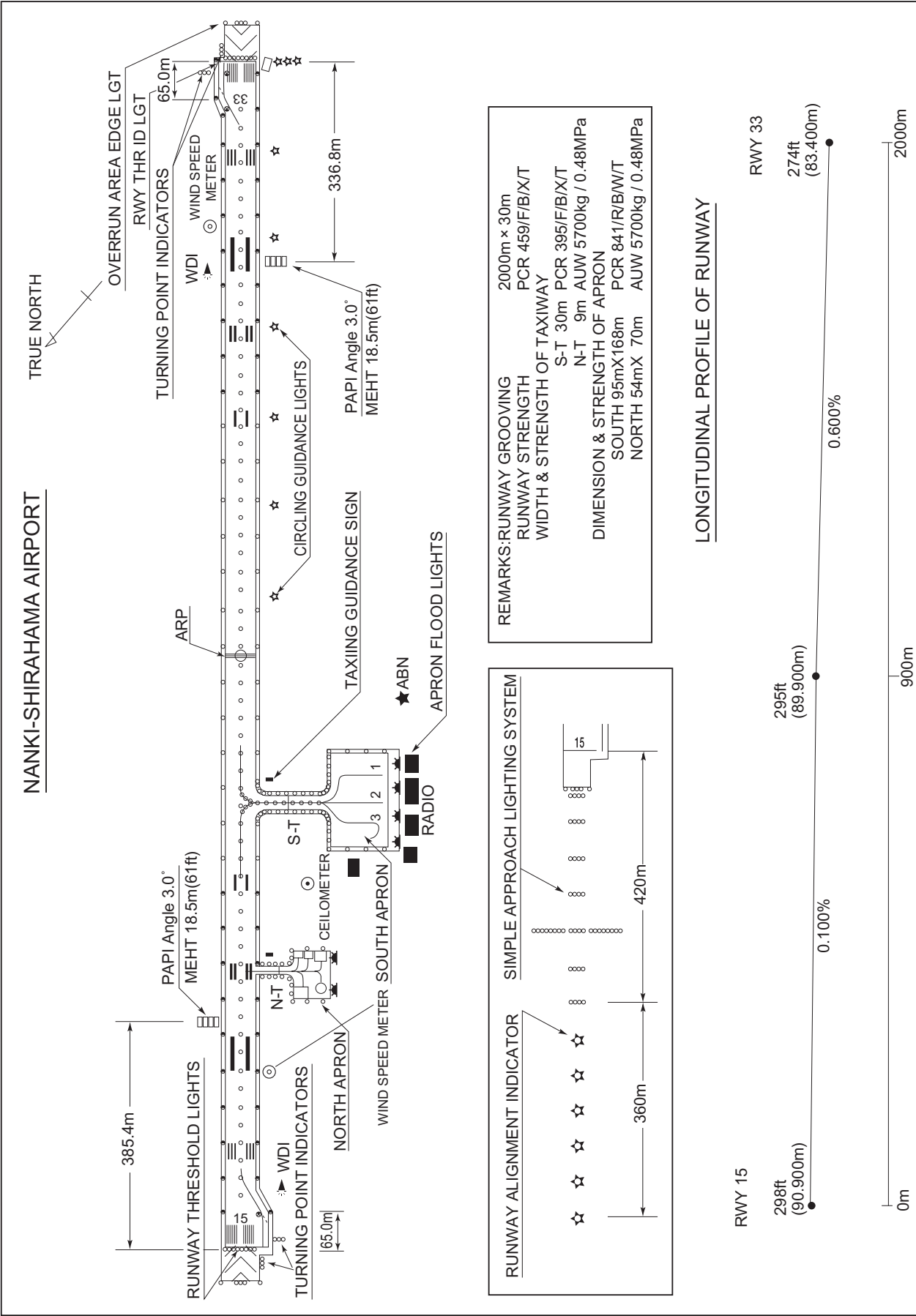


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AD CHART

CHANGE : Description of strength of pavement. Spot NR added.



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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.

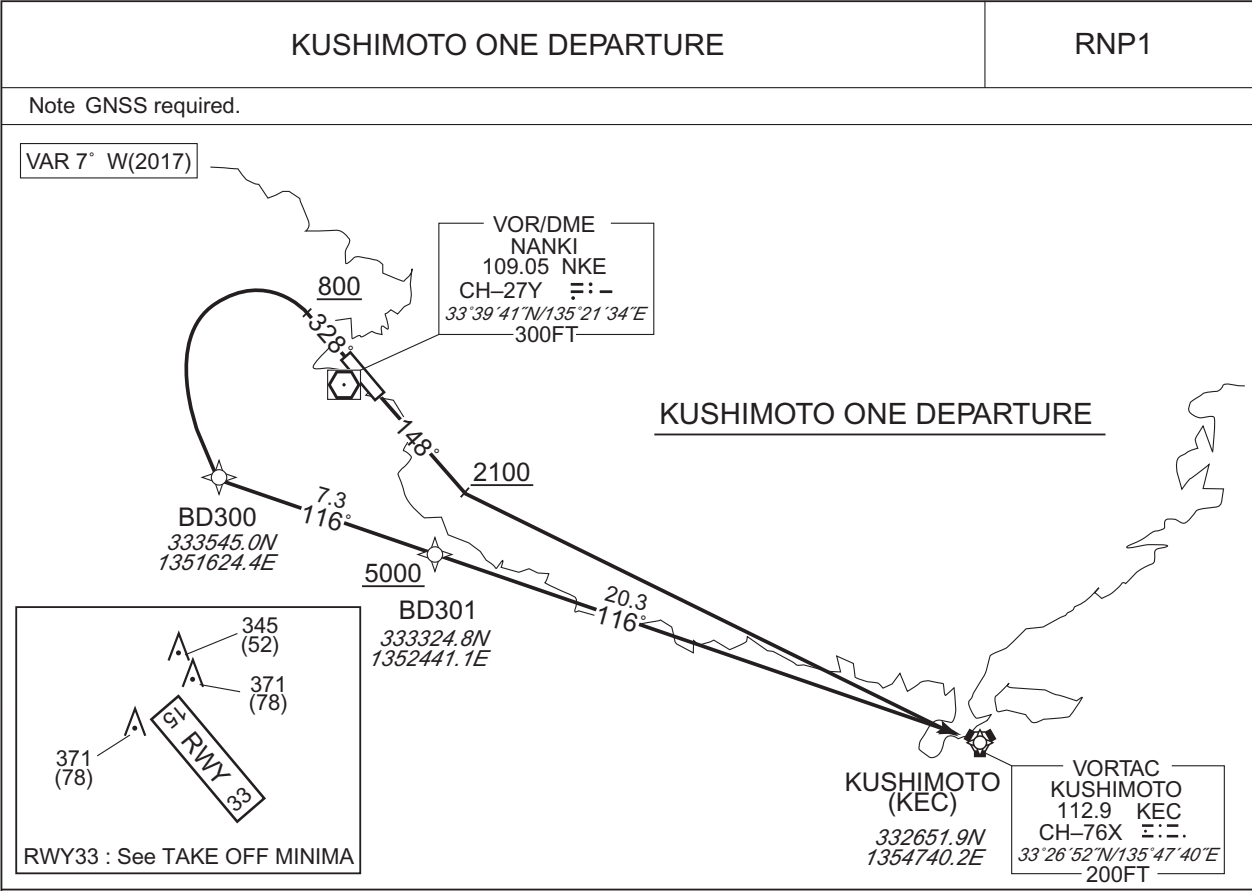
OBST ALT 984FT located at 3.1NM 139° FM end of RWY15.



STANDARD DEPARTURE CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA

RNAV SID

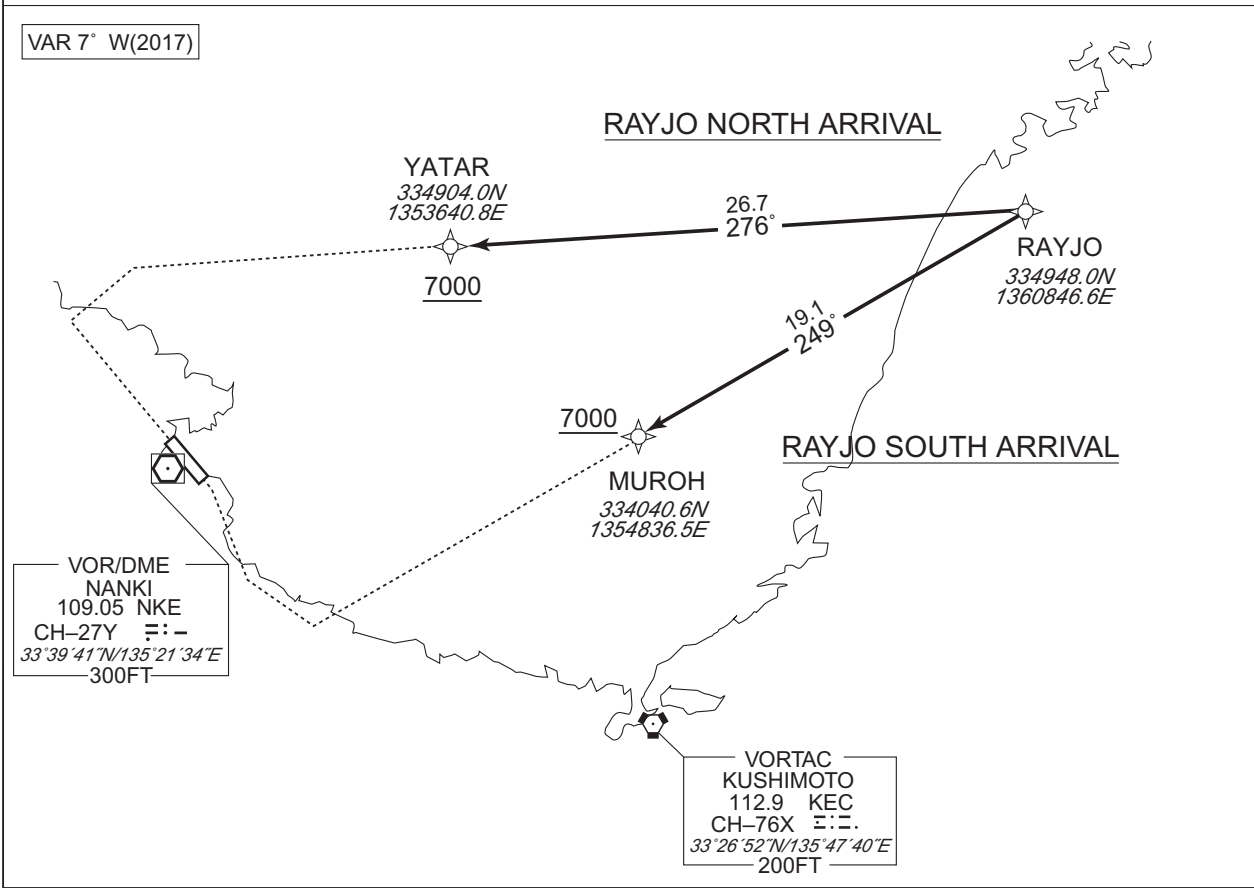


STANDARD ARRIVAL CHART - INSTRUMENT

RJBD / NANKI-SHIRAHAMA RNAV STAR

RAYJO NORTH ARRIVAL / RAYJO SOUTH ARRIVAL	RNP1
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Note GNSS required.



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

**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	—	—	—	—	—	RNP1
002	TF	YATAR	—	276 (268.6)	-7.3	26.7	—	+7000	—	—	RNP1

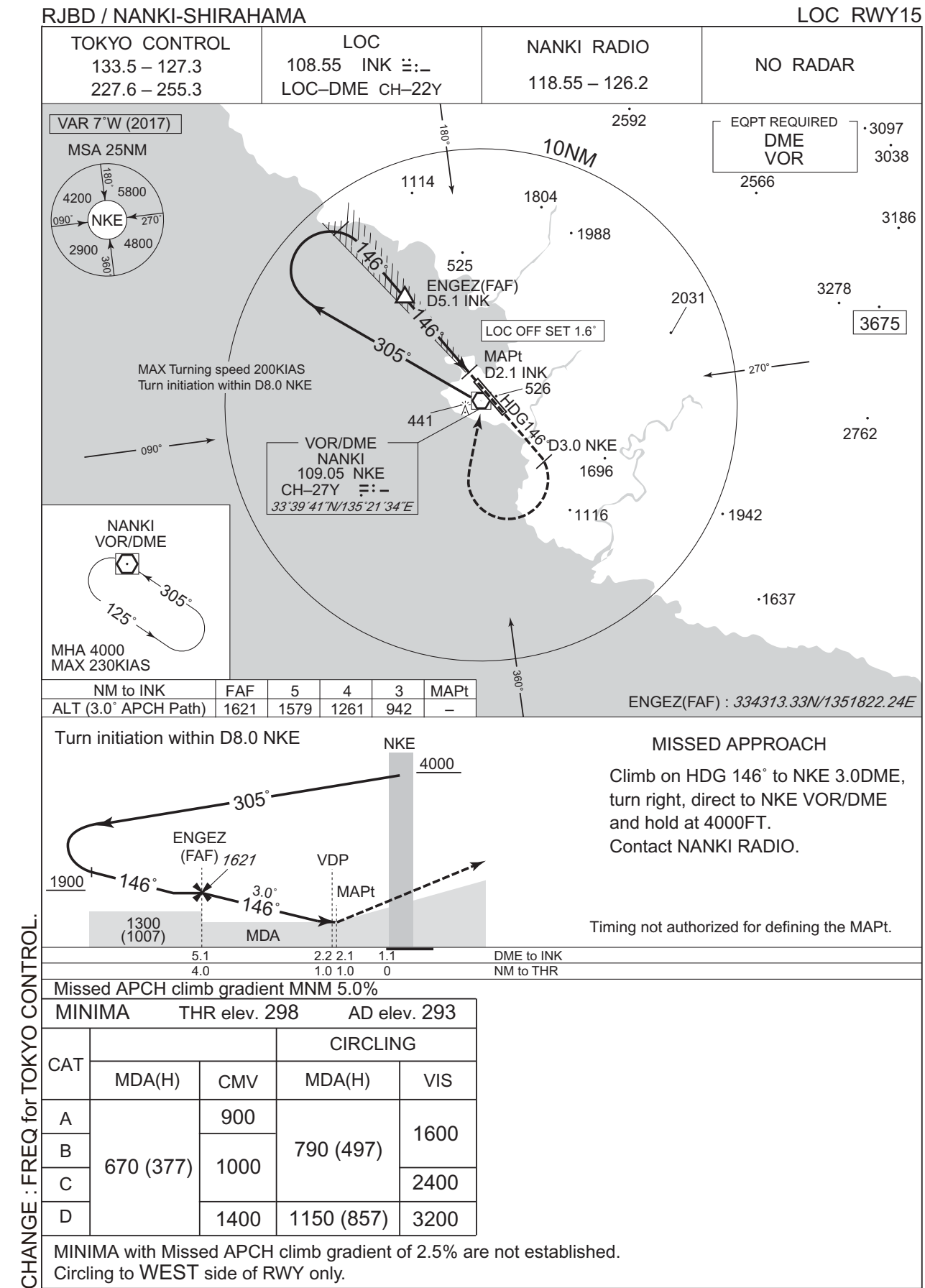
**RAYJO SOUTH ARRIVAL**

From RAYJO, to MUROH at or above 7000FT.

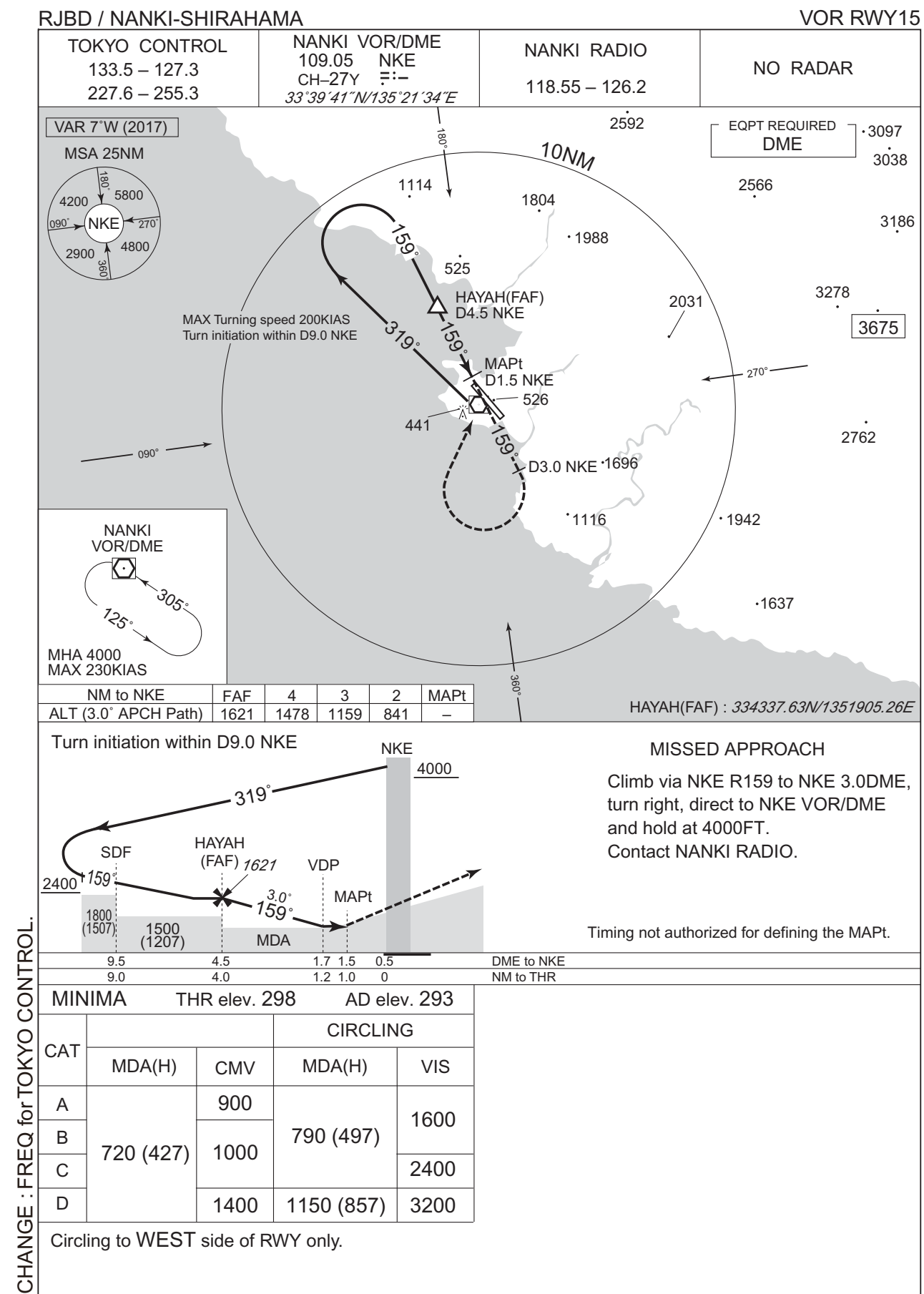
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAYJO	—	—	-7.3	—	—	—	—	—	RNP1
002	TF	MUROH	—	249 (241.5)	-7.3	19.1	—	+7000	—	—	RNP1

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INSTRUMENT APPROACH CHART

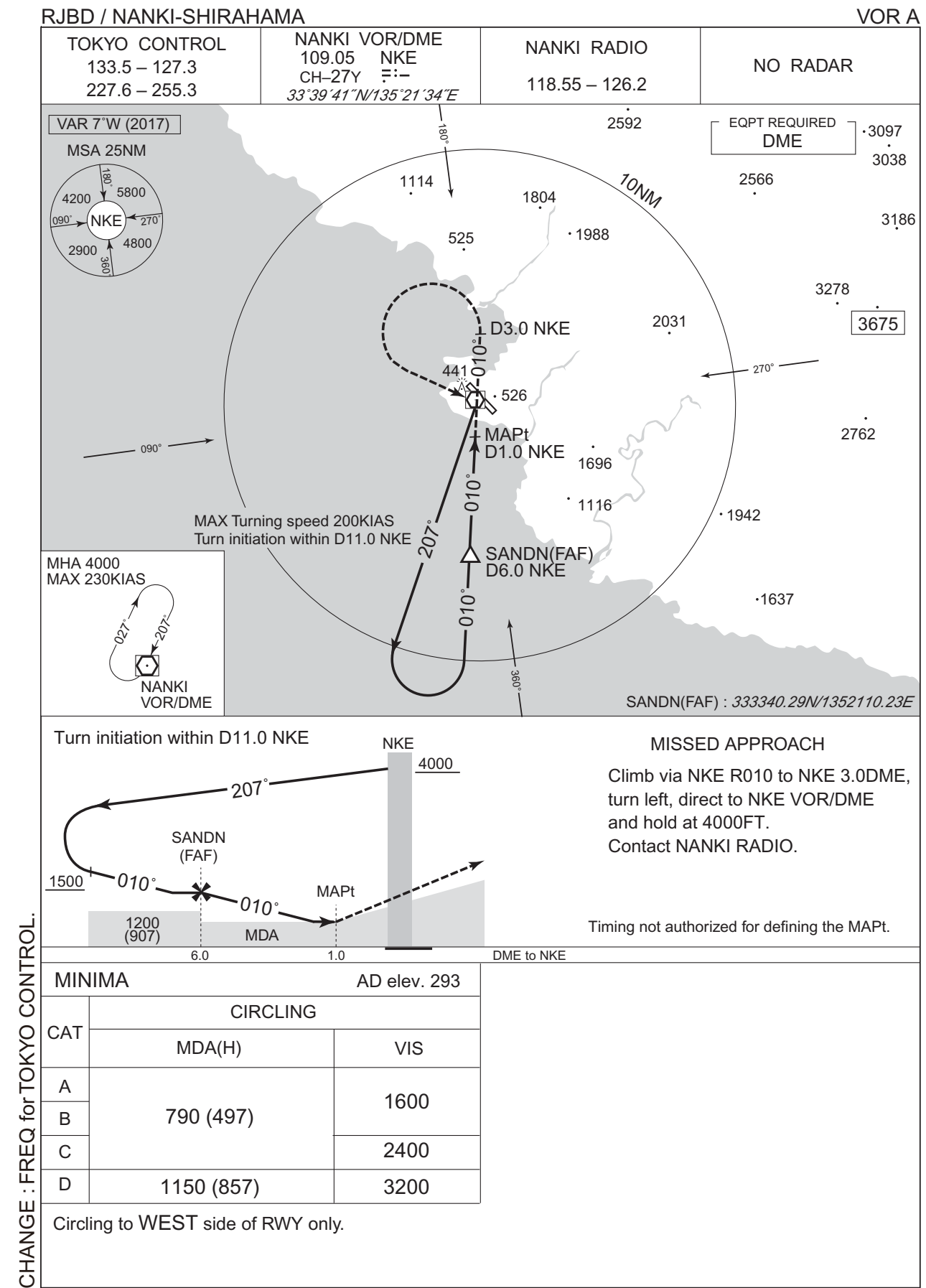


INSTRUMENT APPROACH CHART





INSTRUMENT APPROACH CHART



## RJBD / NANKI-SHIRAHAMA

**TOKYO CONTROL**  
133.5 – 127.3  
227.6 – 255.3

**RNP APCH**

**NANKI RADIO**  
118.55 – 126.2

**NO RADAR**

VAR 7° (2017)

Baro-VNAV not authorized below -5°C

**MSA 25NM**  
5800  
ARP

ARP : 333944N/1352152E

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

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

**RNAV HLDG**  
NOT TO SCALE  
YATAR → 241°  
061° 1MIN  
MHA 7000 / MAX 230KIAS

Using NAV AID  
NANKI VOR/DME  
MHA 4000 MAX 230KIAS  
D18.0 NKE  
NOT TO SCALE

**RNAV HLDG**  
NOT TO SCALE  
KISEI  
1MIN  
MHA 4000 / MAX 230KIAS

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

YATAR (IAF)  
7000  
276°  
BD550  
3800  
275°  
BD551  
2900  
238°  
BD552 (IF)  
2300  
148°  
GALAS (FAF)  
1621  
3.00°  
BD553 (MAPt)  
1100 (807)  
MDA  
RDH50  
8.0 4.0 1.0 0 NM to THR

VDP  
0.0NM to MAPt (CAT A, B, C)  
0.1NM to MAPt (CAT D)

NKE

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.

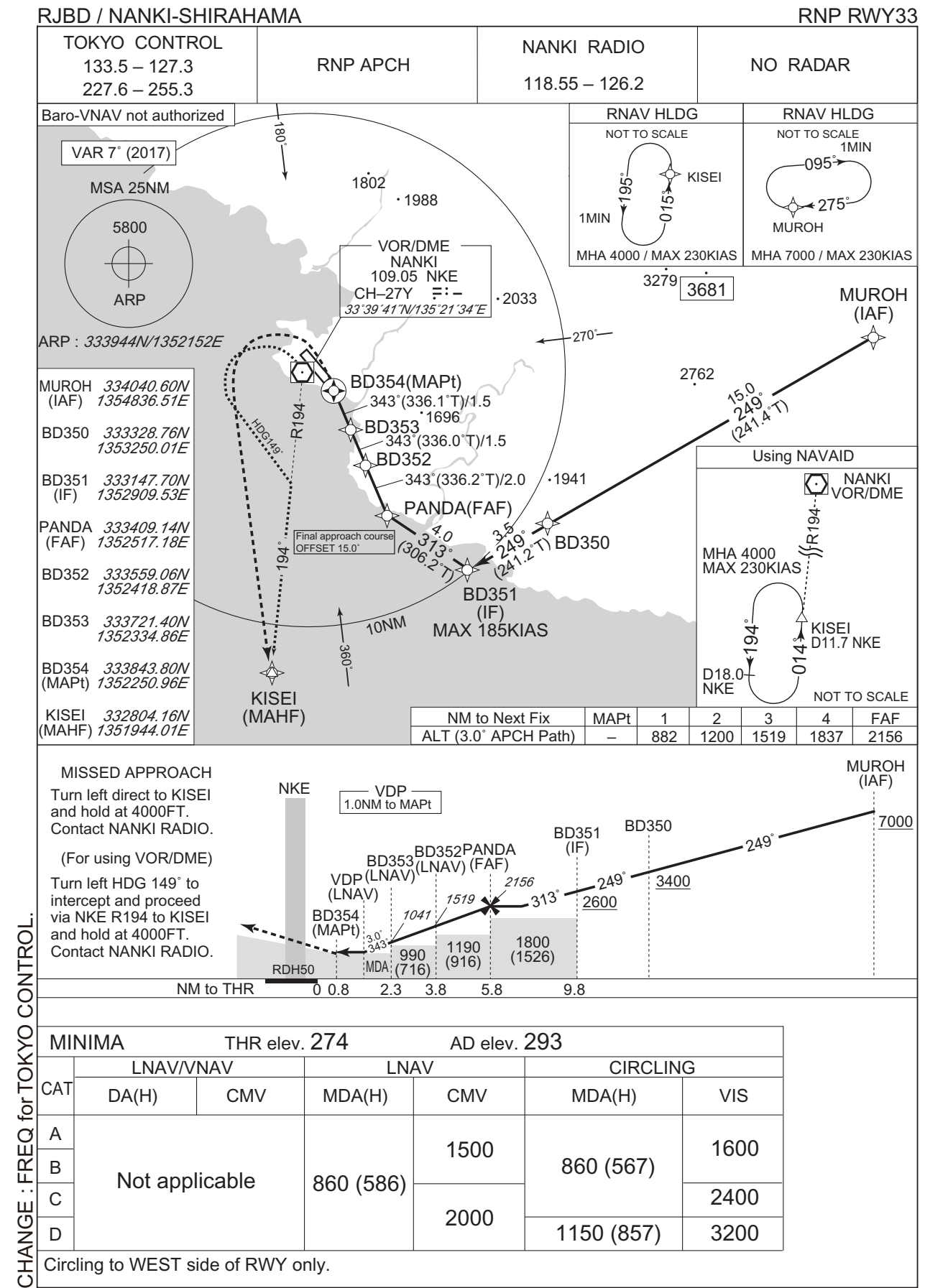
Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 298		AD elev. 293	
CAT	LNNAV/VNAV	LNNAV	CIRCLING	DA(H)	VIS
A		900			1600
B	700 (402)	1000	660 (367)	790 (497)	
C					2400
D	720 (422)	1400	690 (397)	1150 (857)	3200

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

CHANGE : FREQ for TOKYO CONTROL.

INSTRUMENT APPROACH CHART



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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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