

## 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)

0.22%

9ft (2.87m)

0.1%

14ft (4.33m)

LEVEL

LEVEL

390m

1040m

1290m

1790m

2000m

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

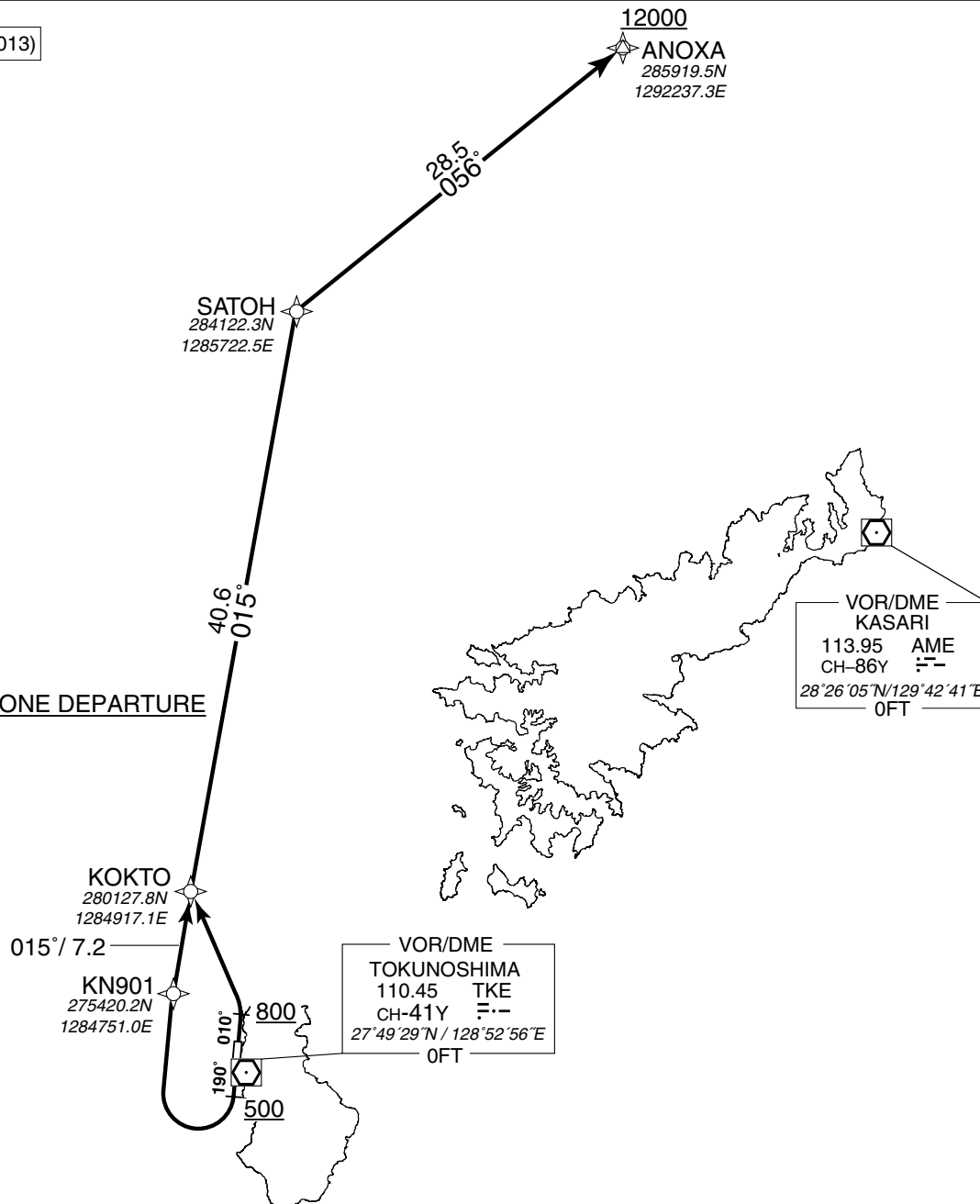
ANOXA ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 5°W (2013)

ANOXA ONE DEPARTURE



ANOXA ONE DEPARTURE

RWY01 : Climb on HDG010° at or above 800FT, turn left direct to KOKTO, to SATOH, to ANOXA at or above 12000FT.

RWY19 : Climb on HDG190° at or above 500FT, turn right direct to KN901, to KOKTO, to SATOH, to ANOXA at or above 12000FT.

Note RWY01 : 6.1% climb gradient required up to 800FT.

OBST ALT 460FT located at 1.4NM 028° FM end of RWY01.

## 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

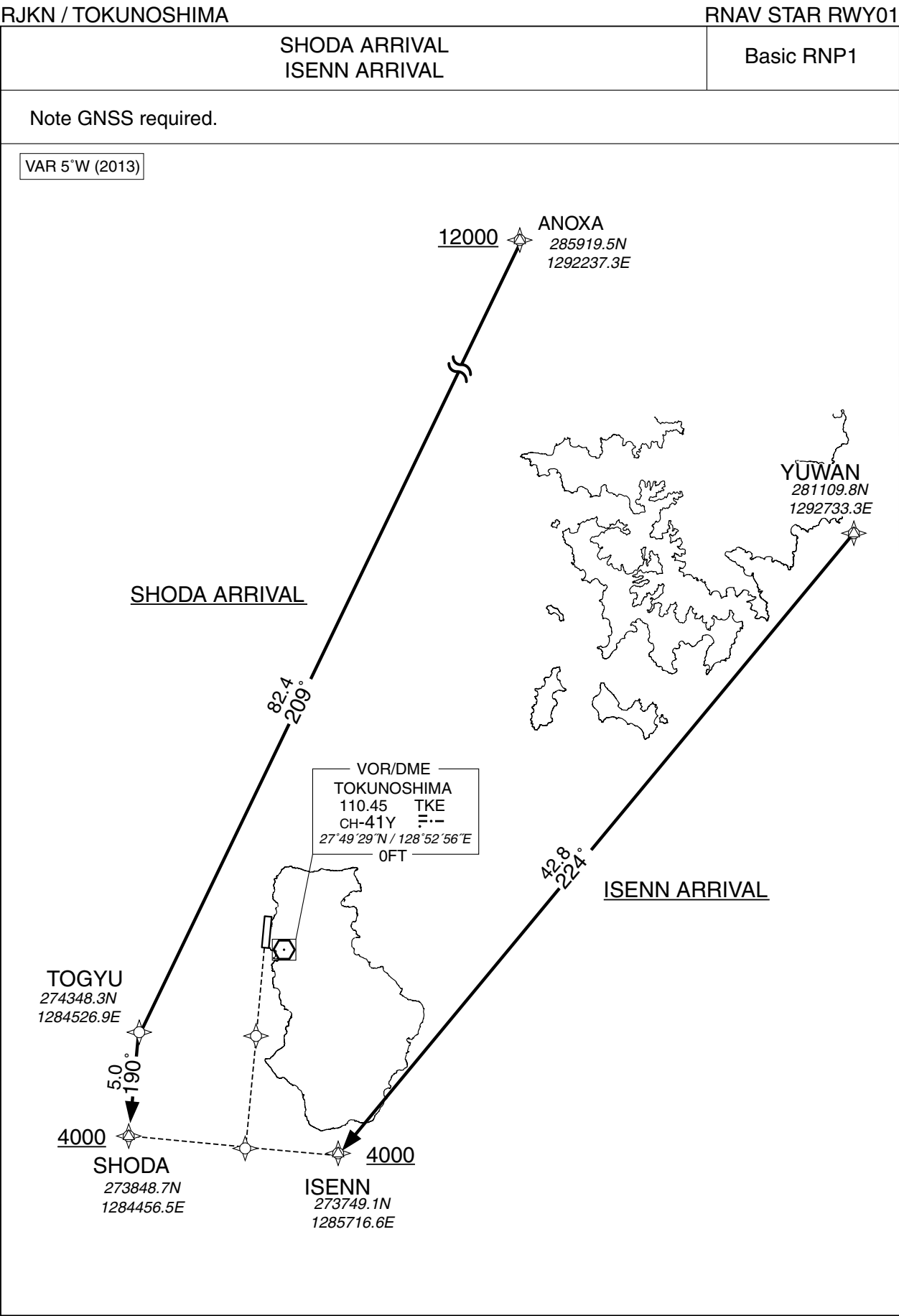
## RWY01

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





## 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

ASAHI NORTH ARRIVAL	Basic RNP1
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Note GNSS required.

VAR 5°W (2013)



ASAHI NORTH ARRIVAL

From ANOXA at or above 12000FT, to ASAHI 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	—	—	-5.2	—	—	+12000	—	—	Basic RNP1
002	TF	ASAHI	—	209 (203.8)	-5.2	64.0	—	+2000	—	—	Basic RNP1

## STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY19

## ASAHI EAST ARRIVAL

Basic RNP1

Note GNSS required.

VAR 5°W (2013)

ASAHI EAST ARRIVAL

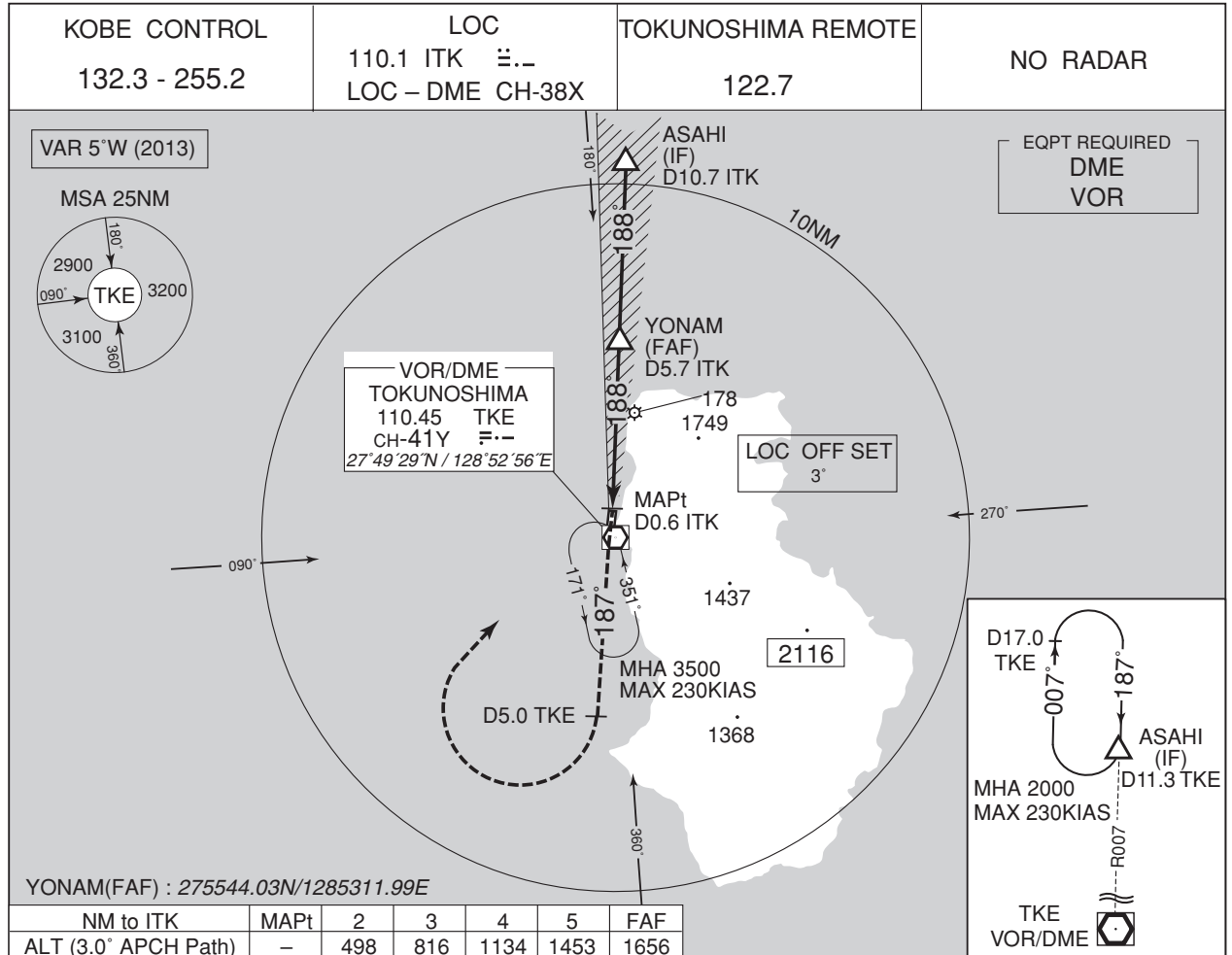
From YUWAN at or above 4000FT, to SIRAI at or above 3000FT, to ASAHI at or above 2000FT.

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	—	—	-5.2	—	—	+4000	—	—	Basic RNP1
002	TF	SIRAI	—	256 (251.1)	-5.2	21.9	—	+3000	—	—	Basic RNP1
003	TF	ASAHI	—	256 (250.9)	-5.2	10.0	—	+2000	—	—	Basic RNP1

INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

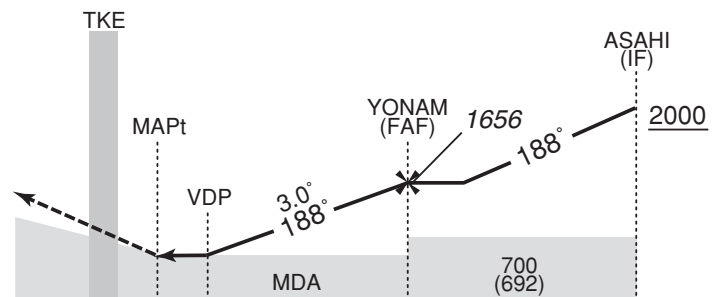
LOC Z RWY19



**MISSED APPROACH**

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

Timing not authorized for defining the MAPt.



DME to ITK	0.6	1.8	5.7	10.7
NM to THR	0	1.2	5.0	10.0

Missed APCH climb gradient MNM 5.0%

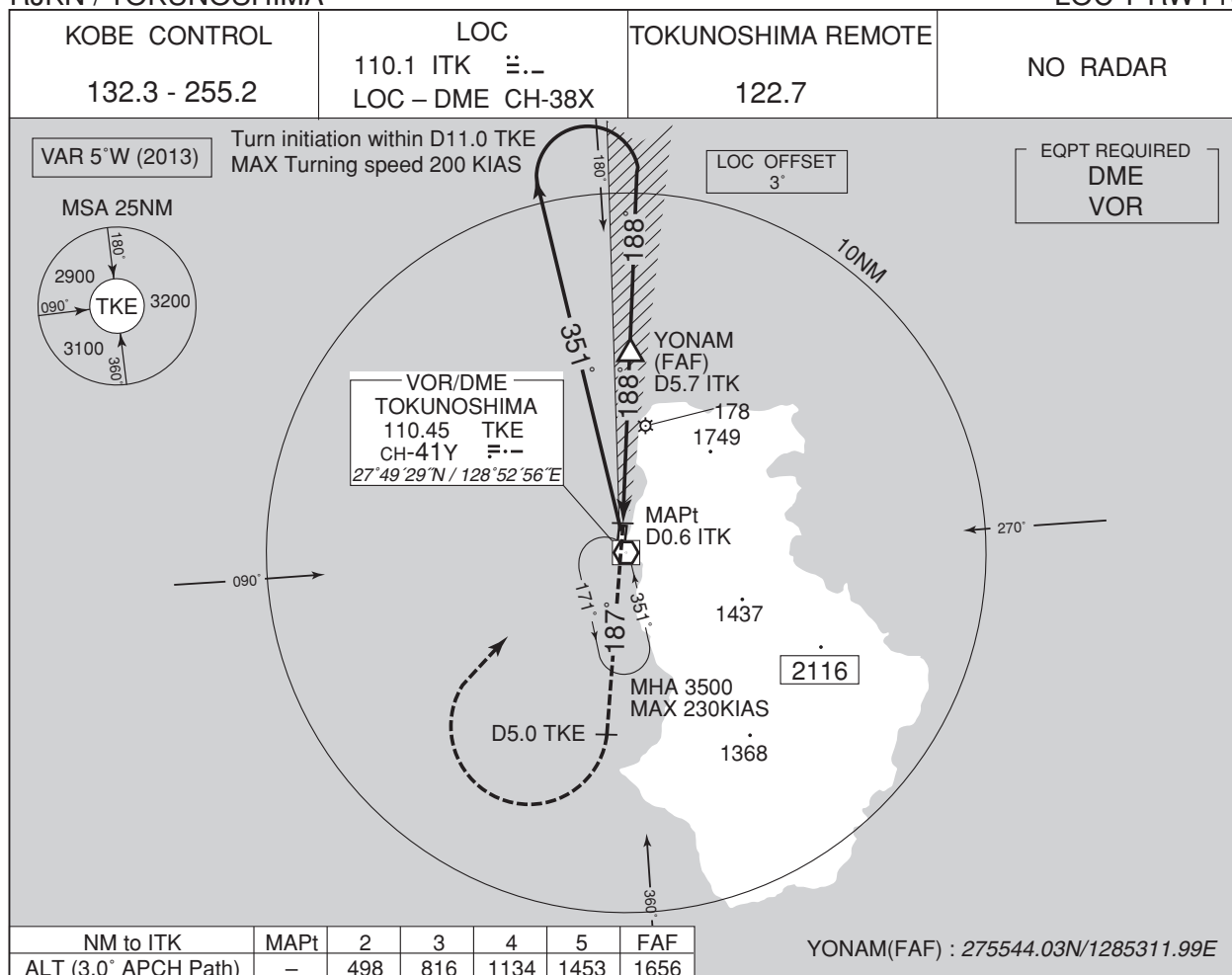
MINIMA		THR elev. 14	AD elev. 8	
CAT	CIRCLING			
	MDA(H)	CMV	MDA(H)	VIS
A	430 (422)	900	730 (722)	1600
B		1000	990 (982)	
C			1190 (1182)	
D		1400	1480 (1472)	

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

## INSTRUMENT APPROACH CHART

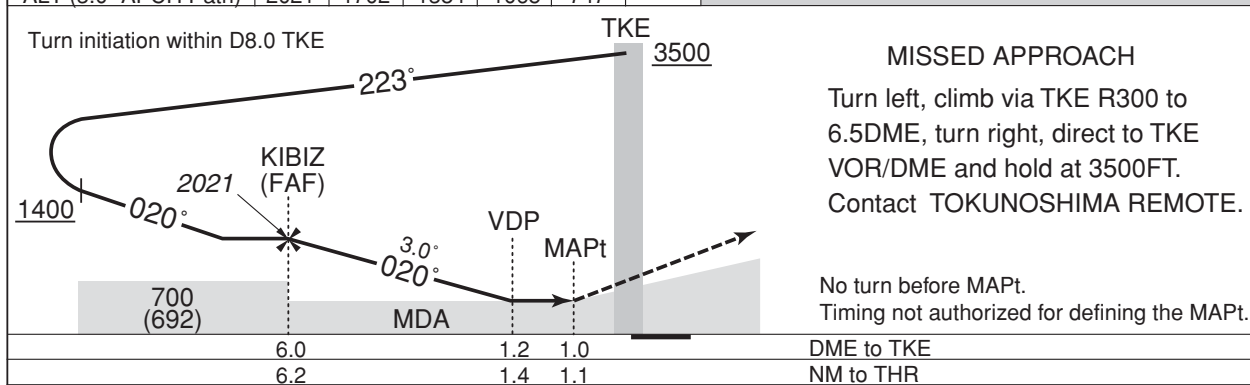
RJKN / TOKUNOSHIMA

LOC Y RWY19



## RJKN / TOKUNOSHIMA

VOR RWY01



Missed APCH climb gradient MNM 4.0%				
MINIMA		THR elev. 17	AD elev. 8	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	490 (482)	1500	730 (722)	1600
B			990 (982)	
C		2000	1190 (1182)	2400
D			1480 (1472)	3200

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

## INSTRUMENT APPROACH CHART

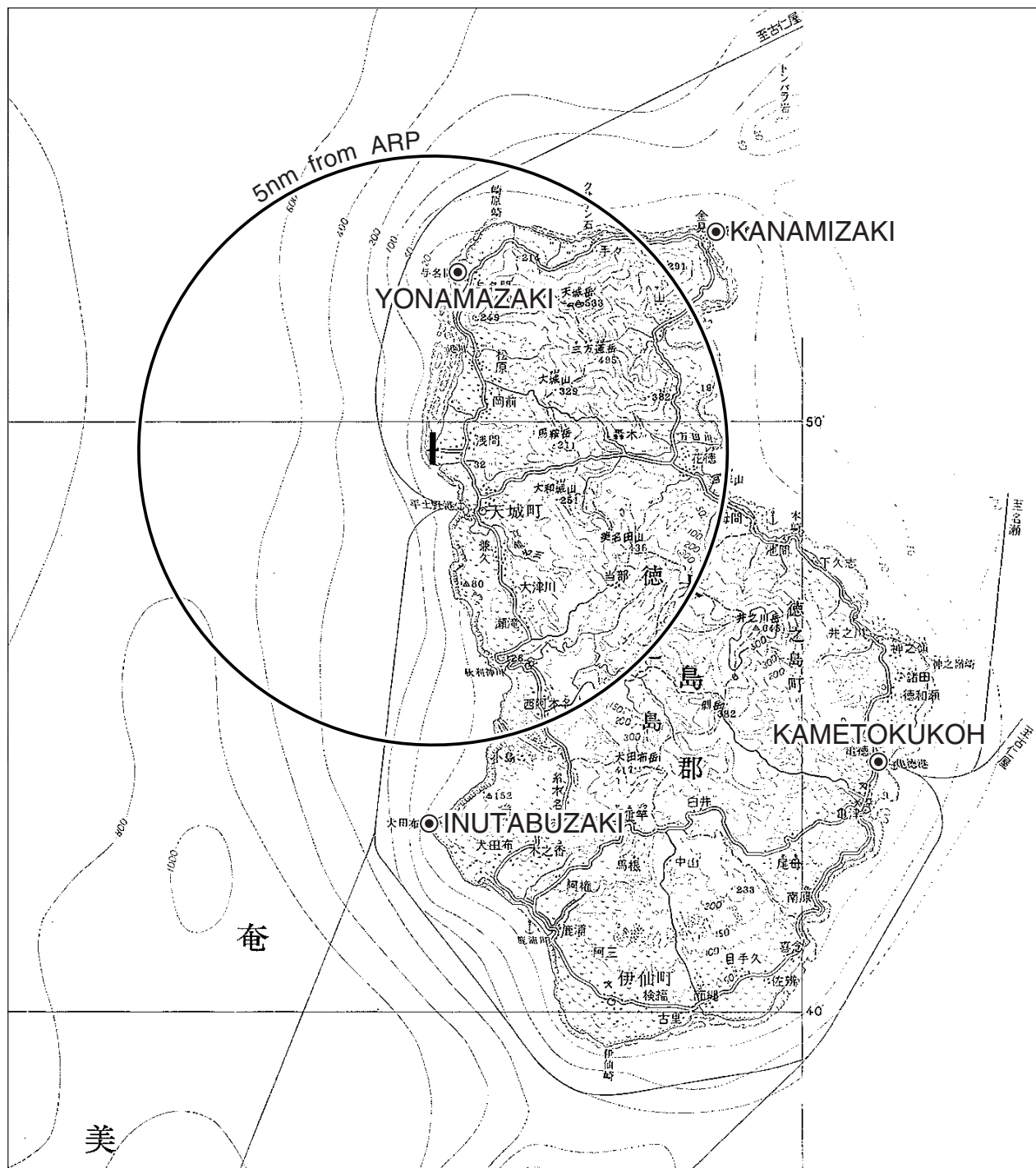
RJKN / TOKUNOSHIMA

RNAV(GNSS) RWY01



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

