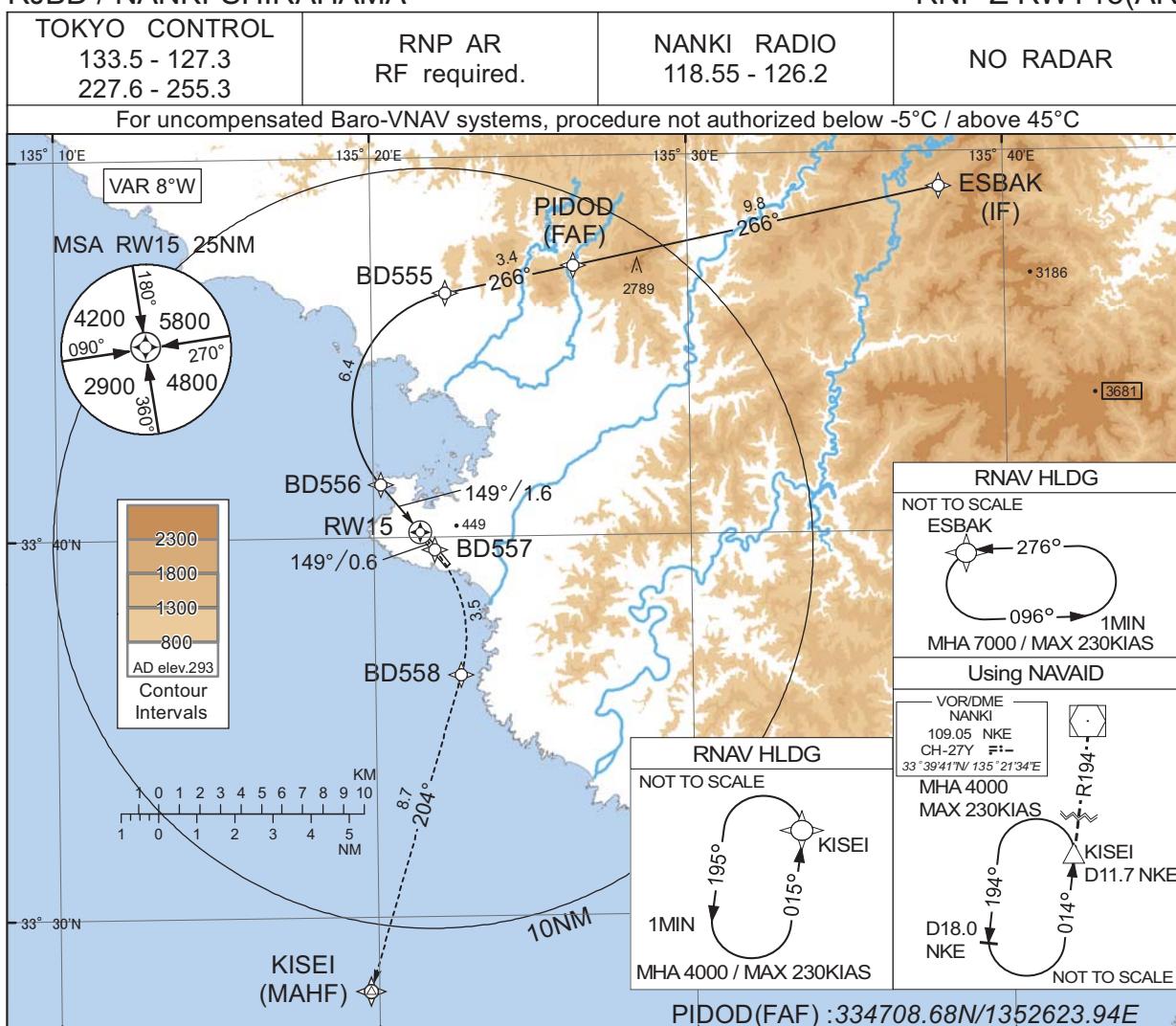
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJBD / NANKI-SHIRAHAMA

RNP Z RWY15(AR)



CHANGE : New PROC

MISSSED APPROACH																																		
Climb to 4000FT, to BD557, to BD558 via fixed radius turn, to KISEI and hold. Contact NANKI RADIO.																																		
Authorization Required																																		
MINIMA with Missed APCH climb gradient of 2.5% are not established.																																		
<table border="1"> <thead> <tr> <th>MINIMA</th> <th>THR elev. 298</th> <th>AD elev. 293</th> </tr> <tr> <th>CAT</th> <th colspan="2">RNP 0.10</th> <th colspan="2">RNP 0.30</th> </tr> <tr> <th></th> <th>DA(H)</th> <th>CMV</th> <th>DA(H)</th> <th>CMV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>644(346)</td> <td>1000</td> <td>698(400)</td> <td>1000</td> </tr> <tr> <td>D</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		MINIMA	THR elev. 298	AD elev. 293	CAT	RNP 0.10		RNP 0.30			DA(H)	CMV	DA(H)	CMV	A	-	-	-	-	B	-	-	-	-	C	644(346)	1000	698(400)	1000	D	-	-	-	-
MINIMA	THR elev. 298	AD elev. 293																																
CAT	RNP 0.10		RNP 0.30																															
	DA(H)	CMV	DA(H)	CMV																														
A	-	-	-	-																														
B	-	-	-	-																														
C	644(346)	1000	698(400)	1000																														
D	-	-	-	-																														

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

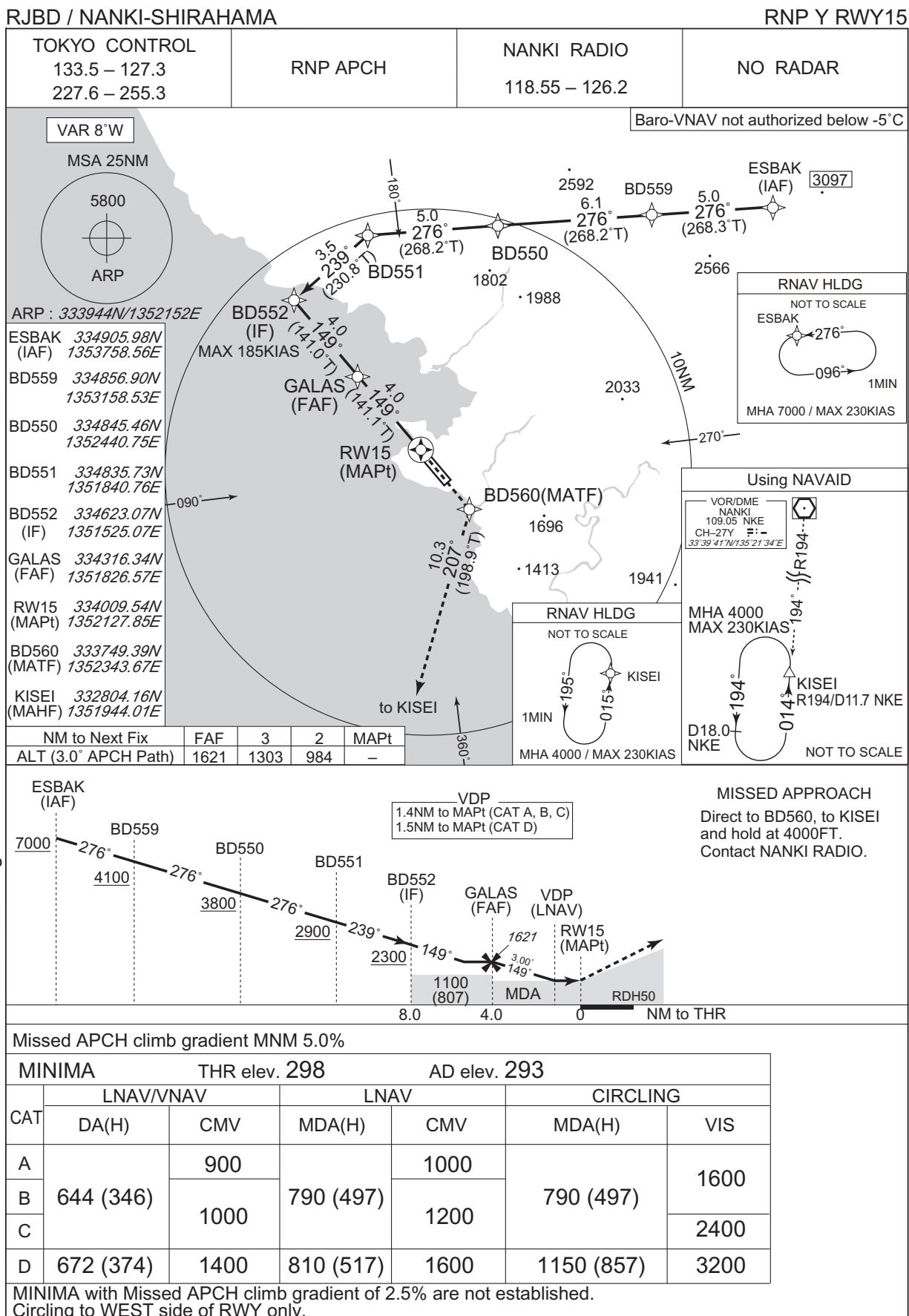
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	ESBAK	276 (268.6)	-7.9	1.0 (-14000)	L	7000	FL140	-230 (-14000)	1.0
Hold	KISEI	015 (007.5)	-7.9	1.0 (-14000)	L	4000	FL140	-230 (-14000)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

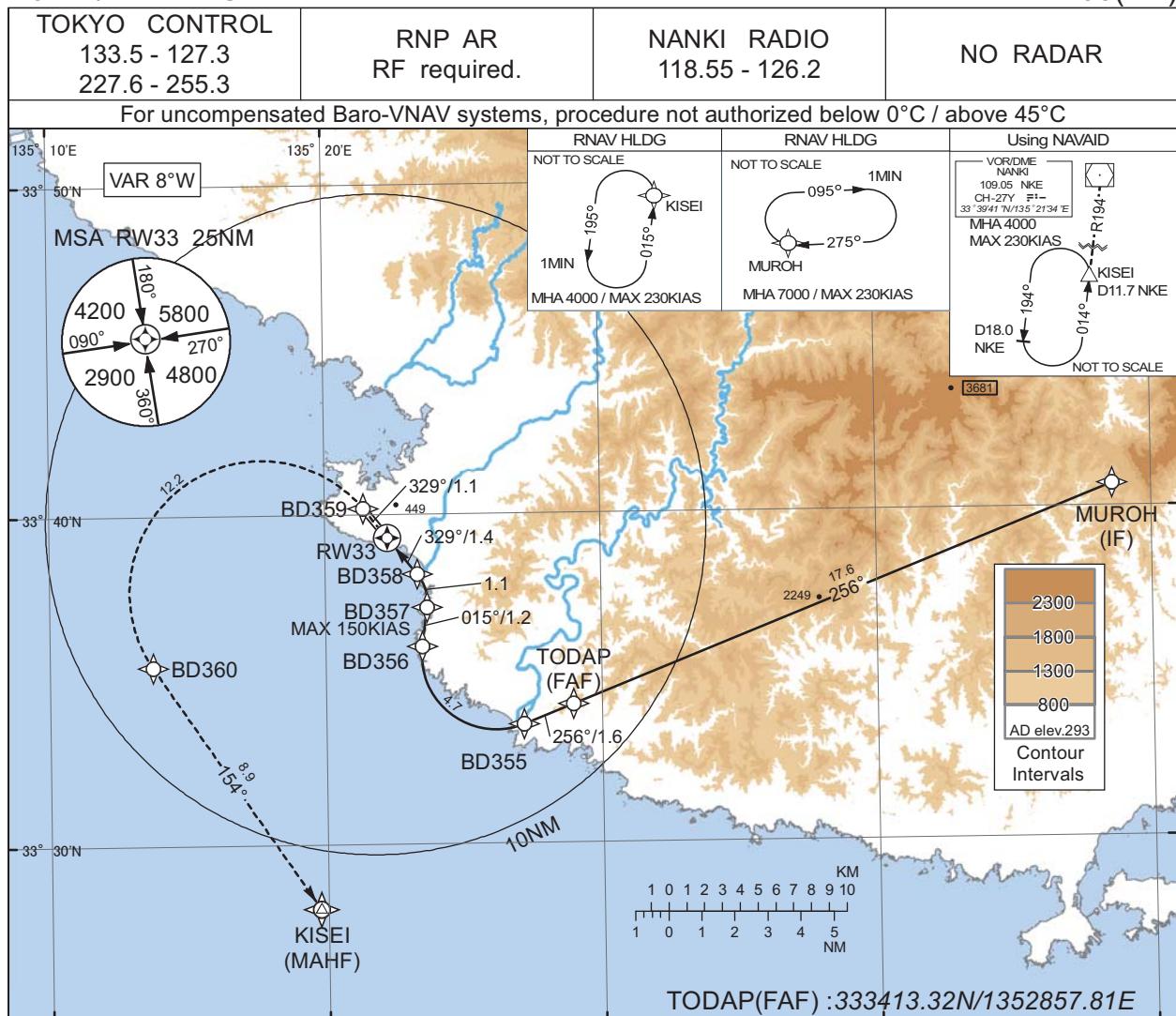
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

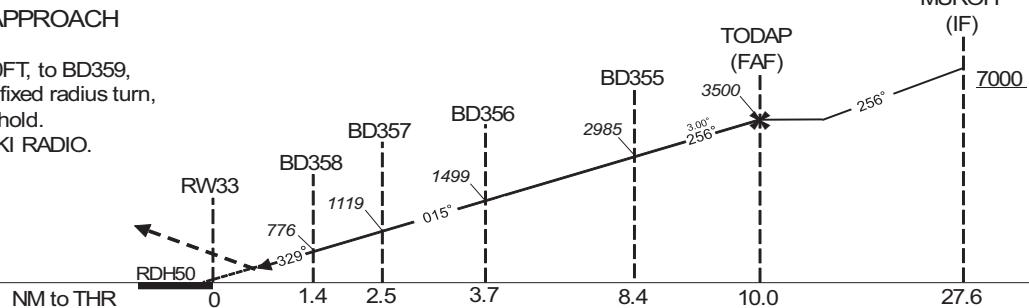
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RNP Z RWY33(AR)



MISSED APPROACH

Climb to 4000FT, to BD359, to BD360 via fixed radius turn, to KISEI and hold. Contact NANKI RADIO.



Missed APCH climb gradient MNM 5.0%

CAT	THR elev. 274		AD elev. 293	
	RNP 0.10	RNP 0.30	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

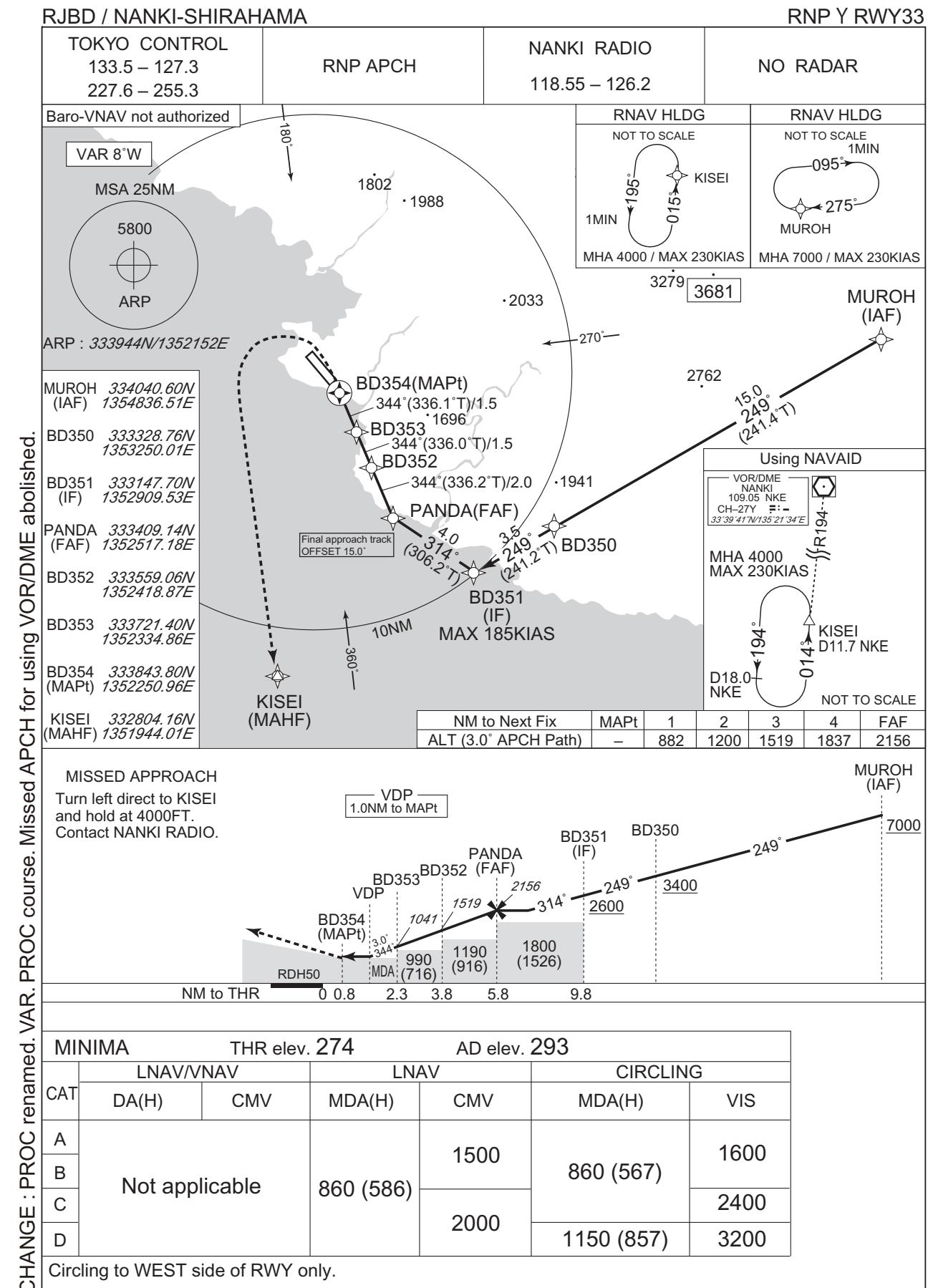
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	MUROH	275 (267.6)	-7.9	1.0 (-14000)	R	7000	FL140	-230 (-14000)	1.0
Hold	KISEI	015 (007.5)	-7.9	1.0 (-14000)	L	4000	FL140	-230 (-14000)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

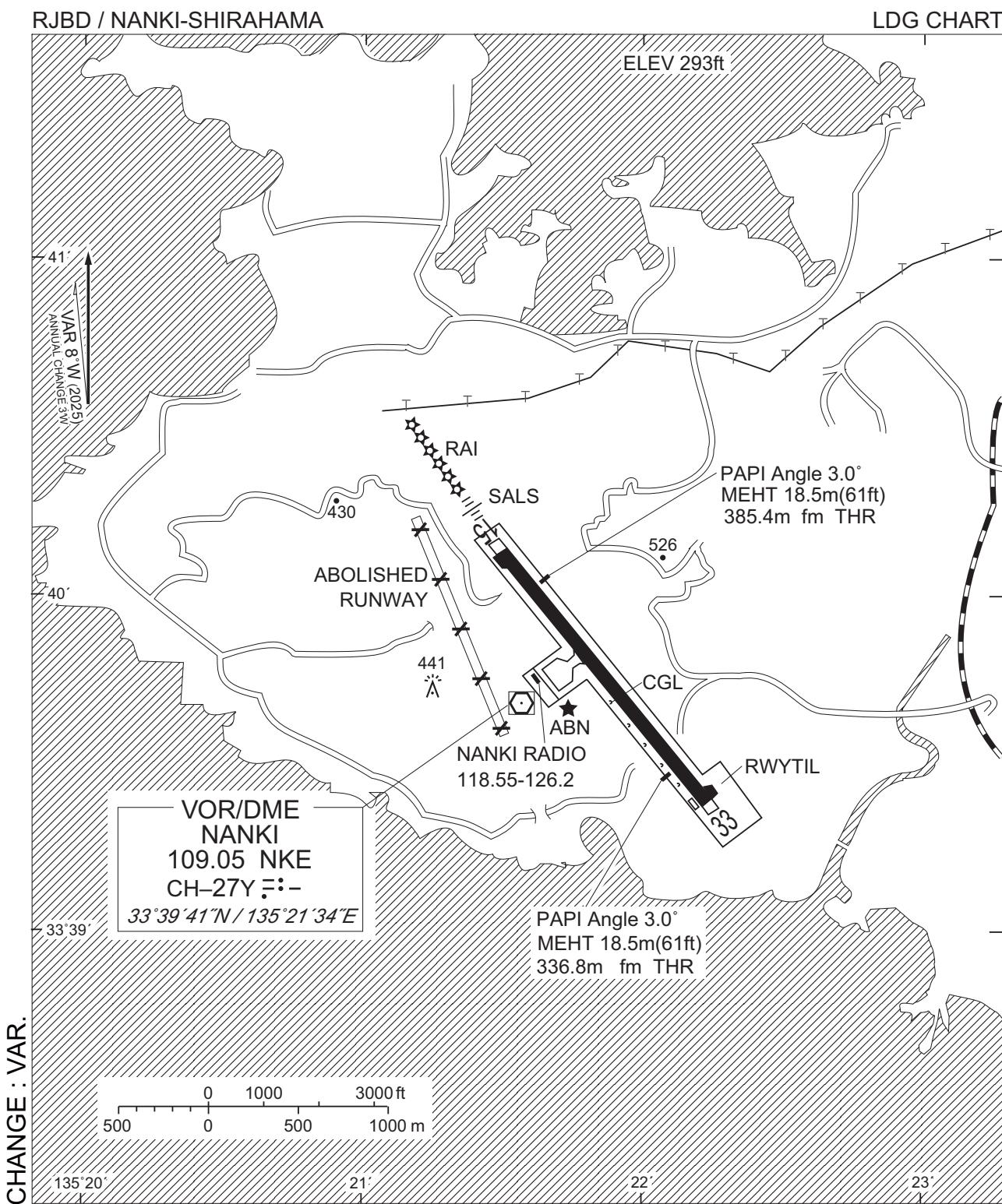
Visual REP



※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).

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

CHANGE : VAR.

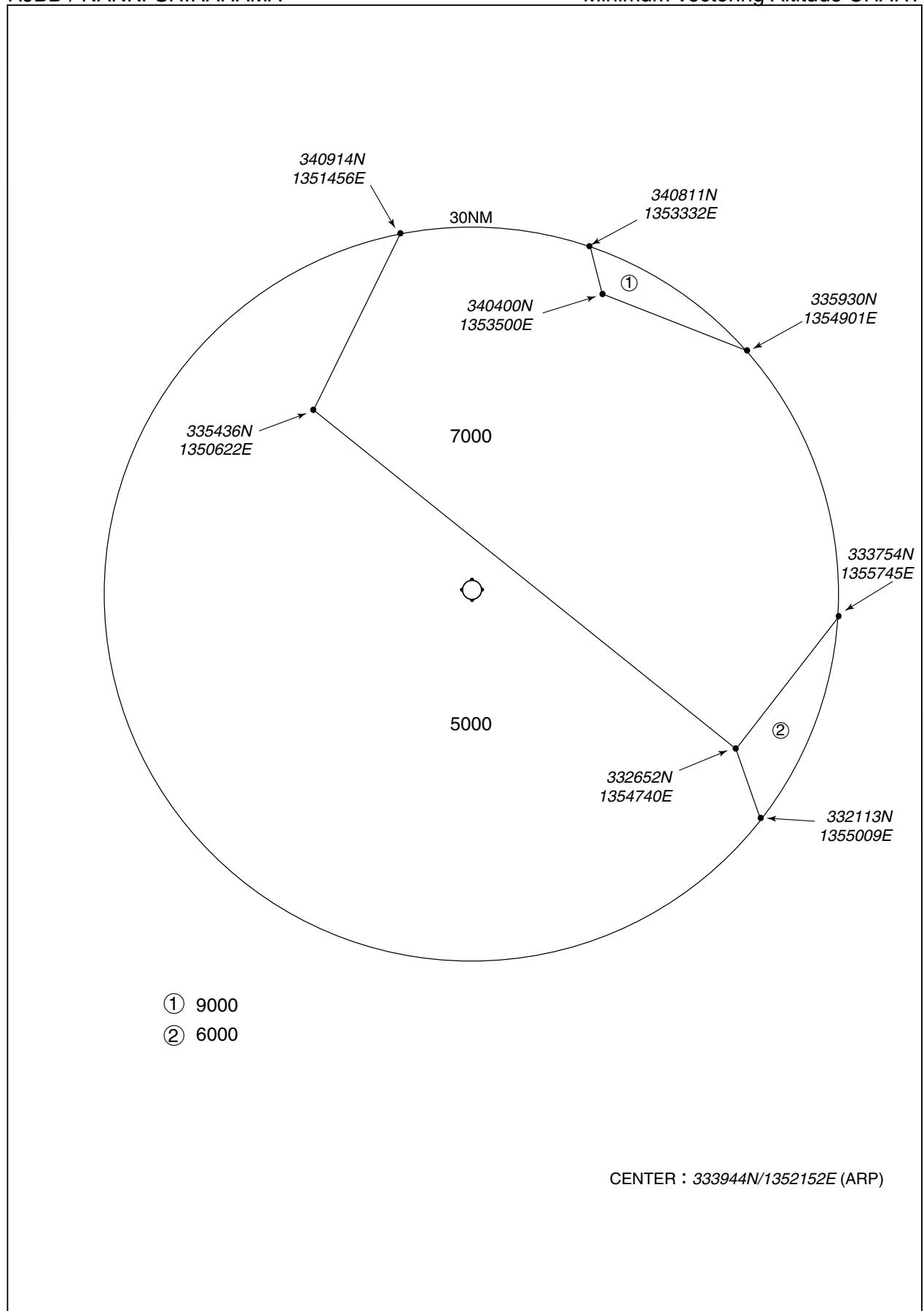


注:南紀白浜空港の西側に廃止された滑走路が(なお、禁止標識が5カ所設置されている)視認できる状態にあるので、南紀白浜空港に着陸する航空機は当該滑走路と誤認しないように注意すること。

NOTE : There is remained the abolished runway with 5 cross[X] 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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