

## AD CHART

## TOKUNOSHIMA AP

TRUE NORTH

417m

480m

420m

397m

OVERRUN AREA EDGE LGT

RWY THR ID LGT

APRON FLOOD LGT

T-1

T-2

T-3

P-1

P-2

WDI

PAPI Angle 3.0°

MEHT 18.5m (61ft)

PAPI Angle 3.0°

MEHT 18.5m (61ft)

SALS

RAI

★ ABN

### LONGITUDINAL PROFILE OF RWY

RWY 01

17ft (5.05m)

-0.7%

8ft (2.32m)

390m

LEVEL

9ft (2.87m)

1290m

LEVEL

9ft (2.87m)

0.22%

1040m

1790m

2000m

RWY 19

14ft (4.33m)

0.1%

REMARKS : RWY GROOVING		30mX2000m
WIDTH AND STRENGTH OF TWY		
T-1	23m	PCN 52 / F / C / X / T
T-2	23m	PCN 52 / F / C / X / T
T-3	18m	PCN 12 / F / C / Y / T
STRENGTH OF APRON		PCN 52 / R / B / X / T
		(PCN 12 / F / C / Y / T
		For Light ACFT APRON)

STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

SID and TRANSITION

TOKUNOSHIMA FOUR DEPARTURE

RWY01 : Climb via TKE R358 to 5.0DME, turn left,...

RWY19 : Climb RWY HDG to 700FT, turn right,...

...direct to TKE VOR/DME.

Cross TKE VOR/DME at or above 3000FT.

Note RWY01 : 4.9% climb gradient required up to 1600FT.

OBST ALT 427FT located at 1.4NM 028° FM end of RWY01.

Note RWY19 : No turn before DER.

KUNIG TRANSITION

From over TKE VOR/DME, via TKE R207 to KUNIG or ONC VORTAC.

Cross KUNIG or ONC VORTAC at assigned altitude.

MEKAX TRANSITION

From over TKE VOR/DME, via TKE R023 to 15.0DME, via ONC R026 to MEKAX.

Cross MEKAX at or above 11000FT.

KASARI TRANSITION

From over TKE VOR/DME, via TKE R096 to PINNE, via AME R228 to YUWAN  
or AME VOR/DME.

Cross PINNE at or above 6000FT, cross YUWAN or AME VOR/DME at assigned altitude.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

SID and TRANSITION



STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID

ANOXA ONE DEPARTURE

## RWY01

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	—	—	010 (005.1)	-5.2	—	—	+800	—	—	Basic RNP1
002	DF	KOKTO	—	—	-5.2	—	L	—	—	—	Basic RNP1
003	TF	SATOH	—	015 (010.1)	-5.2	40.6	—	—	—	—	Basic RNP1
004	TF	ANOXA	—	056 (050.8)	-5.2	28.5	—	+12000	—	—	Basic RNP1

## RWY19

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	—	—	190 (185.1)	-5.2	—	—	+500	—	—	Basic RNP1
002	DF	KN901	—	—	-5.2	—	R	—	—	—	Basic RNP1
003	TF	KOKTO	—	015 (010.1)	-5.2	7.2	—	—	—	—	Basic RNP1
004	TF	SATOH	—	015 (010.1)	-5.2	40.6	—	—	—	—	Basic RNP1
005	TF	ANOXA	—	056 (050.8)	-5.2	28.5	—	+12000	—	—	Basic RNP1

STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID



## STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID

YUWAN ONE DEPARTURE

## RWY01

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	—	—	010 (005.1)	-5.2	—	—	+800	—	—	Basic RNP1
002	DF	KN101	—	—	-5.2	—	—	—	—	—	Basic RNP1
003	TF	KINEN	—	060 (054.9)	-5.2	14.2	—	—	—	—	Basic RNP1
004	TF	YUWAN	—	072 (067.1)	-5.2	20.1	—	+4000	—	—	Basic RNP1

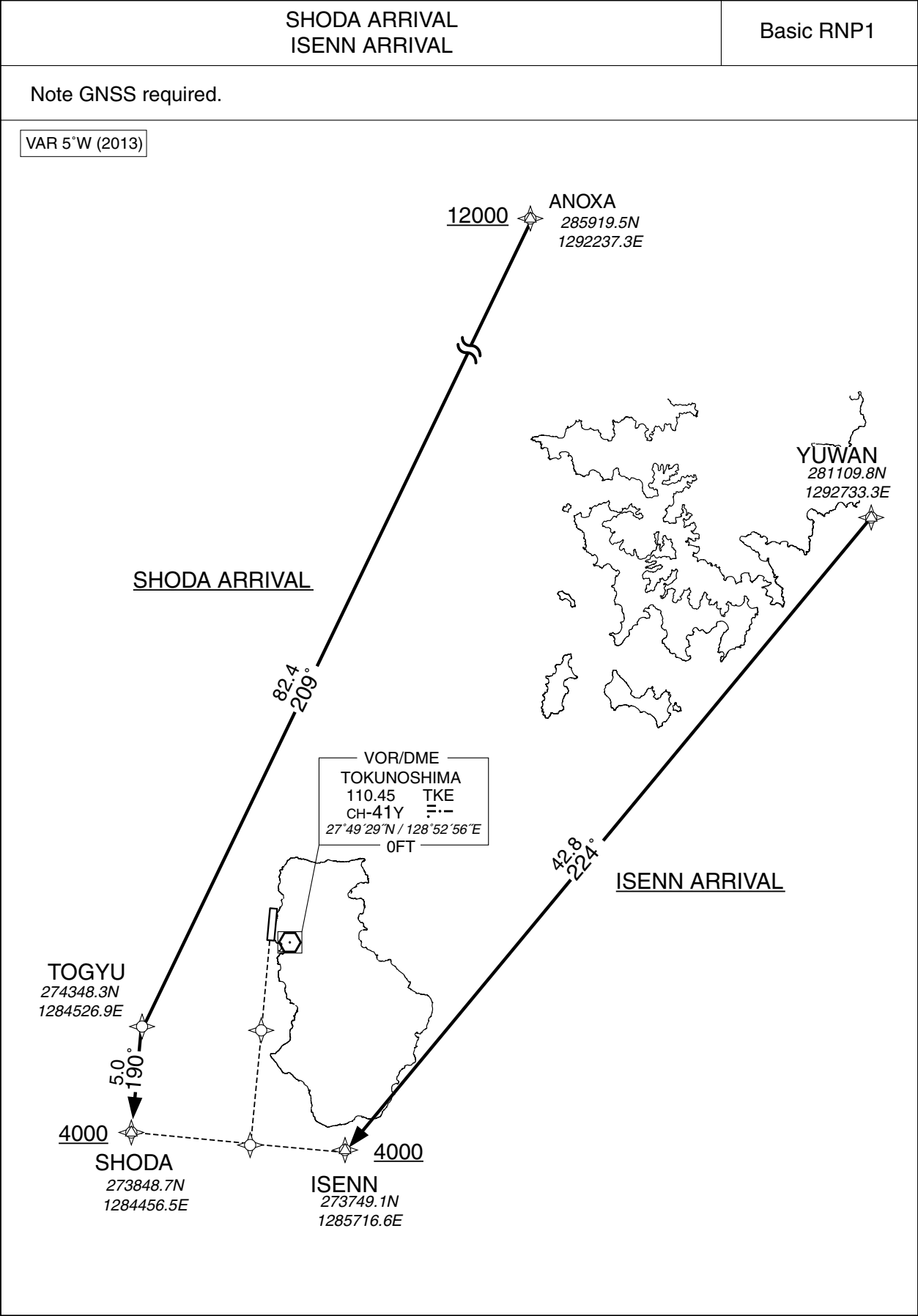
## RWY19

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	—	—	190 (185.1)	-5.2	—	—	+500	—	—	Basic RNP1
002	DF	KN901	—	—	-5.2	—	R	—	—	—	Basic RNP1
003	TF	KN902	—	046 (040.6)	-5.2	4.2	—	—	—	—	Basic RNP1
004	TF	KINEN	—	072 (066.9)	-5.2	15.0	—	—	—	—	Basic RNP1
005	TF	YUWAN	—	072 (067.1)	-5.2	20.1	—	+4000	—	—	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY01





## STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY01

SHODA ARRIVAL

From ANOXA at or above 12000FT, to TOGYU, to SHODA at or above 4000FT.

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	ANOXA	—	—	-5.2	—	—	+12000	—	—	Basic RNP1
002	TF	TOGYU	—	209 (203.6)	-5.2	82.4	—	—	—	—	Basic RNP1
003	TF	SHODA	—	190 (185.1)	-5.2	5.0	—	+4000	—	—	Basic RNP1

ISENN ARRIVAL

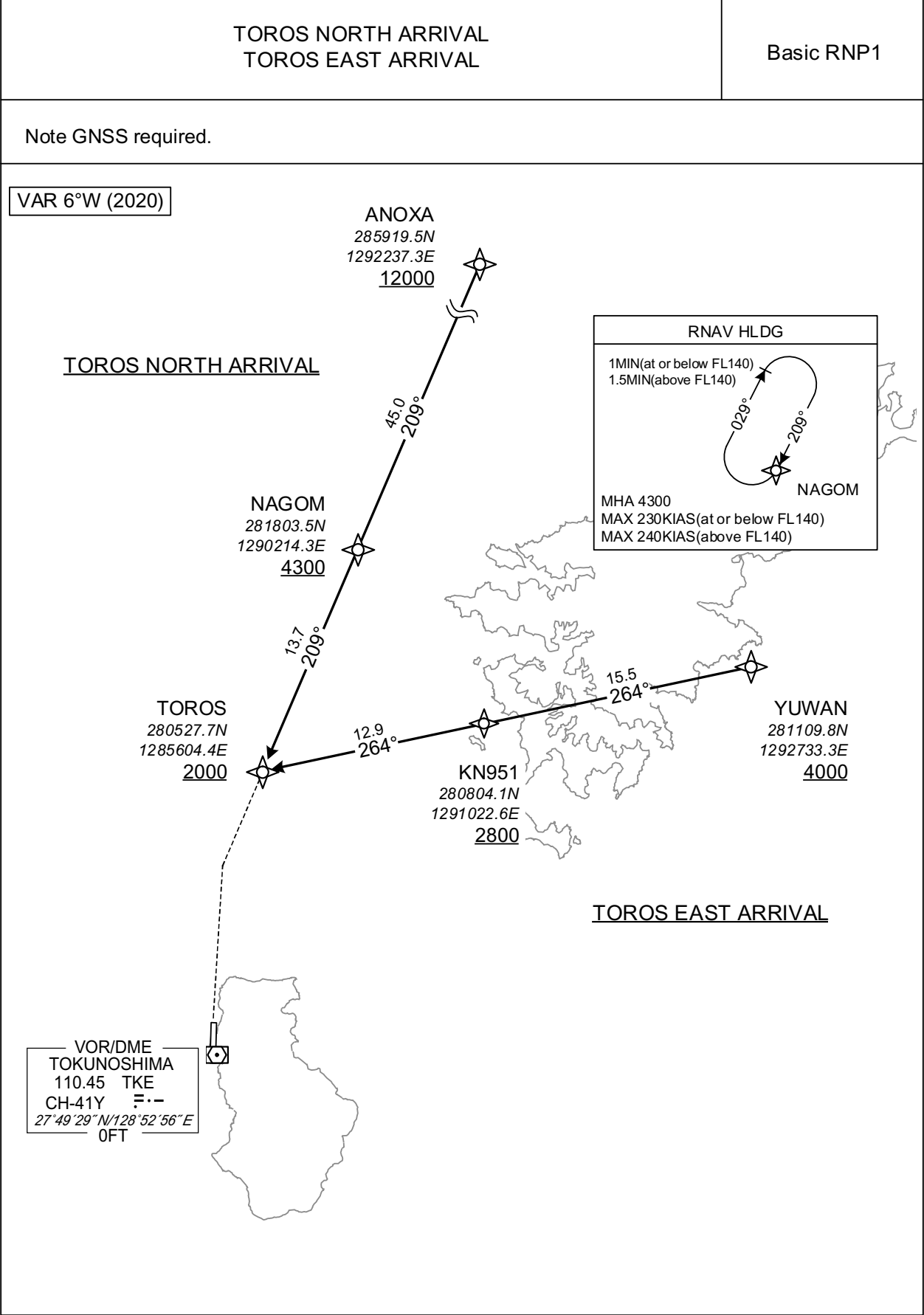
From YUWAN, to ISENN at or above 4000FT.

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	YUWAN	—	—	-5.2	—	—	—	—	—	Basic RNP1
002	TF	ISENN	—	224 (218.9)	-5.2	42.8	—	+4000	—	—	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY19



## STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY19

TOROS NORTH ARRIVAL

From ANOXA at or above 12000FT, to NAGOM at or above 4300FT, to TOROS at or above 2000FT.

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	ANOXA	-	-	-6.0	-	-	+12000	-	-	Basic RNP1
002	TF	NAGOM	-	209 (203.5)	-6.0	45.0	-	+4300	-	-	Basic RNP1
003	TF	TOROS	-	209 (203.4)	-6.0	13.7	-	+2000	-	-	Basic RNP1

TOROS EAST ARRIVAL

From YUWAN at or above 4000FT, to KN951 at or above 2800FT, to TOROS at or above 2000FT.

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	YUWAN	-	-	-6.0	-	-	+4000	-	-	Basic RNP1
002	TF	KN951	-	264 (258.5)	-6.0	15.5	-	+2800	-	-	Basic RNP1
003	TF	TOROS	-	264 (258.4)	-6.0	12.9	-	+2000	-	-	Basic RNP1

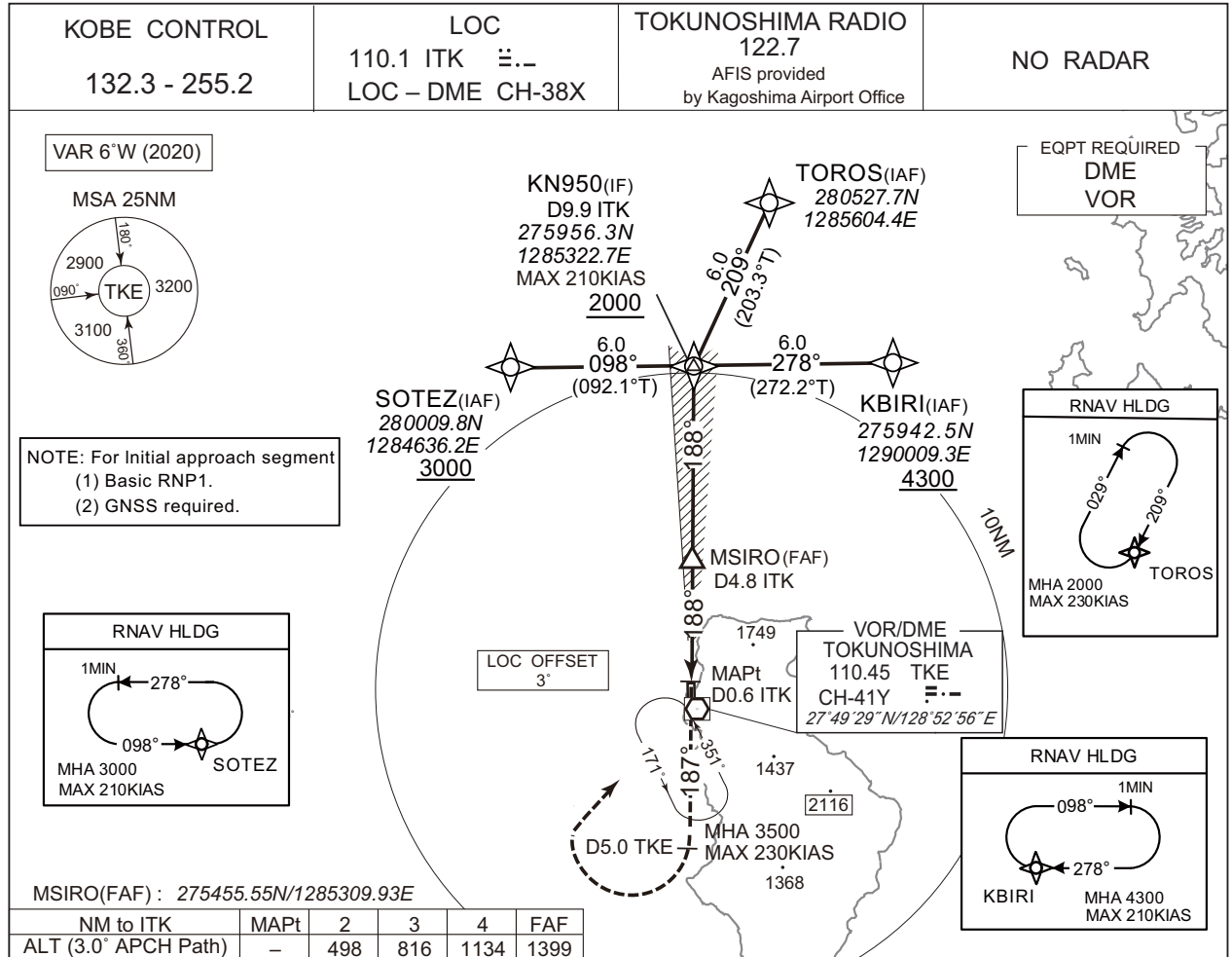
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NAGOM	209 (203.4)	-6.0	1.0(-14000) 1.5(+14001)	R	4300	—	-230(-14000) -240(+14001)	Basic RNP1

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

LOC Z RWY19

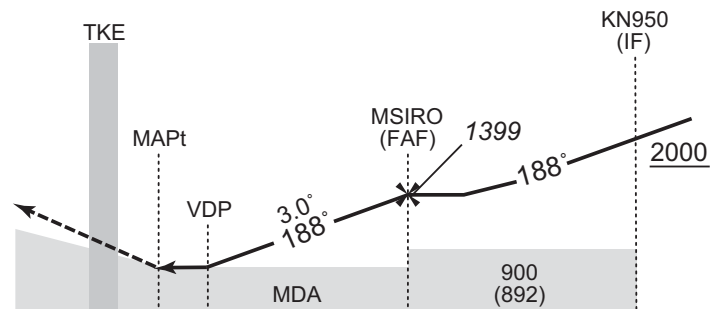


CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

MISSED APPROACH

Climb via TKE R187 to 5.0DME,  
turn right, direct to TKE VOR/DME  
and hold at 3500FT.  
Contact TOKUNOSHIMA RADIO.

Timing not authorized for defining the MAPt.



DME to ITK	0.6	1.8	4.8	9.9
NM to THR	0	1.2	4.2	9.2

Missed APCH climb gradient MNM 5.0%

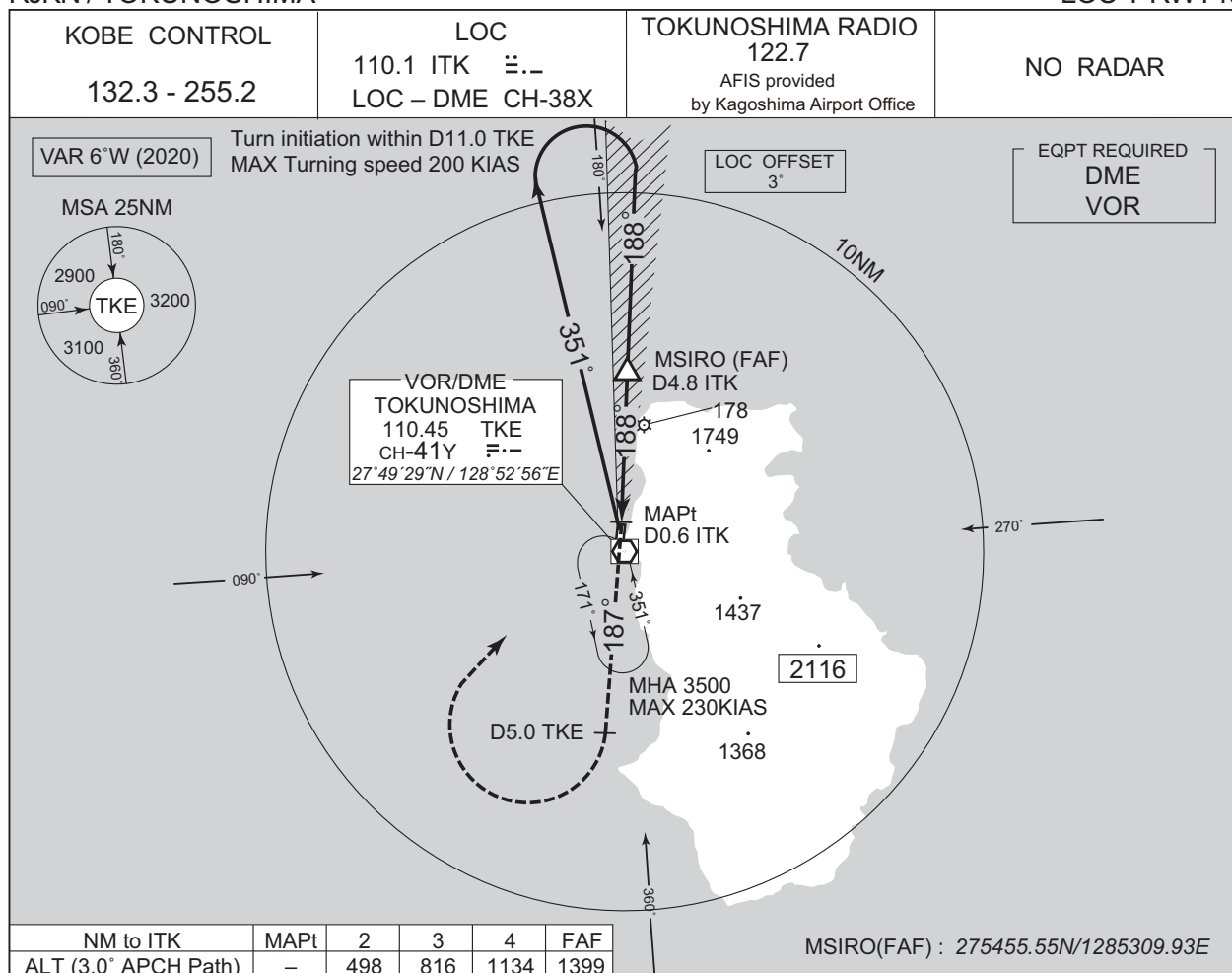
MINIMA		THR elev. 14	AD elev. 8	
CAT	CIRCLING			
	MDA(H)	CMV	MDA(H)	VIS
A	430 (422)	900	730 (722)	1600
B		1000	990 (982)	
C			1190 (1182)	2400
D		1400	1480 (1472)	

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

## INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

LOC Y RWY19

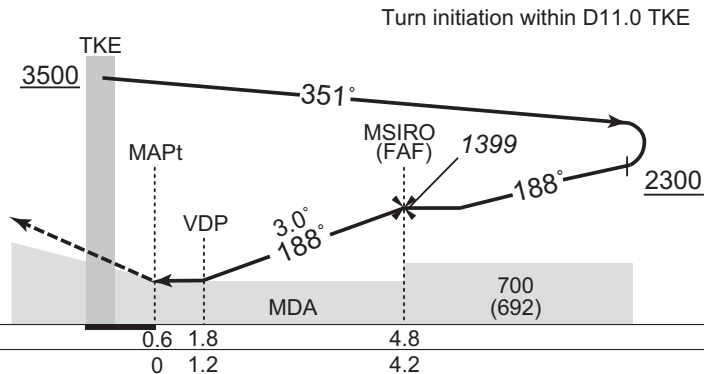


CHANGE: Call sign(REMOTE→RADIO). AFIS unit added.

**MISSED APPROACH**

Climb via TKE R187 to 5.0DME,  
turn right, direct to TKE VOR/DME  
and hold at 3500FT.  
Contact TOKUNOSHIMA RADIO.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

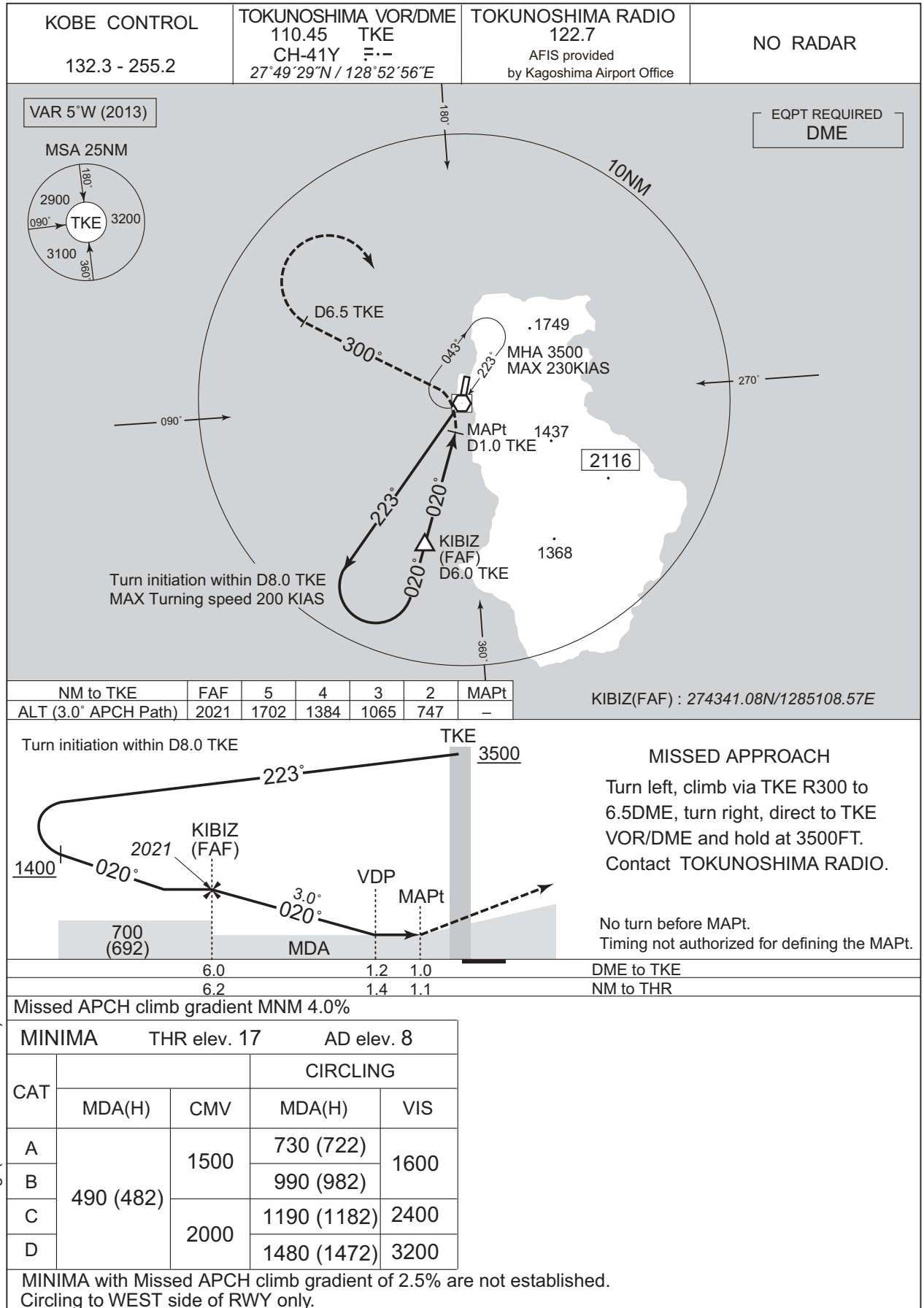
MINIMA		THR elev. 14	AD elev. 8	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	430 (422)	900	730 (722)	1600
B		1000	990 (982)	
C			1190 (1182)	2400
D			1480 (1472)	

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

INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

VOR RWY01

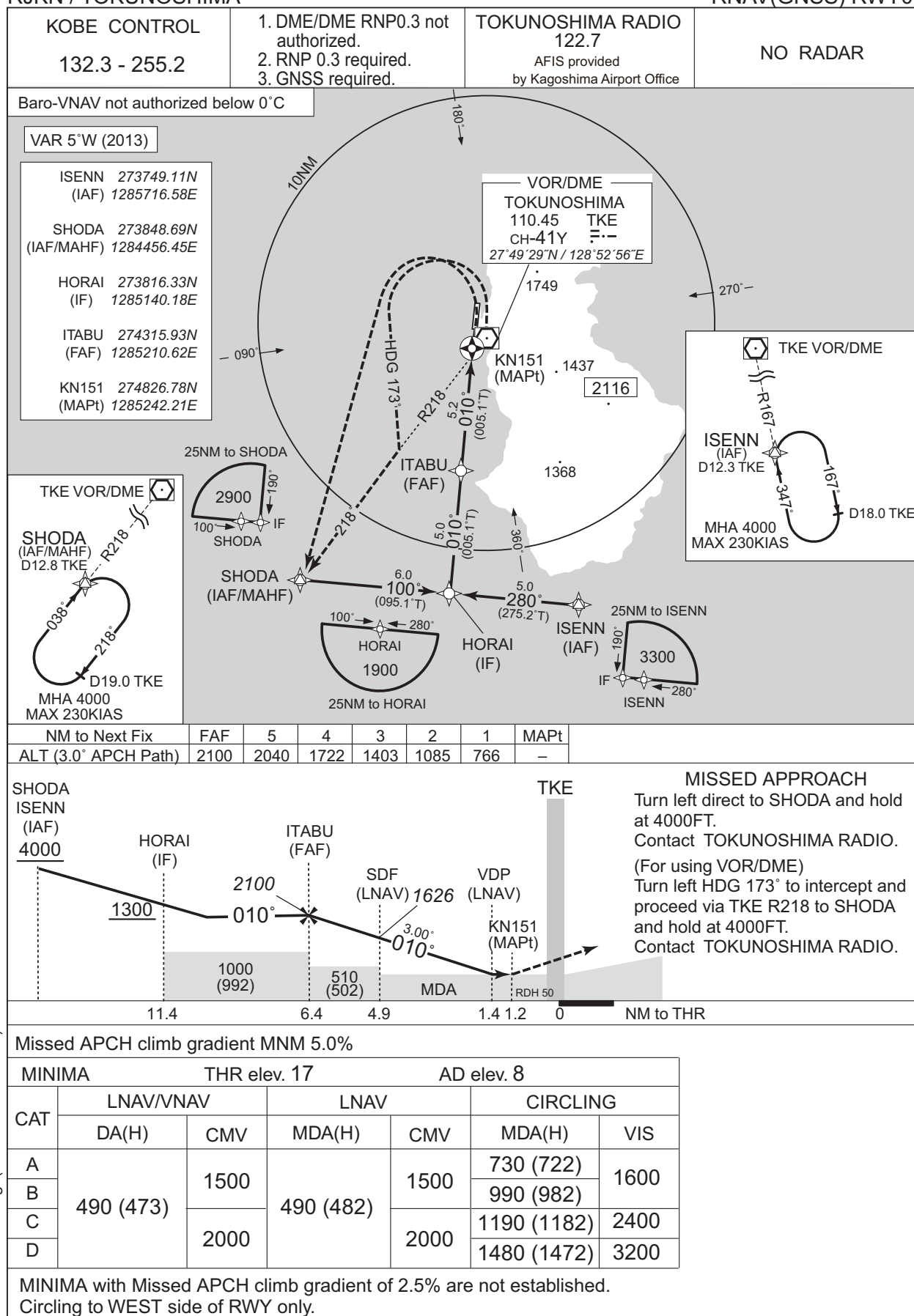


CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

RNAV(GNSS) RWY01



CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

RJKN / TOKUNOSHIMA

Visual REP



Call sign	BRG / DIST from ARP	Remarks
与名間崎 Yonamazaki	013°/3.0NM	灯台 Lighthouse
金見崎 Kanamizaki	057°/6.0NM	灯台 Lighthouse
亀徳港 Kametokukoh	129°/9.3NM	漁港 Harbor
犬田布崎 Inutabuzaki	184°/6.4NM	白い大きな慰霊碑 Big white monument



RJKN / TOKUNOSHIMA

Minimum Vectoring Altitude CHART

