

AD 2 AERODROMES

RJKN AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJKN - TOKUNOSHIMA

RJKN AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	275011N/1285253E 006° /1.0km FM RWY 01 THR
2	Direction and distance from (city)	1km W of ASAMA
3	Elevation/ Reference temperature	8ft / 32°C(2004-2008)
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/ Annual change	6°W(2021) / 5'W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	KAGOSHIMA PREF. PUBLIC AP. 1-1, Asama, Amagi-cho, Oshima-gun, Kagoshima Pref. 891-8605 JAPAN Tel:0997-85-2238 Fax:0997-85-4054
7	Types of traffic permitted(IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJKN AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330 - 1030
2	Customs and immigration	On request Customs: 099-260-3125 Immigration: 099-222-5658
3	Health and sanitation	Quarantine(human): On request(099-222-8670) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (FUKUOKA)
7	ATS	2330 - 1030 Remarks: AFIS provided by Kagoshima Airport Office.
8	Fuelling	2330 - 1030
9	Handling	2330 - 1030
10	Security	2330 - 1030
11	De-icing	Nil
12	Remarks	Nil

RJKN AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	JET A-1
3	Fuelling facilities/ capacity	Fuelling facilities : Fuel truck, Capacity : 24kl / h
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJKN AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	Available, not continuous
3	Transportation	Buses, taxis
4	Medical facilities	In the city
5	Bank and Post Office	In the city
6	Tourist Office	Not available
7	Remarks	Nil

RJKN AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT : 7
2	Rescue equipment	Chemical fire fighting truck x 2
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

RJKN AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Not applicable
2	Clearance priorities	Nil
3	Remarks	Nil

RJKN AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Apron Surface : Cement-concrete, Strength : PCN 52/R/B/X/T Apron(for light ACFT) Surface : Asphalt-concrete, Strength : PCN 12/F/C/Y/T
2	Taxiway width, surface and strength	T1, T2, P1 Width : 23m, Surface : Asphalt-concrete, Strength : PCN 52/F/C/X/T T3, P2 Width : 18m, Surface : Asphalt-concrete, Strength : PCN 12/F/C/Y/T
3	ACL and elevation	Not available
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RJKN AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY:01/19 (Marking)RWY designation, RWY CL, RWY THR, RWY side stripe (LGT)RCLL, REDL, RTHL, RENL TWY: (Marking) TWY CL, RWY HLDG PSN (T1-T3), TWY side stripe, (LGT) TWY edge LGT, TWY CL LGT (T1, T2, P1)
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) Apron flood LGT

RJKN AD 2.10 AERODROME OBSTACLES

■ In Area2 See Obstacle data

■ In Area3 To be developed

RJKN AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	FUKUOKA
2	Hours of service MET Office outside hours	H24 (FUKUOKA)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at FUKUOKA
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S ₆ , U ₈₅ , U ₇ , U ₅ , U ₃ , U ₂₅ , U ₂ /T _r , P _S , P ₅ , P ₃ , P ₂₅ , P _{SWE} , P _{SWF} , P _{SWG} , P _{SWI} , P _{SWM} , P _{SW} (domestic), E, C, W _E , W _F , W _G , W _I , W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information(limitation of service, etc.)	Nil

RJKN AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
01	006.12°	2000×45	PCN 52/F/C/X/T Asphalt-Concrete	Nil	THR ELEV : 17ft
19	186.12°	2000×45	PCN 52/F/C/X/T Asphalt-Concrete	Nil	THR ELEV : 14ft
Slope of RWY	Strip Dimensions(M)	RESA(Overrun) Dimensions(M)	Remarks		
7	10	11	14		
See AD2.24 AD chart	2120x150 2120x150	45x150 44x150	RWY Grooving: 2000mx30m		

RJKN AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
01	2000	2000	2000	2000	Nil
19	2000	2000	2000	2000	Nil

RJKN AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
01	Nil	Green -	PAPI 3.0°/Left 417m 61ft	Nil	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	Red	Nil(*2)
19	SALS (*1) 420m LIH	Green -	PAPI 3.0°/LEFT 397m 61ft	NIL	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (white/Yellow) LIH	Red	Nil(*2)
Remarks								
10								
SALS with RAI(LEN:480m)(*1) Overrun area edge LGT(LEN:60m Color:Red)(*2) RWY THR ID LGT for RWY 01 THR(Color:White)								

RJKN AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: 275003N/1285301E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI : Nil Anemometer : RWY 01 : 90m FM RWY 01 THR, LGTD RWY 19 : 260m FM RWY 19 THR, LGTD
3	TWY edge and centerline lighting	TWY edge LGT : Blue TWY CL LGT : ALTN Green/Yellow FM RWY leaving report point, other Green.
4	Secondary power supply/ switch-over time	Within 15 sec : SALS, PAPI, RAI, ABN, REDL, RENL, RTHL, RCLL, Overrun area edge LGT, TWY CL LGT, TWY edge LGT, WDI LGT, RWY THR ID LGT
5	Remarks	Nil

RJKN AD 2.16 HELICOPTER LANDING AREA

Nil

RJKN AD 2.17 ATS AIRSPACE

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Tokunoshima Information Zone	Area within a radius of 5nm (9km) of Tokunoshima ARP	3,000 or below	E	TOKUNOSHIMA RADIO En	

RJKN AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	TOKUNOSHIMA RADIO	122.7MHz	2330 - 1030	Operated by Kagoshima Airport Office. Unable contact radial 055°(W-13) beyond 20NM at or BLW 4,000ft.

RJKN AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (5°W / 2020)	TKE	110.45MHz	H24	274929.20N/ 1285255.98E		VOR unusable : 020°-040° beyond 20nm BLW 4000ft. 040°-070° beyond 20nm BLW 5000ft. 070°-100° beyond 20nm BLW 4000ft. 100°-120° beyond 30nm BLW 5000ft. 120°-130° beyond 20nm BLW 5000ft. 130°-140° beyond 30nm BLW 5000ft.
DME	TKE	1128MHz (CH-41Y)	H24	274929.20N/ 1285255.98E	51ft	DME unusable : 020°-040° beyond 20nm BLW 4000ft. 040°-070° beyond 20nm BLW 5000ft. 070°-100° beyond 20nm BLW 4000ft. 100°-110° beyond 30nm BLW 5000ft. 110°-120° beyond 20nm BLW 5000ft. 120°-130° beyond 15nm BLW 5000ft. 130°-140° beyond 30nm BLW 5000ft.
LOC 19	ITK	110.1MHz	2330 - 1030	275005.64N/ 1285257.59E		LOC : 843m (2756ft) inside FM RWY 01 THR, 144m (472ft) E of RCL, BRG (MAG) 188°. (1) OFFSET angle 3.0° (2) Unusable: beyond 10°east(90Hz) side of course.
LOC-DME 19	ITK	999MHz (CH-38X)	2330 - 1030	275005.01N/ 1285258.17E	25ft	DME : 826m (2710ft) inside FM RWY 01 THR, 164m (538ft) E of RCL.

LOC and LOC-DME



REMARKS : 1. LOC OFF SET ANGLE 3.0°
2. LOC beam BRG(MAG) 188°
3. ELEV of LOC-DME 7.7m (25ft)

LOC UNUSABLE : BEYOND 10DEGREES EAST (90Hz) SIDE OF COURSE.



RJKN AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Nil

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft(General aviation)

Nil

4. Parking area for helicopters

Nil

5. Apron - taxiing during winter conditions

Nil

6. Taxiing - limitations

Nil

7. School and training flights - technical test flights - use of runways

Nil

8. Helicopter traffic - limitation

Nil

9. Removal of disabled aircraft from runways

Nil

RJKN AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJKN AD 2.22 FLIGHT PROCEDURES

TAKE OFF MINIMA

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	01	A,B,C,D	-	400m	-	400m	-	500m
	19	A,B,C,D	-	400m	-	400m	-	500m
OTHER	01	A,B,C,D	AVBL LDG MINIMA					
	19							

RJKN AD 2.23 ADDITIONAL INFORMATION

Nil

RJKN AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
 Standard Departure Chart - Instrument (TOKUNOSHIMA)
 Standard Departure Chart - Instrument (ANOXA-RNAV)
 Standard Departure Chart - Instrument (YUWAN-RNAV)
 Standard Arrival Chart - Instrument (SHODA-RNAV, ISENN-RNAV)
 Standard Arrival Chart - Instrument (TOROS NORTH, TOROS EAST-RNAV)
 Standard Arrival Chart - Instrument (SOTEZ ARRIVAL)
 Instrument Approach Chart (LOC Z RWY 19)
 Instrument Approach Chart (LOC Y RWY 19)
 Instrument Approach Chart (VOR RWY 01)
 Instrument Approach Chart (RNAV(GNSS)RWY 01)
 Other Chart (Visual REP)
 Other Chart (MVA CHART)

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RJKN / TOKUNOSHIMA

AD CHART



STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

SID and TRANSITION

TOKUNOSHIMA FIVE DEPARTURE

RWY01 : Climb via TKE R359 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 029° FM end of RWY01.

Note RWY19 : No turn before DER.

KUNIG TRANSITION

From over TKE VOR/DME, via TKE R209 to KUNIG or ONC VORTAC.

Cross KUNIG or ONC VORTAC at assigned altitude.

MEKAX TRANSITION

From over TKE VOR/DME, via TKE R025 to 15.0DME, via ONC R026 to MEKAX.

Cross MEKAX at or above 11000FT.

KASARI TRANSITION

From over TKE VOR/DME, via TKE R097 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.

CHANGE : PROC renamed(TOKUNOSHIMA FIVE DEPARTURE). PROC course(SID, TRANSITION).

STANDARD DEPARTURE CHART -INSTRUMENT

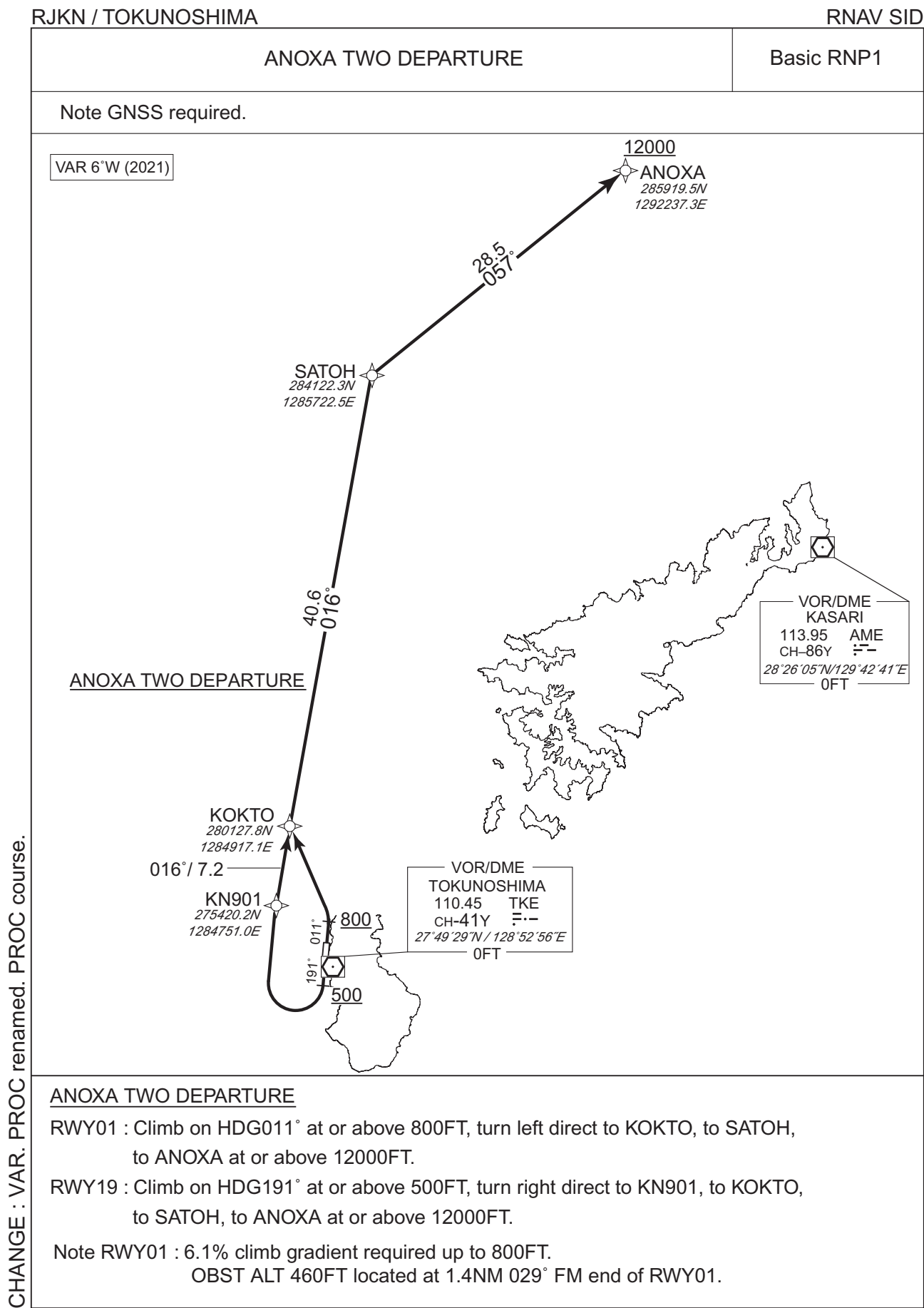
RJKN / TOKUNOSHIMA

SID and TRANSITION

CHANGE : PROC renamed(TOKUNOSHIMA FIVE DEPARTURE). PROC course(SID, TRANSITION).



STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID

ANOXA TWO DEPARTURE

RWY01

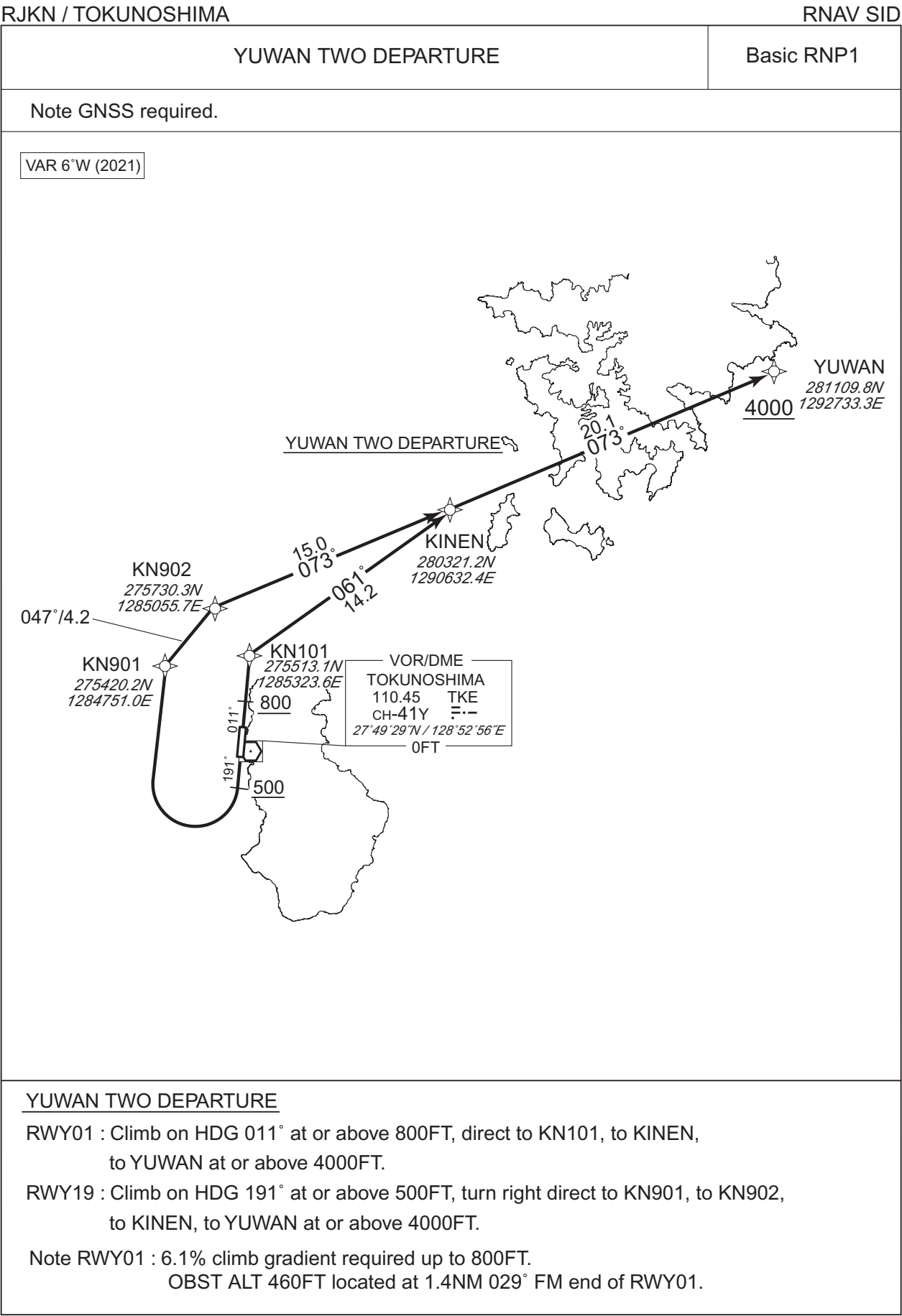
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	011 (005.1)	-6.1	—	—	+800	—	—	Basic RNP1
002	DF	KOKTO	—	—	-6.1	—	L	—	—	—	Basic RNP1
003	TF	SATOH	—	016 (010.1)	-6.1	40.6	—	—	—	—	Basic RNP1
004	TF	ANOXA	—	057 (050.8)	-6.1	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	—	—	191 (185.1)	-6.1	—	—	+500	—	—	Basic RNP1
002	DF	KN901	—	—	-6.1	—	R	—	—	—	Basic RNP1
003	TF	KOKTO	—	016 (010.1)	-6.1	7.2	—	—	—	—	Basic RNP1
004	TF	SATOH	—	016 (010.1)	-6.1	40.6	—	—	—	—	Basic RNP1
005	TF	ANOXA	—	057 (050.8)	-6.1	28.5	—	+12000	—	—	Basic RNP1

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID

YUWAN TWO 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	—	—	011 (005.1)	-6.1	—	—	+800	—	—	Basic RNP1
002	DF	KN101	—	—	-6.1	—	—	—	—	—	Basic RNP1
003	TF	KINEN	—	061 (054.9)	-6.1	14.2	—	—	—	—	Basic RNP1
004	TF	YUWAN	—	073 (067.1)	-6.1	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	—	—	191 (185.1)	-6.1	—	—	+500	—	—	Basic RNP1
002	DF	KN901	—	—	-6.1	—	R	—	—	—	Basic RNP1
003	TF	KN902	—	047 (040.6)	-6.1	4.2	—	—	—	—	Basic RNP1
004	TF	KINEN	—	073 (066.9)	-6.1	15.0	—	—	—	—	Basic RNP1
005	TF	YUWAN	—	073 (067.1)	-6.1	20.1	—	+4000	—	—	Basic RNP1

CHANGE : VAR. PROC renamed. PROC course.

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

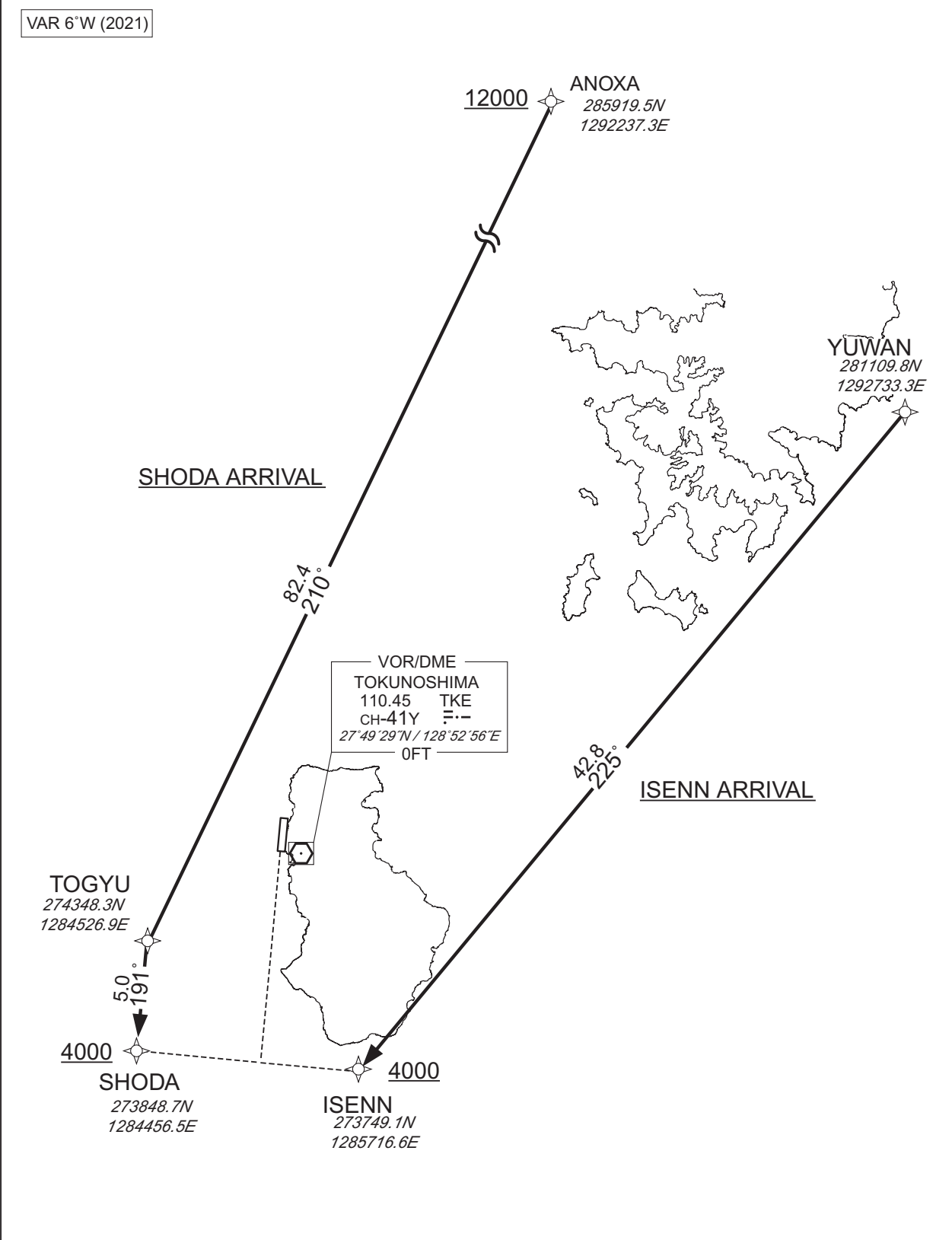
RNAV STAR RWY01

SHODA ARRIVAL ISENN ARRIVAL	Basic RNP1
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Note GNSS required.

VAR 6°W (2021)

CHANGE : VAR. PROC course.



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	—	—	-6.1	—	—	+12000	—	—	Basic RNP1
002	TF	TOGYU	—	210 (203.6)	-6.1	82.4	—	—	—	—	Basic RNP1
003	TF	SHODA	—	191 (185.1)	-6.1	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	—	—	-6.1	—	—	—	—	—	Basic RNP1
002	TF	ISENN	—	225 (218.9)	-6.1	42.8	—	+4000	—	—	Basic RNP1

CHANGE : VAR. PROC course.

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY19

TOROS NORTH ARRIVAL
TOROS EAST ARRIVAL

Basic RNP1

Note GNSS required.

VAR 6°W (2021)

TOROS NORTH ARRIVAL

ANOXA
285919.5N
1292237.3E
12000

NAGOM
281803.5N
1290214.3E
4300

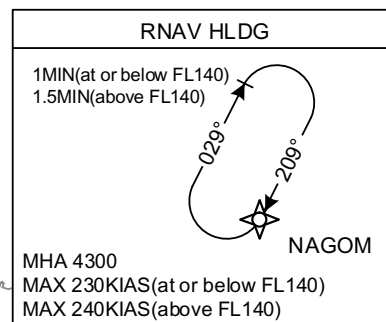
TOROS
280527.7N
1285604.4E
2000

KN951
280804.1N
1291022.6E
2800

YUWAN
281109.8N
1292733.3E
4000

TOROS EAST ARRIVAL

VOR/DME
TOKUNOSHIMA
110.45 TKE
CH-41Y
27°49'29"N/128°52'56"E
0FT



CHANGE : VAR. PROC course.

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	-	-	-6.1	-	-	+12000	-	-	Basic RNP1
002	TF	NAGOM	-	210 (203.5)	-6.1	45.0	-	+4300	-	-	Basic RNP1
003	TF	TOROS	-	209 (203.4)	-6.1	13.7	-	+2000	-	-	Basic RNP1

TOROS EAST ARRIVAL

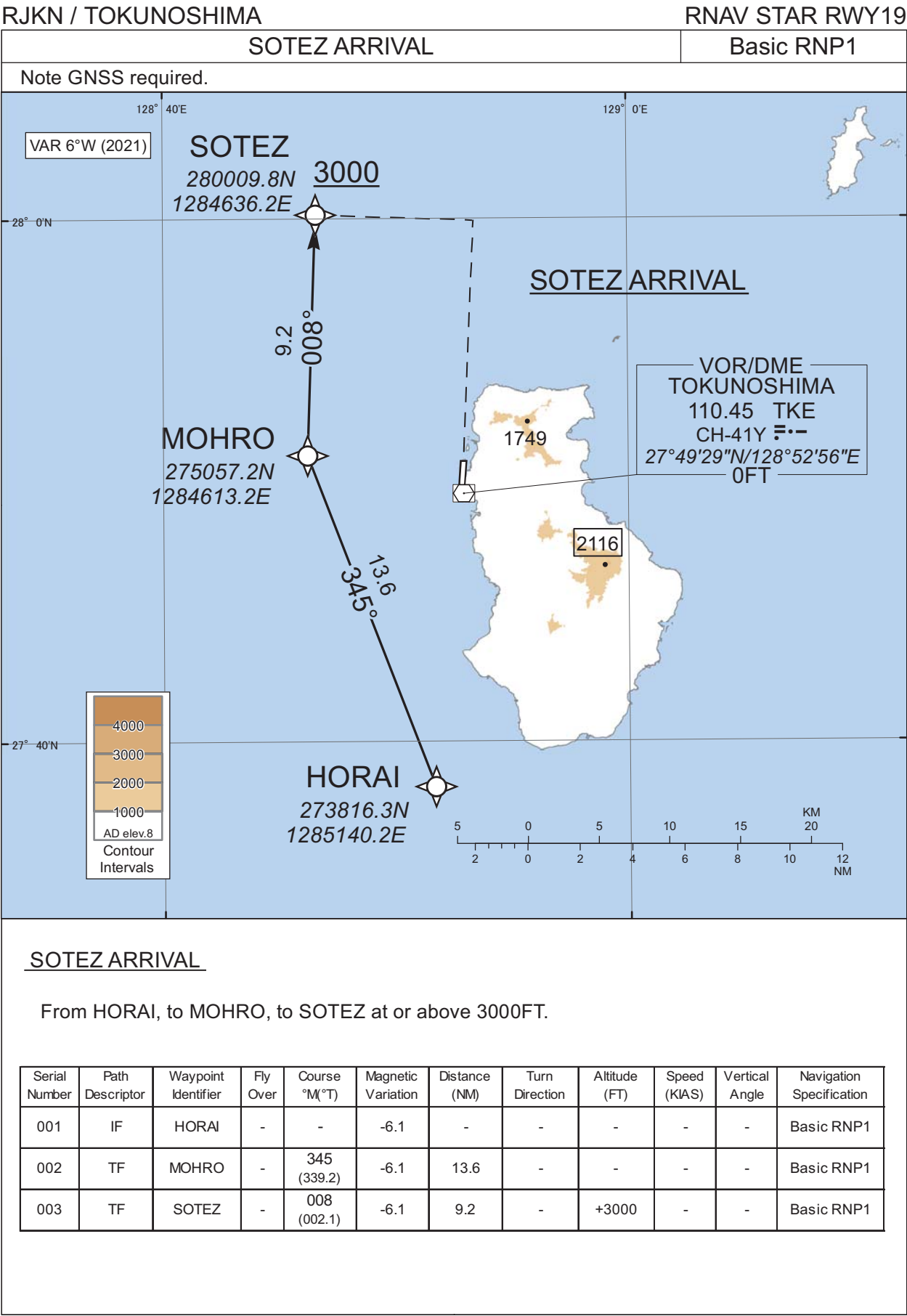
From YUWAN at or above 4000FT, to KN951 at or above 2800FT, to TOROS at or above 2000FT.

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	-	-	-6.1	-	-	+4000	-	-	Basic RNP1
002	TF	KN951	-	265 (258.5)	-6.1	15.5	-	+2800	-	-	Basic RNP1
003	TF	TOROS	-	264 (258.4)	-6.1	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)	-6.1	1.0(-14000) 1.5(+14001)	R	4300	—	-230(-14000) -240(+14001)	Basic RNP1

CHANGE : VAR. PROC course.

STANDARD ARRIVAL CHART - INSTRUMENT



INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

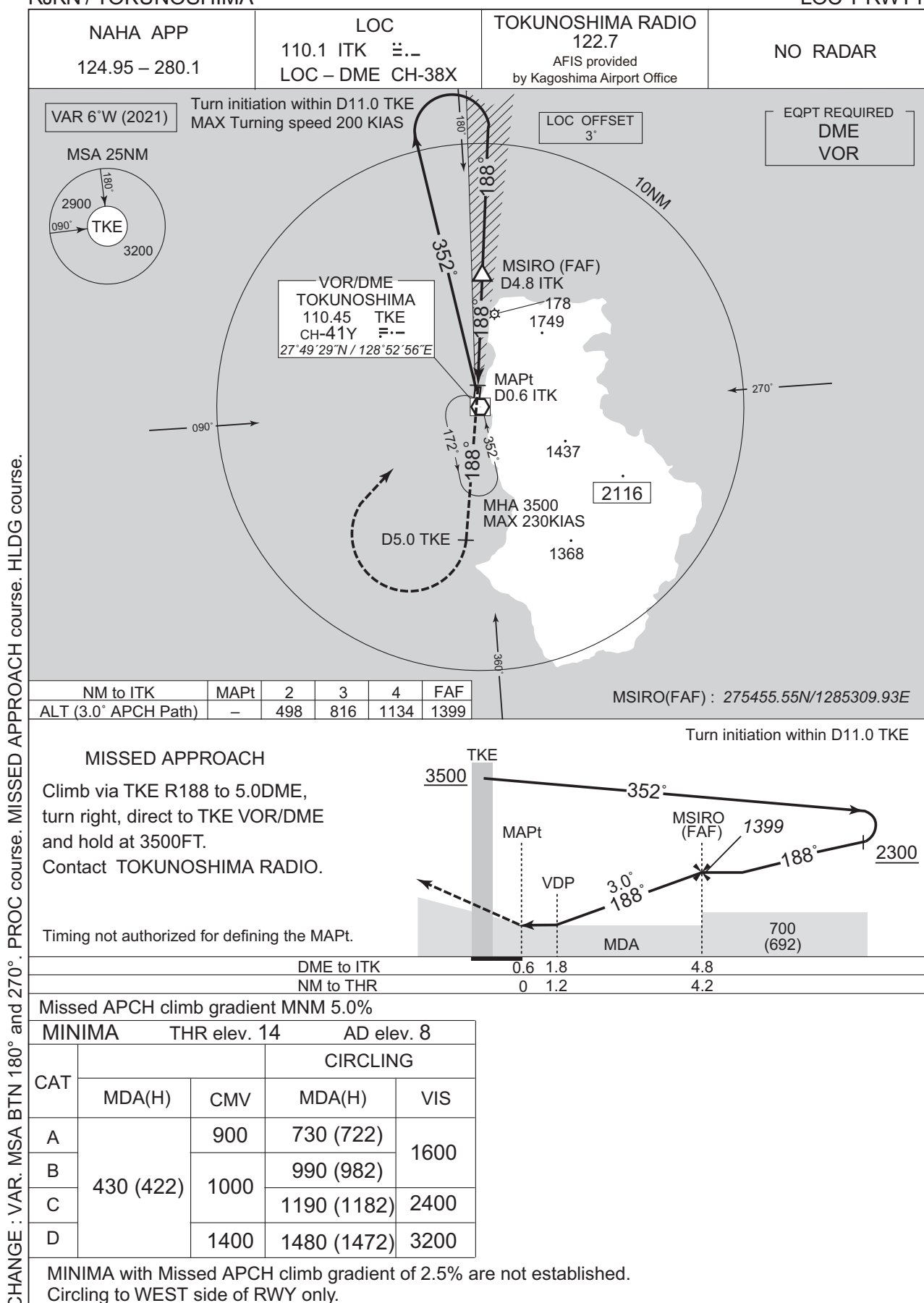
LOC Z RWY19



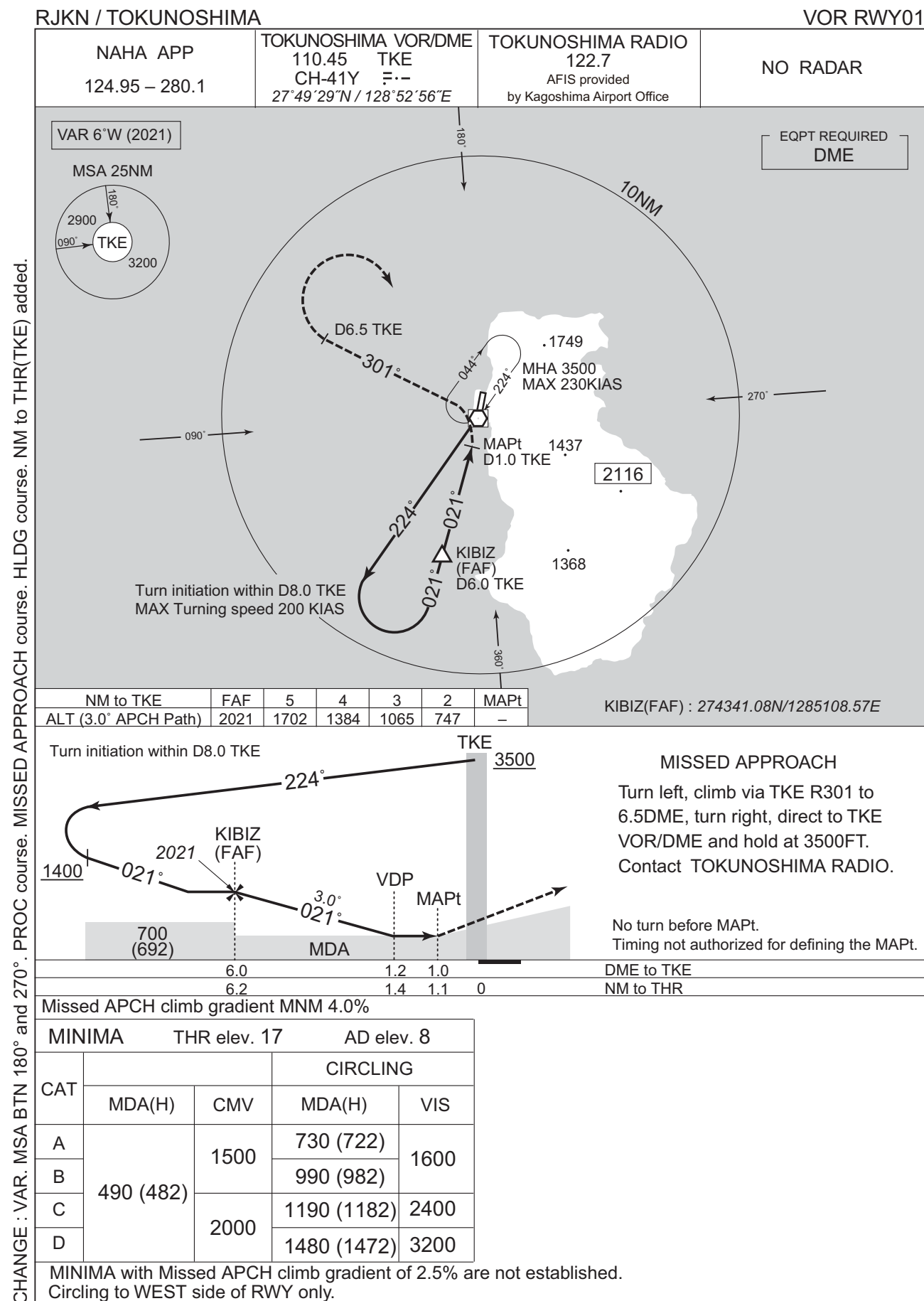
INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

LOC Y RWY19



INSTRUMENT APPROACH CHART

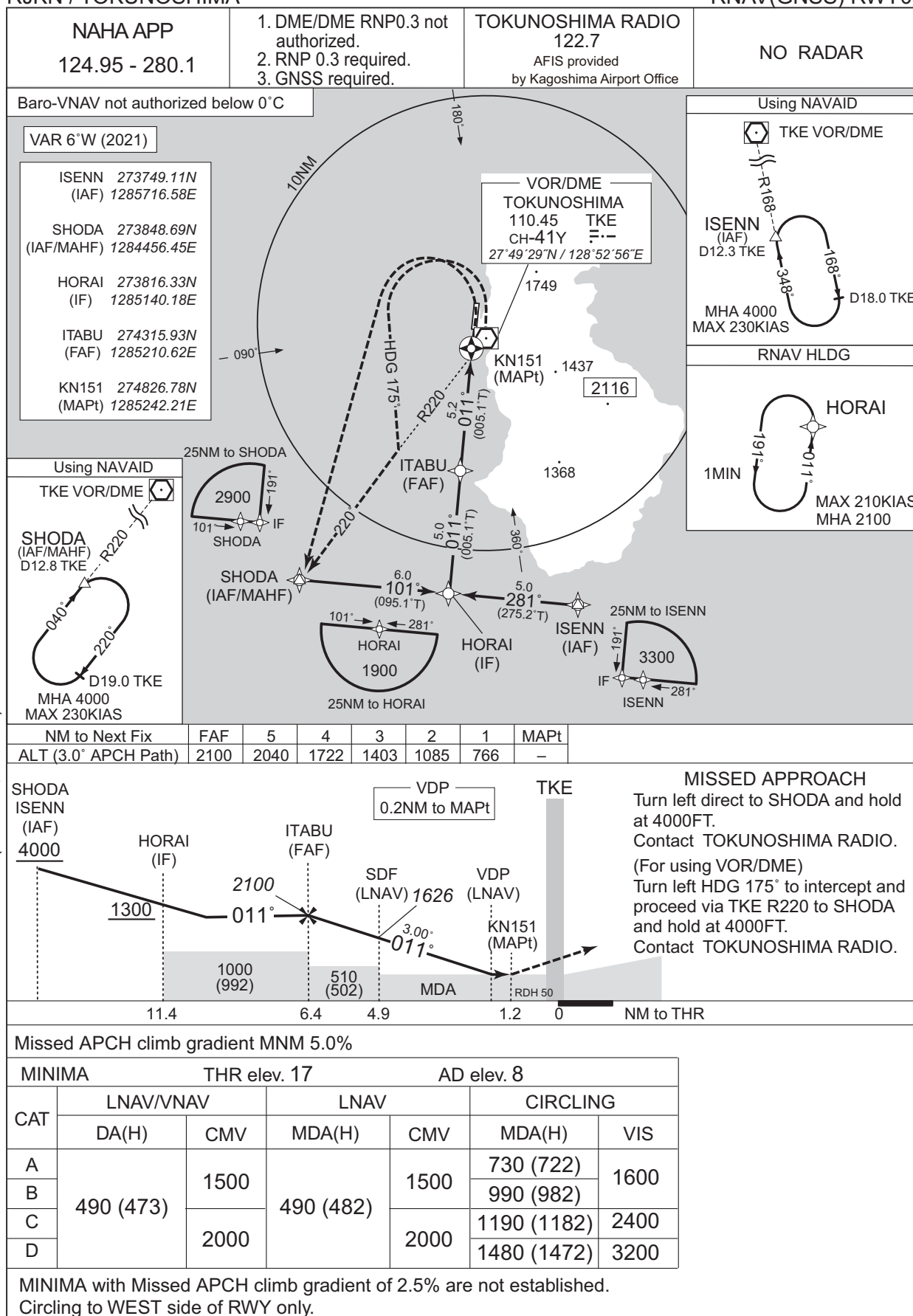


CHANGE : VAR. MSA BTN 180° and 270°. PROC course. MISSED APPROACH course. HLDG course. NM to THR(TKE) added.

INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

RNAV(GNSS) RWY01



CHANGE : MISSED APPROACH course. HLDG course(SHODA, ISENN).

RJKN / TOKUNOSHIMA

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 : VAR.

Call sign	BRG / DIST from ARP	Remarks
金見崎 Kanamizaki	055°T / 5.8NM	灯台 Lighthouse
与名間崎 Yonamazaki	011°T / 2.8NM	灯台 Lighthouse
亀徳港 Kametokuko	127°T / 9.5NM	漁港 Harbor
犬田布崎 Inutabuzaki	179°T / 6.8NM	白い大きな慰霊碑 Big white monument

RJKN / TOKUNOSHIMA

Minimum Vectoring Altitude CHART

