

**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, taxies
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: PCR 687/R/B/W/T Apron(for light ACFT) Surface: Asphalt-concrete, Strength : PCR 196/F/C/X/T
2	Taxiway width, surface and strength	T1, T2, P1 Width: 23m, Surface : Asphalt-concrete, Strength: PCR 616/F/C/X/T T3, P2 Width: 18m, Surface : Asphalt-concrete, Strength: PCR 196/F/C/X/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 <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /T <sub>r</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> , P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , 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(PCR) 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°	2000x45	PCR 616/F/C/X/T Asphalt-Concrete	Nil	THR ELEV : 17ft
19	186.12°	2000x45	PCR 616/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	45x150	RWY Grooving: 2000mx30m	
		2120x150	44x150		

**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	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 and center line lights installed, see AD2.9
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

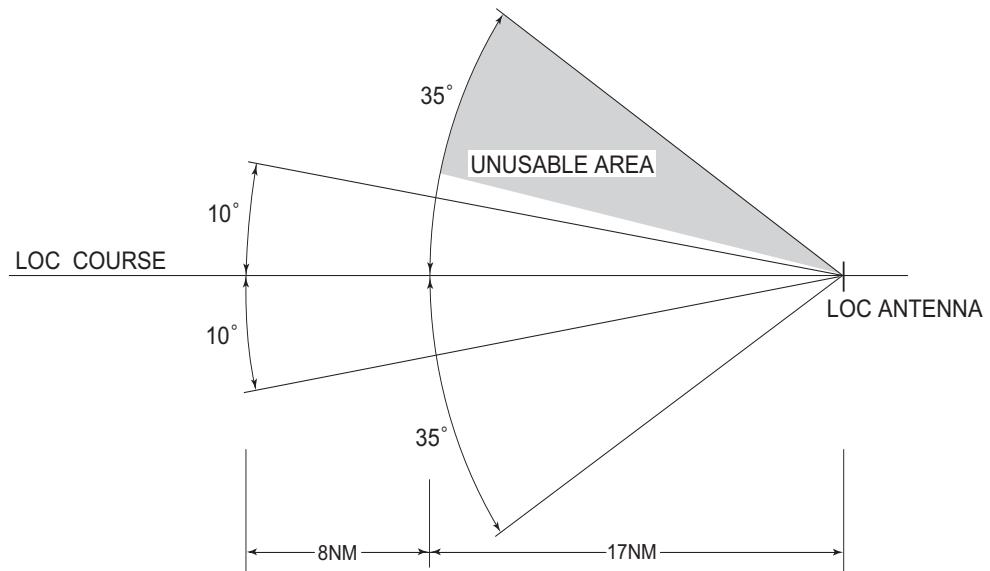
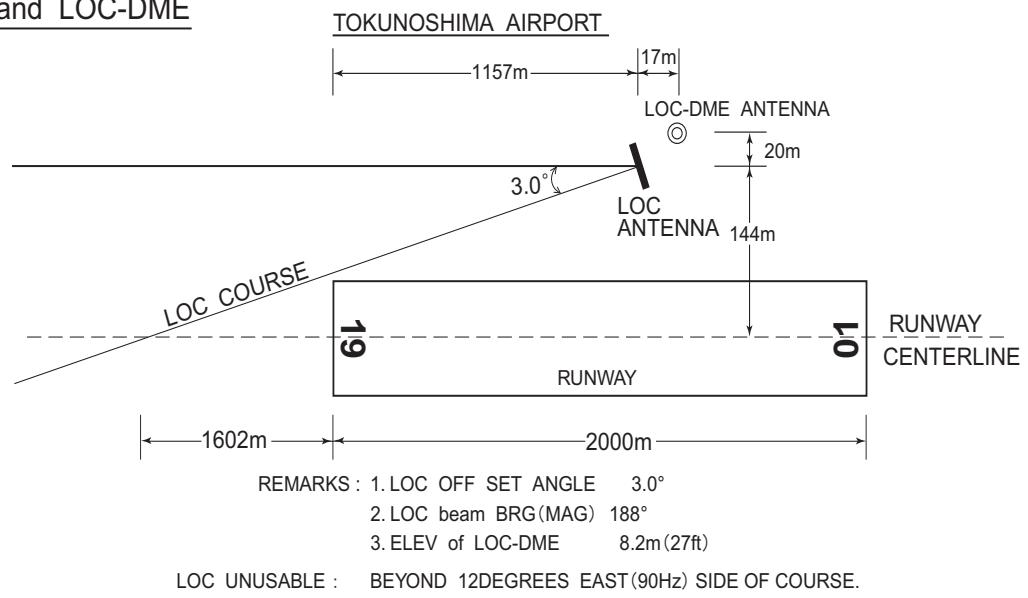
Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Tokunoshima Information Zone	Area within a radius of 5nm (9km) of Tokunoshima ARP	3,000 or below	E	TOKUNOSHIMA RADIO En	
Naha ACA	See ROAH attached chart		E	Naha APP En	

## RJKN AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	NAHA APPROACH	124.95MHz 280.1MHz	2330 - 1030	
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 12°east(90Hz) side of course.
LOC-DME 19	ITK	999MHz (CH-38X)	2330 - 1030	275005.01N/ 1285258.17E	27ft	DME : 826m (2710ft) inside FM RWY 01 THR, 164m (538ft) E of RCL.

LOC and LOC-DME

## 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****1.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							

**2.Lost communication procedures for arrival aircraft under radar navigational guidance**

If radio communications with Naha Approach are lost for one minute, squawk Mode A/3 Code 7600 and;

- 1) Contact Tokunoshima Radio.
- 2) If unable, proceed in accordance with Visual Flight Rules.
- 3) If unable, proceed to Tokunoshima VOR at the last assigned altitude, or 3,500 feet whichever is higher, and execute instrument approach.

NOTE: Procedures other than above will be issued when situation requires.

**RJKN AD 2.23 ADDITIONAL INFORMATION**

Nil
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**RJKN AD 2.24 CHARTS RELATED TO AN AERODROME**

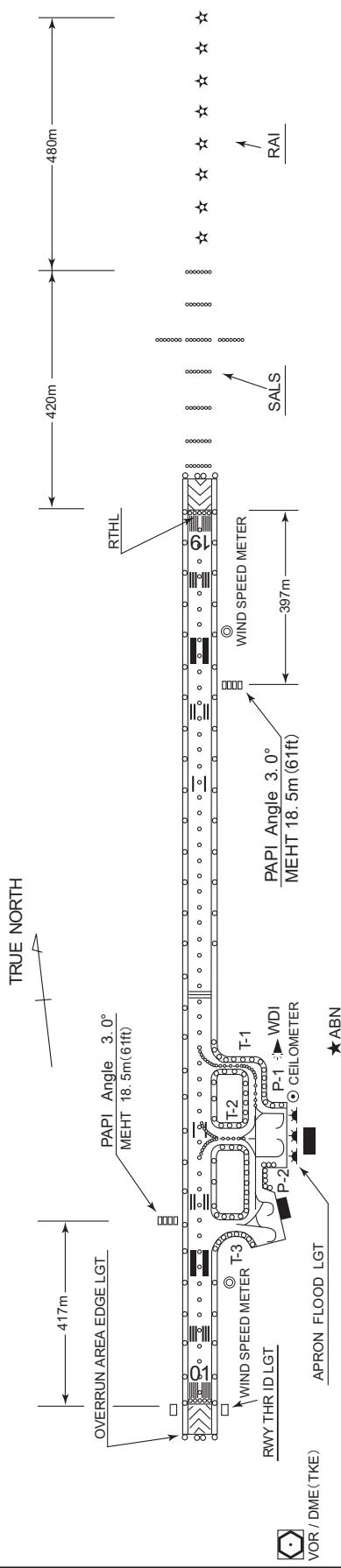
Aerodrome/Heliport Chart Standard Departure Chart - Instrument (TOKUNOSHIMA) Standard Departure Chart - Instrument (ANOXA-RNAV) Standard Departure Chart - Instrument (YUWAN-RNAV) Standard Arrival Chart - Instrument (SHODA-RNAV, ISENN-RNAV) Standard Arrival Chart - Instrument (TOROS NORTH, TOROS EAST-RNAV) 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 (RNP Z RWY 01) Instrument Approach Chart (RNP Y RWY 01 (AR)) Other Chart (Visual REP) Other Chart (MVA CHART)
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CHANGE: WIND SPEED METER, CEILOMETER added.

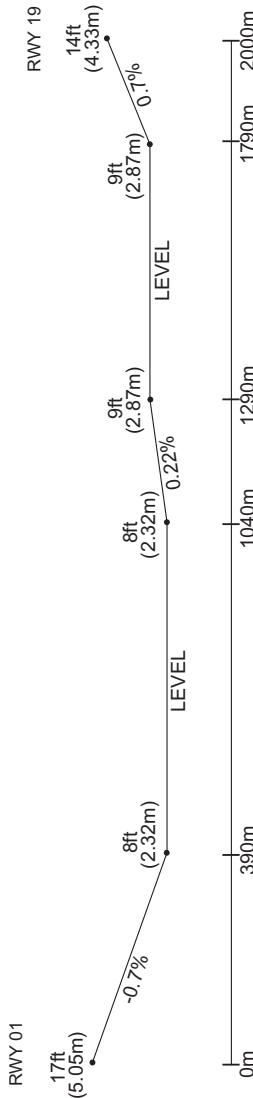
RJKN / TOKUNOSHIMA

AD CHART

TOKUNOSHIMA AP



LONGITUDINAL PROFILE OF RWY



REMARKS : RWY GROOVING  
WIDTH AND STRENGTH OF TWY  
T-1 30m x 2000m  
23m PCR 616 / F / C / X / T  
T-2 23m PCR 616 / F / C / X / T  
T-3 18m PCR 196 / F / C / X / T  
STRENGTH OF APRON PCR 687 / R / B / W / T  
(PCR 196 / F / C / X / T  
For Light ACFT APRON)

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 AME VOR/DME.

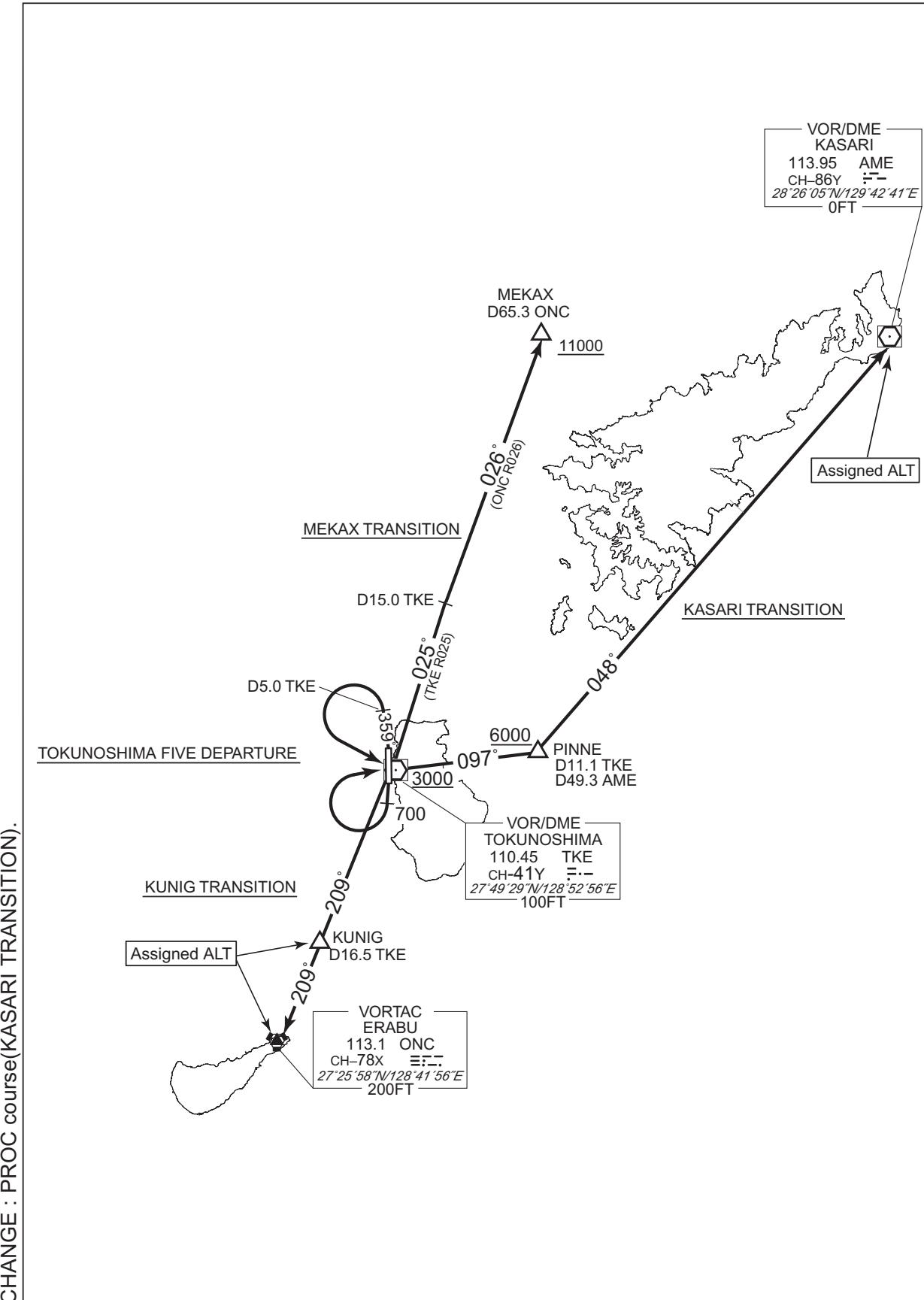
Cross PINNE at or above 6000FT, cross AME VOR/DME at assigned altitude.

CHANGE : PROC course(KASARI TRANSITION).

## STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

SID and TRANSITION



STANDARD DEPARTURE CHART -INSTRUMENT

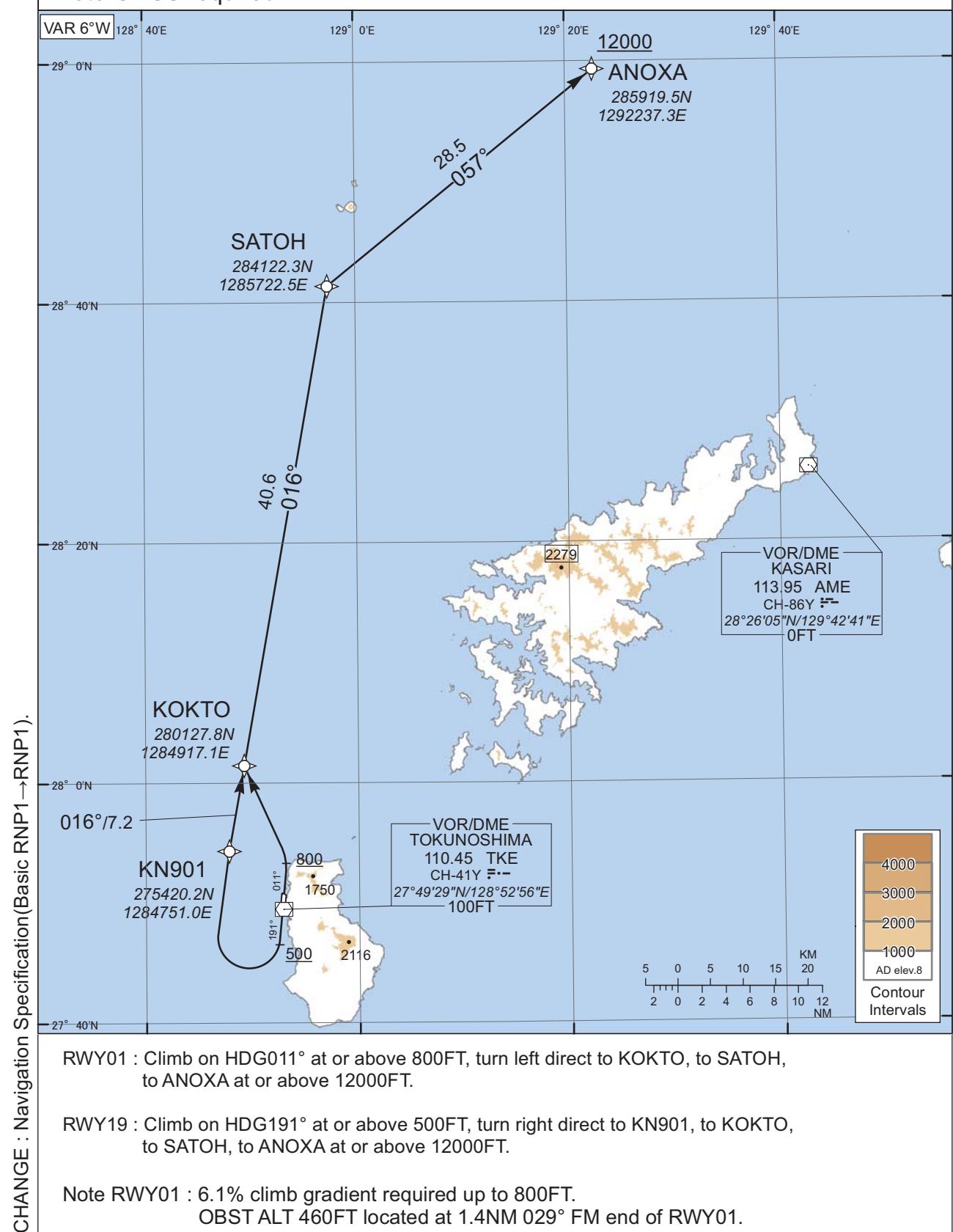
RJKN / TOKUNOSHIMA

RNAV SID

ANOXA TWO DEPARTURE

RNP1

Note GNSS required.



## 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	-	-	RNP1
002	DF	KOKTO	-	-	-6.1	-	L	-	-	-	RNP1
003	TF	SATOH	-	016 (010.1)	-6.1	40.6	-	-	-	-	RNP1
004	TF	ANOXA	-	057 (050.8)	-6.1	28.5	-	+12000	-	-	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	-	-	RNP1
002	DF	KN901	-	-	-6.1	-	R	-	-	-	RNP1
003	TF	KOKTO	-	016 (010.1)	-6.1	7.2	-	-	-	-	RNP1
004	TF	SATOH	-	016 (010.1)	-6.1	40.6	-	-	-	-	RNP1
005	TF	ANOXA	-	057 (050.8)	-6.1	28.5	-	+12000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

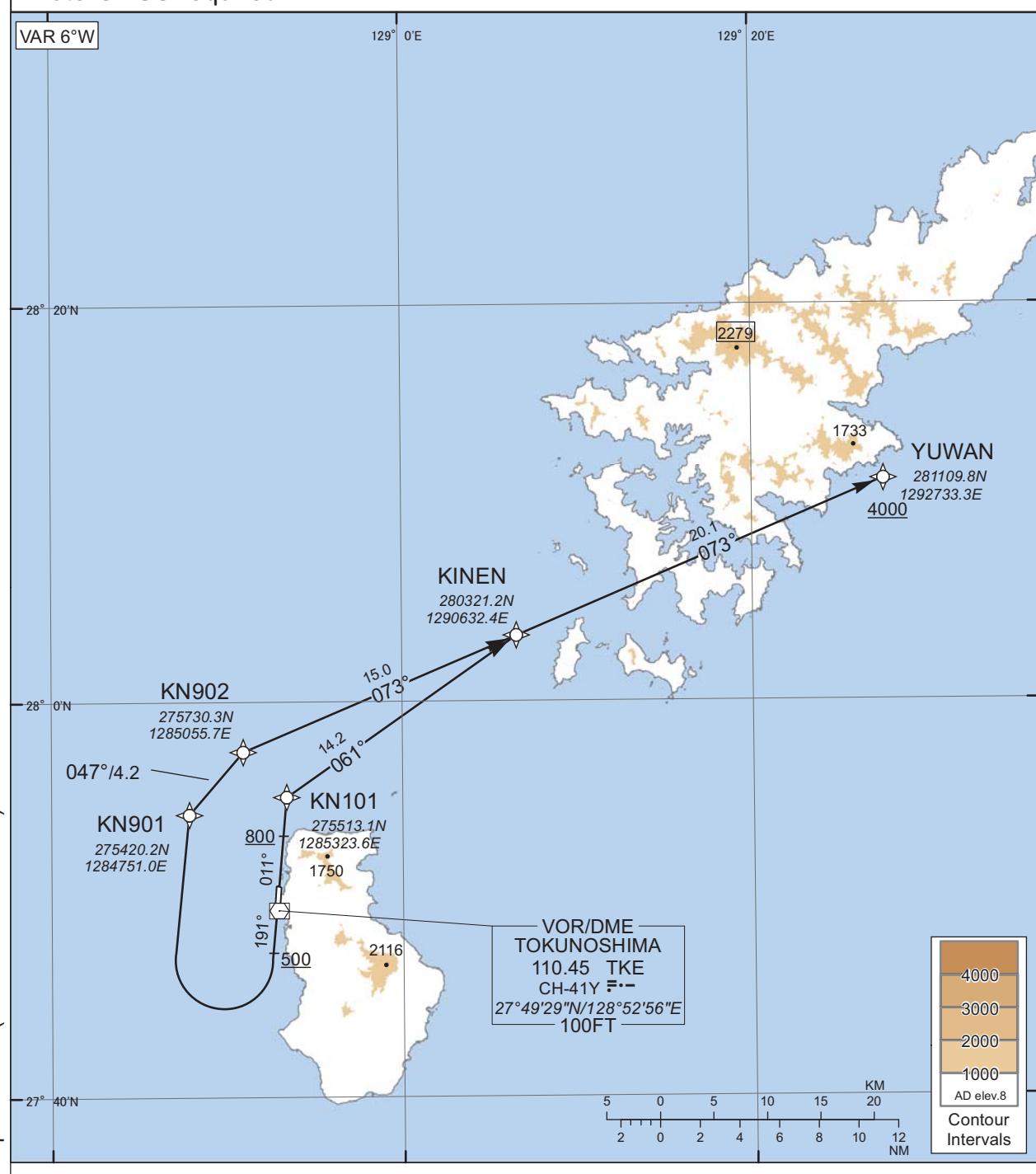
RJKN / TOKUNOSHIMA

RNAV SID

YUWAN TWO DEPARTURE

RNP1

Note GNSS required.



CHANGE : Navigation Specification(Basic RNP1→RNP1)

RWY01 : Climb on HDG011° at or above 800FT, direct to KN101, to KINEN, to YUWAN at or above 4000FT.

RWY19 : Climb on HDG191° at or above 500FT, turn right direct to KN901, to KN902, to KINEN, to YUWAN at or above 4000FT.

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

OBST ALT 460FT located at 1.4NM 029° FM end of RWY01.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV SID

YUWAN TWO DEPARTURE

## RWY01

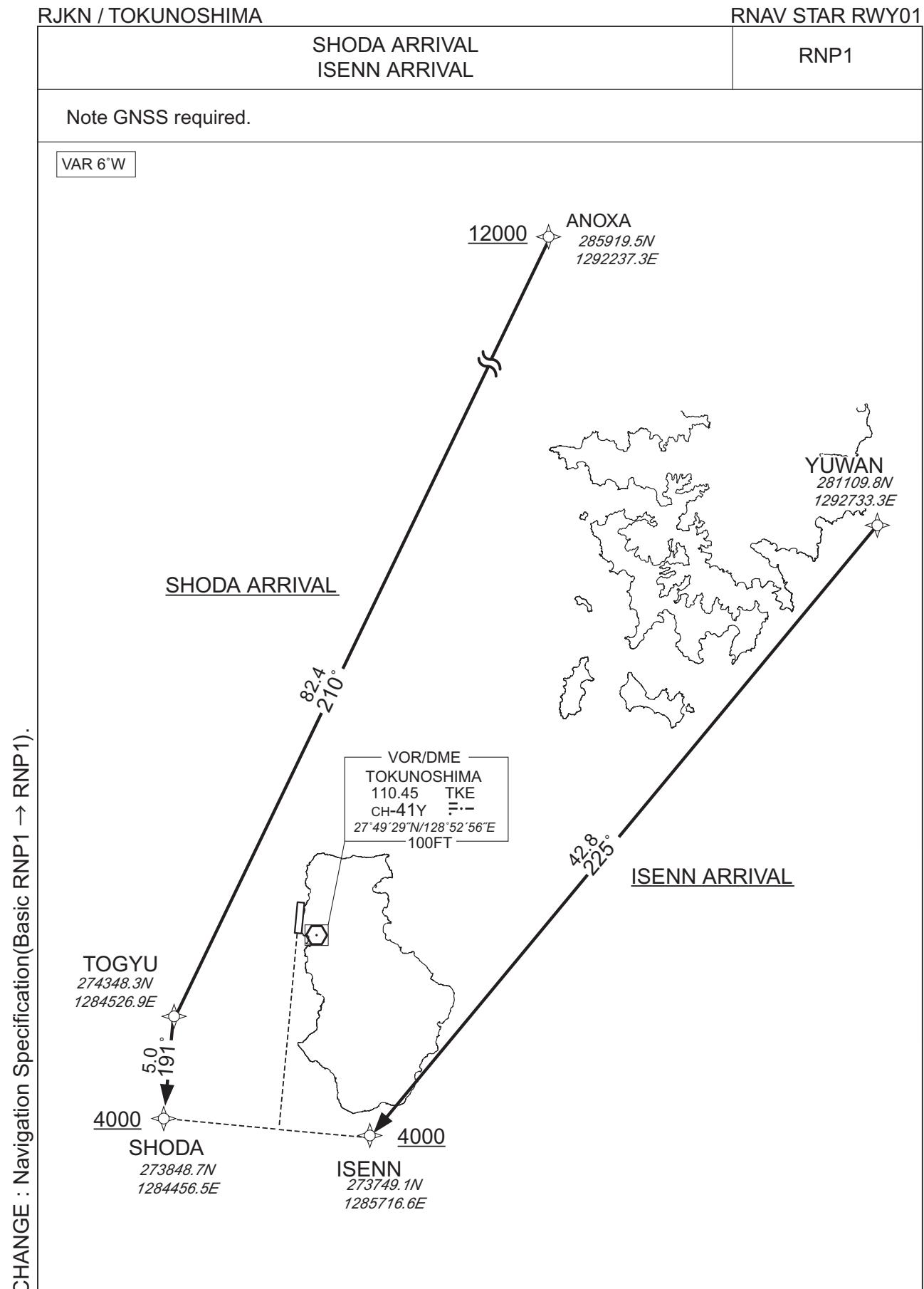
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	011 (005.1)	-6.1	-	-	+800	-	-	RNP1
002	DF	KN101	-	-	-6.1	-	-	-	-	-	RNP1
003	TF	KINEN	-	061 (054.9)	-6.1	14.2	-	-	-	-	RNP1
004	TF	YUWAN	-	073 (067.1)	-6.1	20.1	-	+4000	-	-	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	-	-	RNP1
002	DF	KN901	-	-	-6.1	-	R	-	-	-	RNP1
003	TF	KN902	-	047 (040.6)	-6.1	4.2	-	-	-	-	RNP1
004	TF	KINEN	-	073 (066.9)	-6.1	15.0	-	-	-	-	RNP1
005	TF	YUWAN	-	073 (067.1)	-6.1	20.1	-	+4000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → 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	-	-	-6.1	-	-	+12000	-	-	RNP1
002	TF	TOGYU	-	210 (203.6)	-6.1	82.4	-	-	-	-	RNP1
003	TF	SHODA	-	191 (185.1)	-6.1	5.0	-	+4000	-	-	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	-	-	-	-	-	RNP1
002	TF	ISENN	-	225 (218.9)	-6.1	42.8	-	+4000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

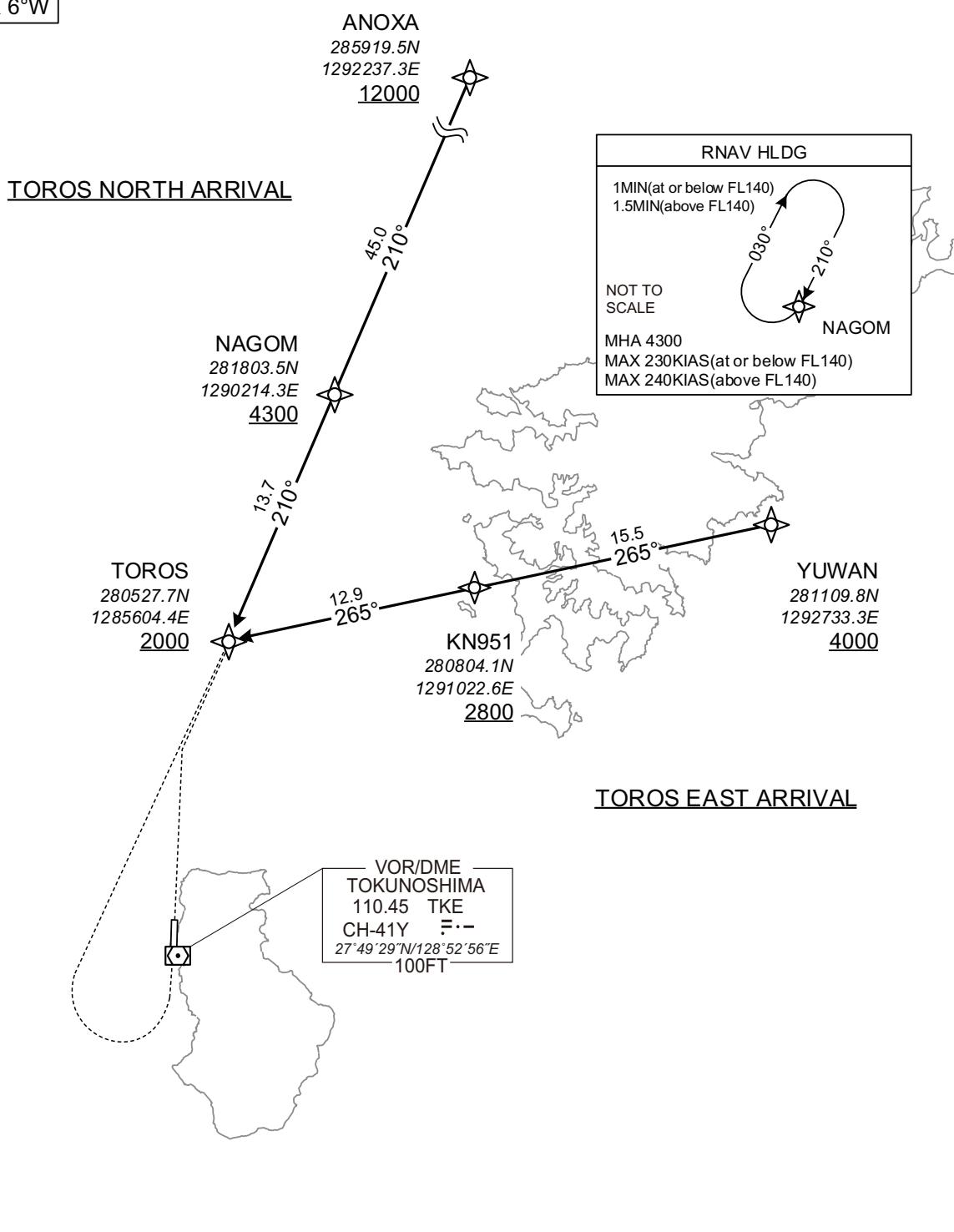
RNAV STAR

TOROS NORTH ARRIVAL  
TOROS EAST ARRIVAL

RNP1

Note GNSS required.

VAR 6°W



## STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR

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	-	-	-6.2	-	-	+12000	-	-	RNP1
002	TF	NAGOM	-	210 (203.5)	-6.2	45.0	-	+4300	-	-	RNP1
003	TF	TOROS	-	210 (203.4)	-6.2	13.7	-	+2000	-	-	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	-	-	-6.2	-	-	+4000	-	-	RNP1
002	TF	KN951	-	265 (258.5)	-6.2	15.5	-	+2800	-	-	RNP1
003	TF	TOROS	-	265 (258.4)	-6.2	12.9	-	+2000	-	-	RNP1

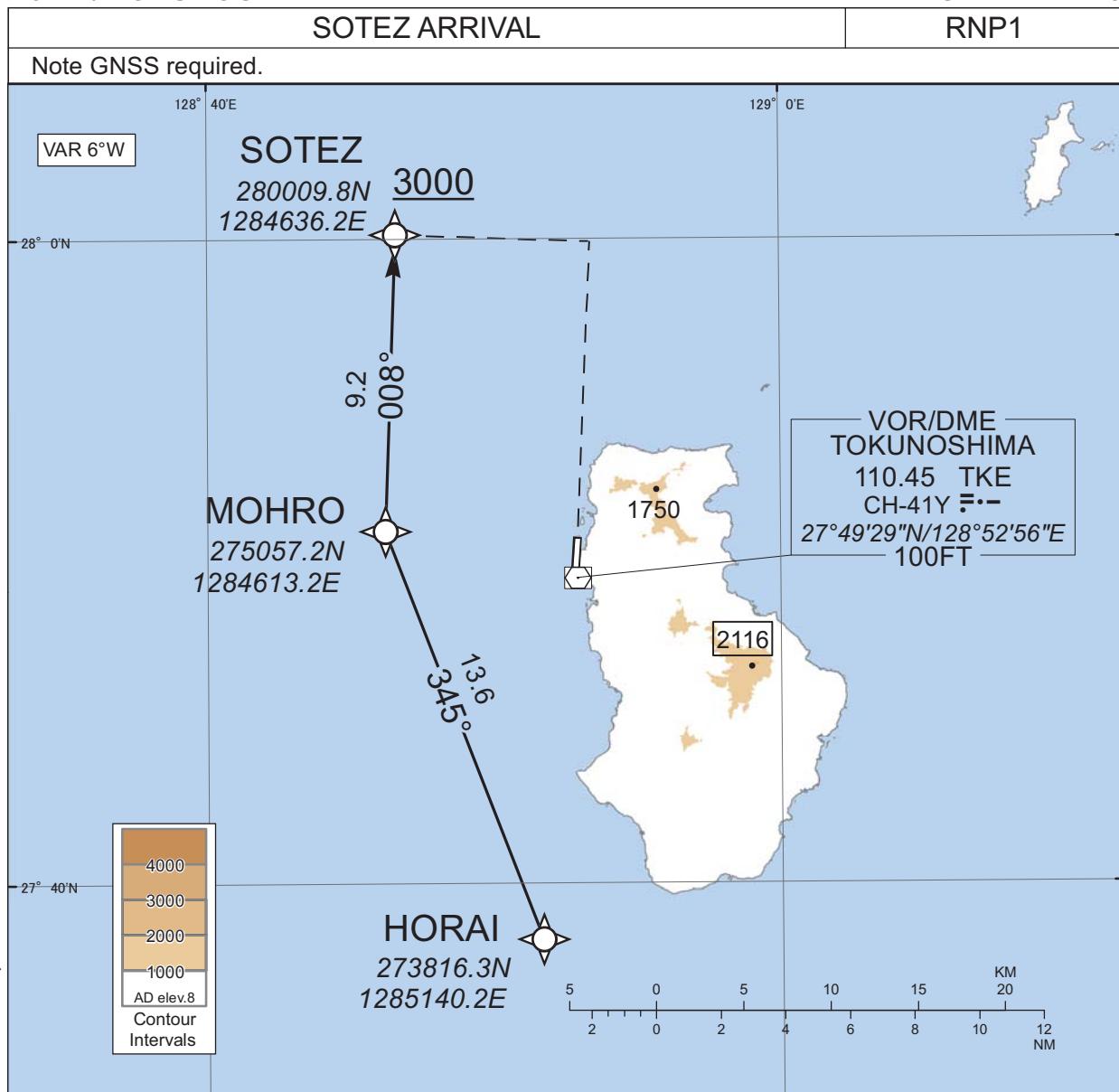
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	NAGOM	210 (203.4)	-6.2	1.0 (-14000) 1.5 (+14001)	R	4300	-	-230 (-14000) -240 (+14001)	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART - INSTRUMENT

RJKN / TOKUNOSHIMA

RNAV STAR RWY19



CHANGE : Navigation Specification(Basic RNP1→RNP1).

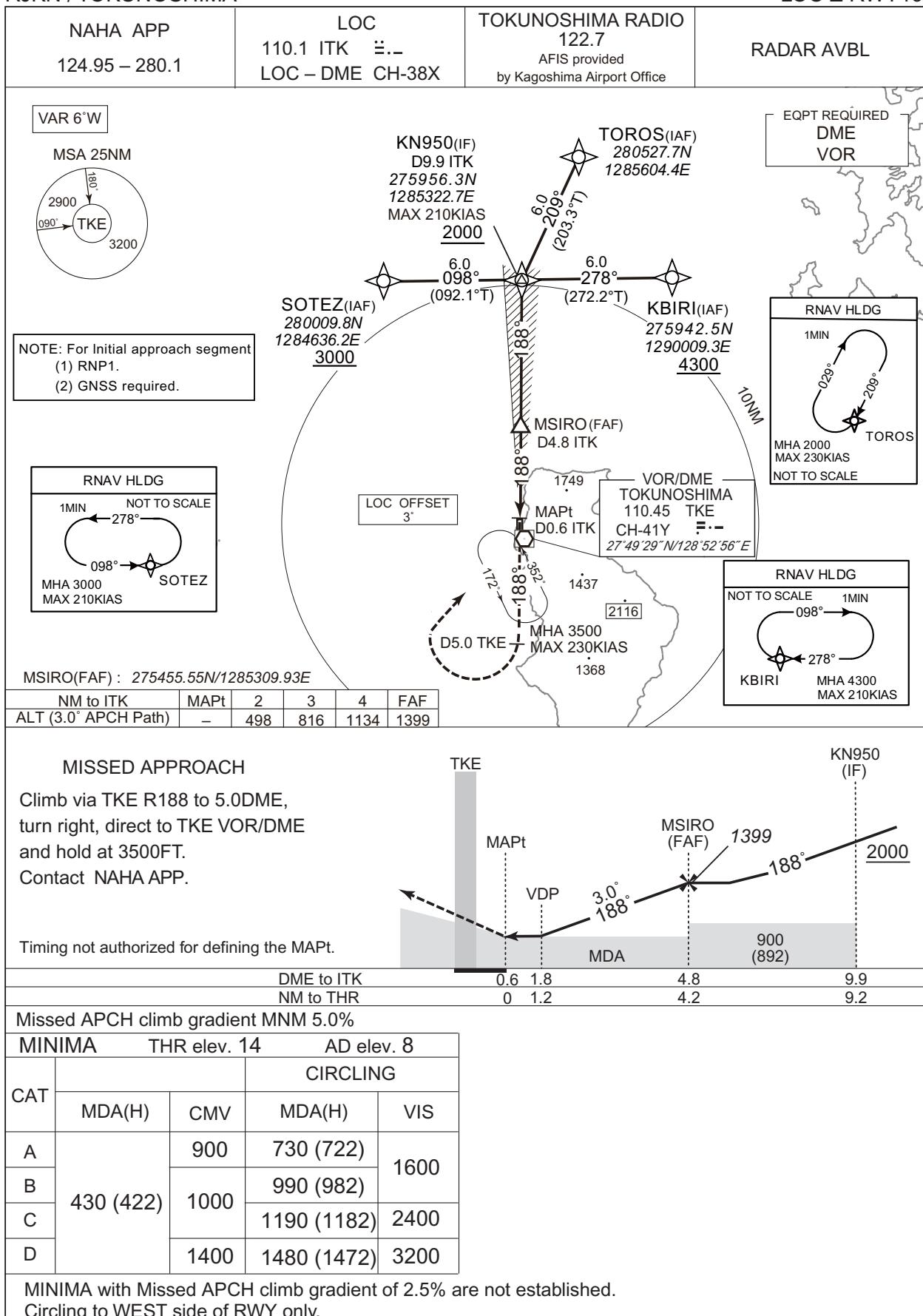
From HORAI, to MOHRO, to SOTEZ at or above 3000FT.

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	HORAI	-	-	-6.1	-	-	-	-	-	RNP1
002	TF	MOHRO	-	345 (339.2)	-6.1	13.6	-	-	-	-	RNP1
003	TF	SOTEZ	-	008 (002.1)	-6.1	9.2	-	+3000	-	-	RNP1

INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

LOC Z RWY19

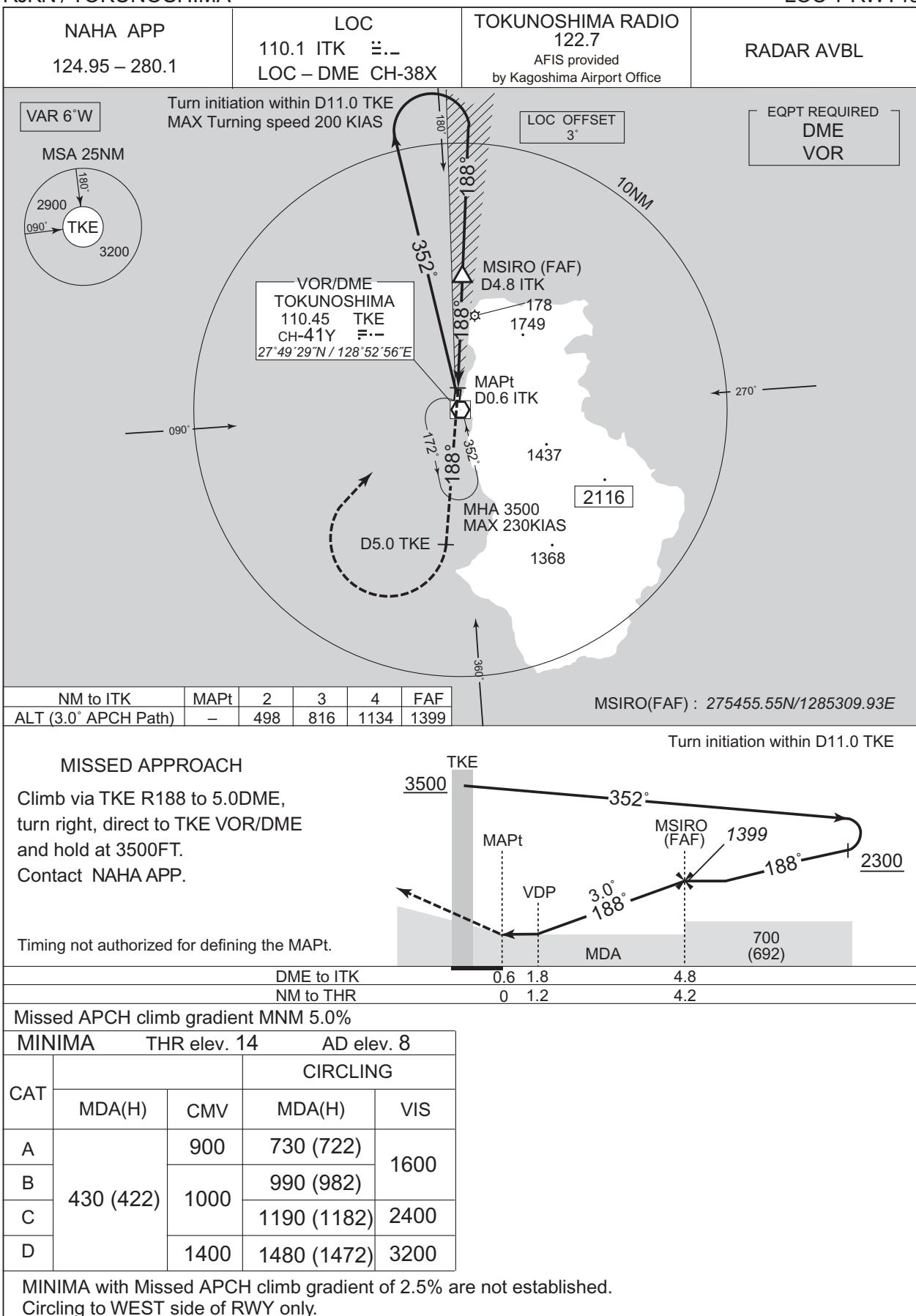


CHANGE : Navigation Specification(Basic RNP1 → RNP1).

## INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

LOC Y RWY19

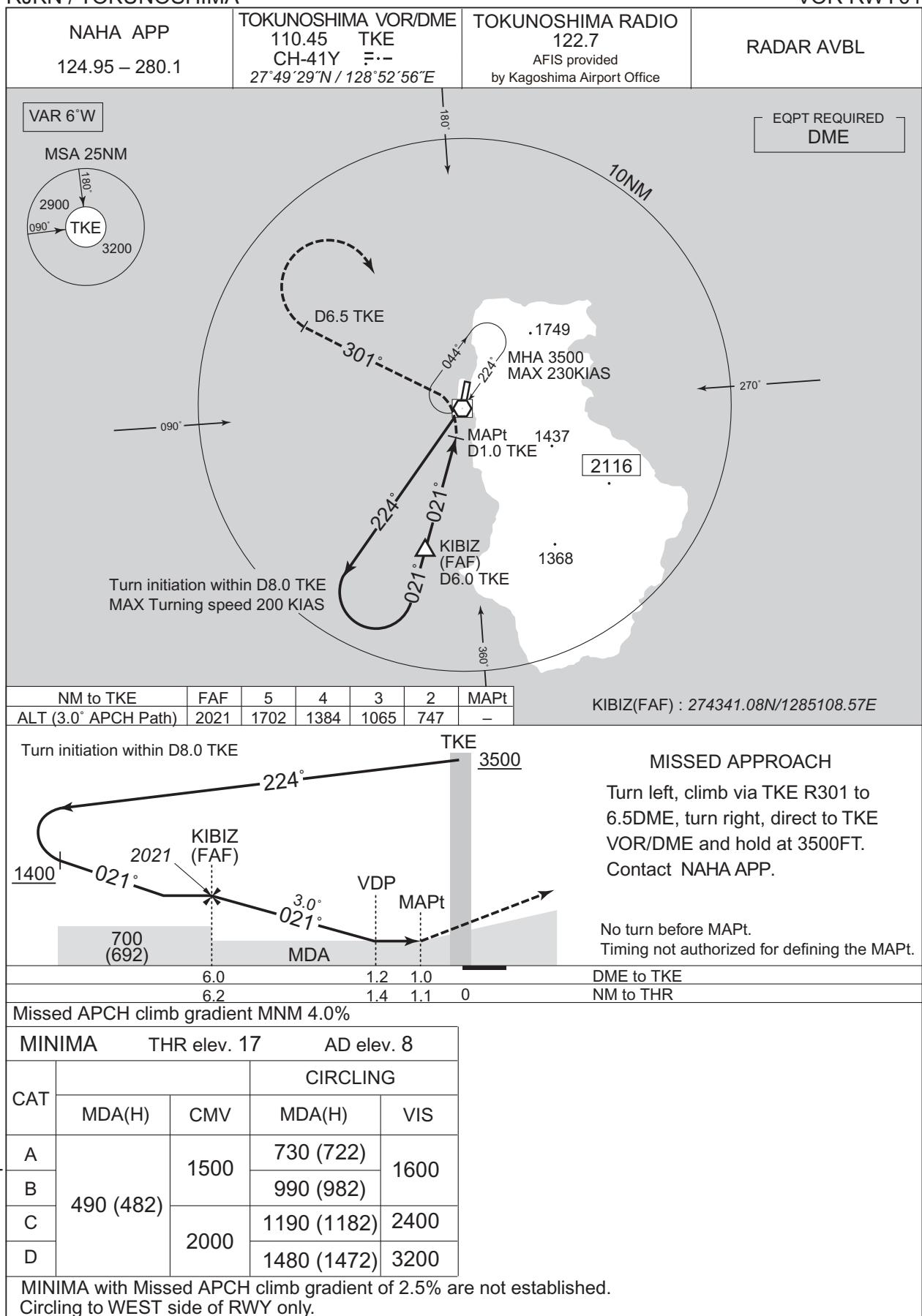


CHANGE : Description of RADAR Service, Missed APCH PROC.

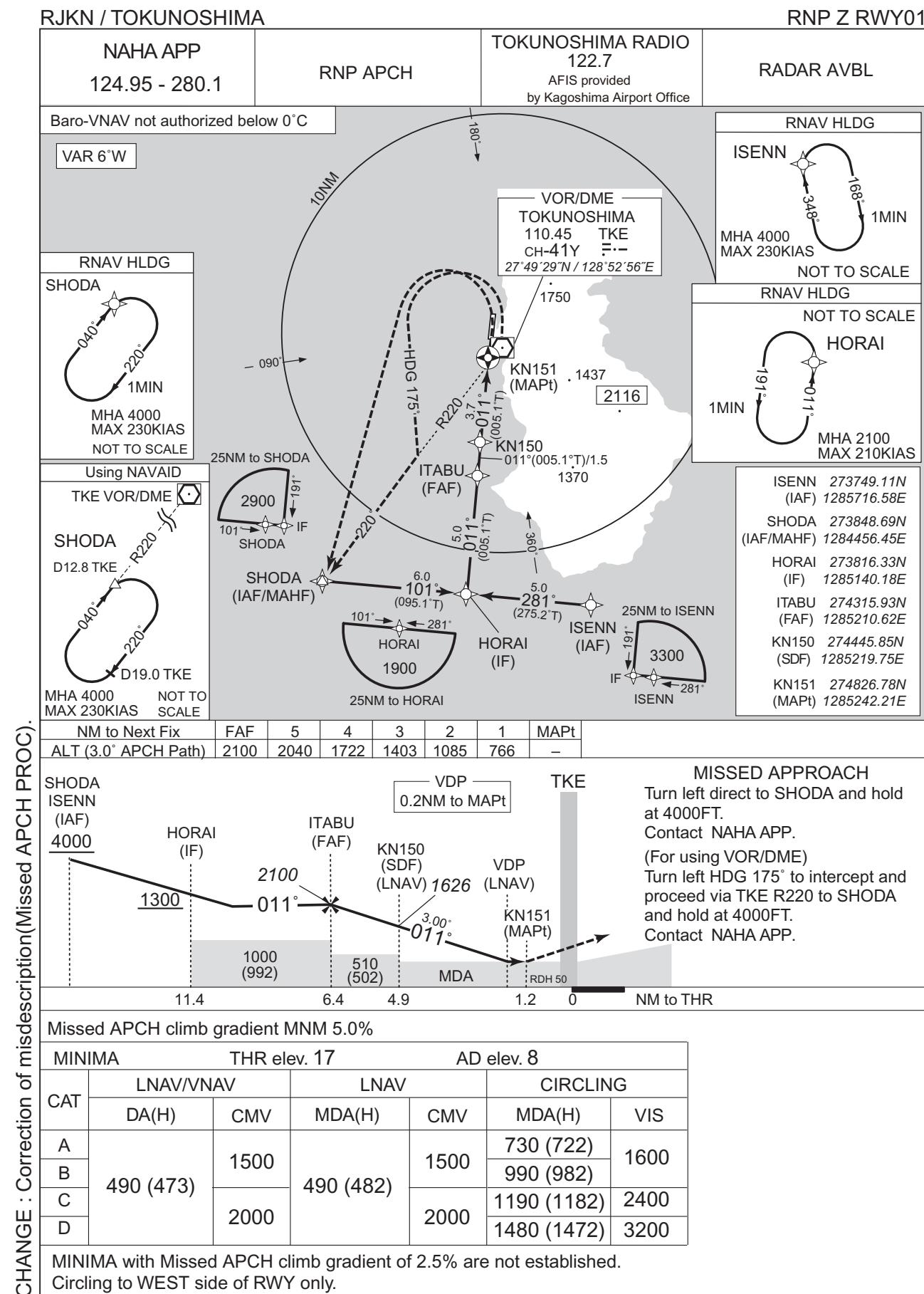
INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

VOR RWY01



## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

## RJKN / TOKUNOSHIMA

RNP Y RWY01(AR)

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C

**NAHA APP**  
124.95 - 280.1

**RNP AR**  
RF required.

**TOKUNOSHIMA RADIO**  
122.7  
AFIS provided by  
Kagoshima Airport Office

**RADAR AVBL**

**RNAV HLDG**  
1MIN  
MHA 2000 MAX 230KIAS  
NOT TO SCALE

**Using NAVID**  
MHA 3500 MAX 230KIAS  
NOT TO SCALE

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

**RNAV HLDG**  
1MIN  
MHA 3500 MAX 230KIAS  
NOT TO SCALE

**MISSED APPROACH**  
To KN155 on course 011°, turn left direct to TKE and hold at 3500FT. Contact NAHA APP.

**Missed APCH climb gradient MNM 5.0%**

MINIMA	THR elev. 17	AD elev. 8
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B		
C	656(639)	2000
D	-	-

**Authorization Required**

MINIMA with Missed APCH climb gradient of 2.5% are not established.

# Authorization Required

## INSTRUMENT APPROACH CHART

RJKN / TOKUNOSHIMA

RNP Y RWY01(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	TOROS	-	-	-6.2	-	-	+2000	-	-	-
002	TF	CHOJU	-	211 (205.2)	-6.2	9.3	-	-	-	-	1.0
003	TF	KN152	-	211 (205.1)	-6.2	9.6	-	-	-180	-	1.0
004	RF Center: KNRF1 r=2.59NM	KN153	-	-	-6.2	5.6	L	2000	-	-	1.0
005	RF Center: KNRF1 r=2.59NM	KN154	-	-	-6.2	3.5	L	900	-	-3.00	0.3
006	TF	RW01	Y	011 (005.1)	-6.2	2.6	-	67	-	-3.00/50	0.3
007	CF	KN155	Y	011 (005.1)	-6.2	4.9	-	-	-	-	1.0
008	DF	TKE	-	-	-6.2	-	L	3500	-	-	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	TOROS	209 (203.3)	-6.2	1.0 (-14000)	R	2000	FL140	-230(-14000)	1.0
Hold	TKE	224 (217.8)	-6.2	1.0 (-14000)	R	3500	FL140	-230(-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TOROS	280527.68N / 1285604.41E	KNRF1	274715.75N / 1284938.87E
CHOJU	275704.94N / 1285137.19E		
KN152	274822.20N / 1284700.16E		
KN153	274441.47N / 1285004.76E		
KN154	274701.73N / 1285233.57E		
RW01	274938.71N / 1285249.54E		
KN155	275429.43N / 1285319.15E		
TKE	274929.20N / 1285255.98E		

CHANGE : New PROC.

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	白い大きな慰靈碑 Big white monument

RJKN / TOKUNOSHIMA

Minimum Vectoring Altitude CHART

CHANGE : Shape of segment. Minimum vectoring altitude.

