

AD 2 AERODROMES

RJKA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJKA - AMAMI

RJKA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	282551N/1294245E 025° / 1.0km FM RWY 03 THR
2	Direction and distance from (city)	21.87km ENE from Amami city.
3	Elevation/ Reference temperature	14ft / 33°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 374-4, Kaneku, Nagahama, Wano, Kasari-cho, Amami-city, Kagoshima Pref. 894-0503 JAPAN. Tel:0997-63-0277 Fax:0997-63-2198
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

RJKA AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 - 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	2300 - 1030 Remarks: AFIS provided by Naha Airport Office.
8	Fuelling	2300 - 1030
9	Handling	2300 - 1030
10	Security	2300 - 1030
11	De-icing	Nil
12	Remarks	Nil

RJKA AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	All the modern institutions that deal with the weight thing to a MD81 type freighter.
2	Fuel/ oil types	JET A-1, AVGAS100
3	Fuelling facilities/ capacity	Fuelling facilities : Fuel truck x 1, Capacity : 4500l / h
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJKA AD 2.5 PASSENGER FACILITIES

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

RJKA 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

RJKA AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

RJKA AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface: cement-concrete, Strength: PCN 52/R/B/X/T
2	Taxiway width, surface and strength	T2, T3, T4 Width : 30m, Surface : Asphalt-concrete, Strength : PCN 42/F/A/X/T T1, T5 Width : :26.5m, Surface : Asphalt-concrete, Strength : PCN 42/F/A/X/T P3 Width : :23m, Surface : Asphalt-concrete, Strength : PCN 42/F/A/X/T & PCN 52/R/B/X/T P1, P2, P4 Width : :23m, Surface : Asphalt-concrete, Strength : PCN 42/F/A/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	Spot NR 1: 282556.91N1294235.33E 2: 282555.56N1294233.44E 3: 282554.10N1294232.64E 5: 282552.47N1294231.91E 6: 282550.93N1294232.34E 7: 282549.75N1294230.89E 8: 282548.65N1294230.29E
6	Remarks	Nil

RJKA 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: RWY 03/21 (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe (LGT) RCLL, REDL, RTHL, WBAR(RWY03), RENL, RTZL(RWY03) TWY: (Marking) TWY CL, RWY HLDG PSN(T1-T5), TWY side stripe (LGT) TWY edge LGT, TWY CL LGT, RWY guard LGT(T1-T5), Taxiing guidance sign(T1-T5)
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) APN flood LGT

RJKA AD 2.10 AERODROME OBSTACLES

In Area2 See Obstacle data

In Area3 To be developed

RJKA 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

RJKA 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
03	025.75°	2000×45	PCN 42/F/A/X/T Asphalt Concrete	Nil	THR ELEV: 27ft TDZ ELEV : 27ft
21	205.75°	2000×45	PCN 42/F/A/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		2120×300	189 × (MNM:153 MAX:298)*		RWY Grooving:2000×30m
		2120×300	41 × (MNM:218 MAX:252)* *For detail, ask airport administrator		

RJKA AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
03	2000	2000	2000	2000	Nil
21	2000	2000	2000	2000	Nil

RJKA 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
03	PALS (CAT I) 900m LIH	Green Green	PAPI 3.0°/LEFT 415m 61ft	900m	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	RED	Nil (*2)
21	SALS (*1) 360m LIH	Green Nil	PAPI 3.0°/LEFT 374m 61ft	Nil	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	RED	Nil (*2)
Remarks								
10								
SALS with APCH LGT beacon(600m and 900m FM RWY THR)(*1) Overrun area edge LGT(LEN:60m Color:Red)(*2)								

RJKA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: 282551N/1294222E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI : Nil Anemometer : RWY 03 : 330m FM RWY 03 THR, LGTD RWY 21 : 320m FM RWY 21 THR, LGTD
3	TWY edge and centerline lighting	TWY edge and center line lights installed, see AD 2.9
4	Secondary power supply/ switch-over time	Within 1sec: REDL, RENL, RTHL, WBAR, RCLL and Overrun area edge LGT Within 15sec: Other Lights
5	Remarks	WDI LGT

RJKA AD 2.16 HELICOPTER LANDING AREA

Nil

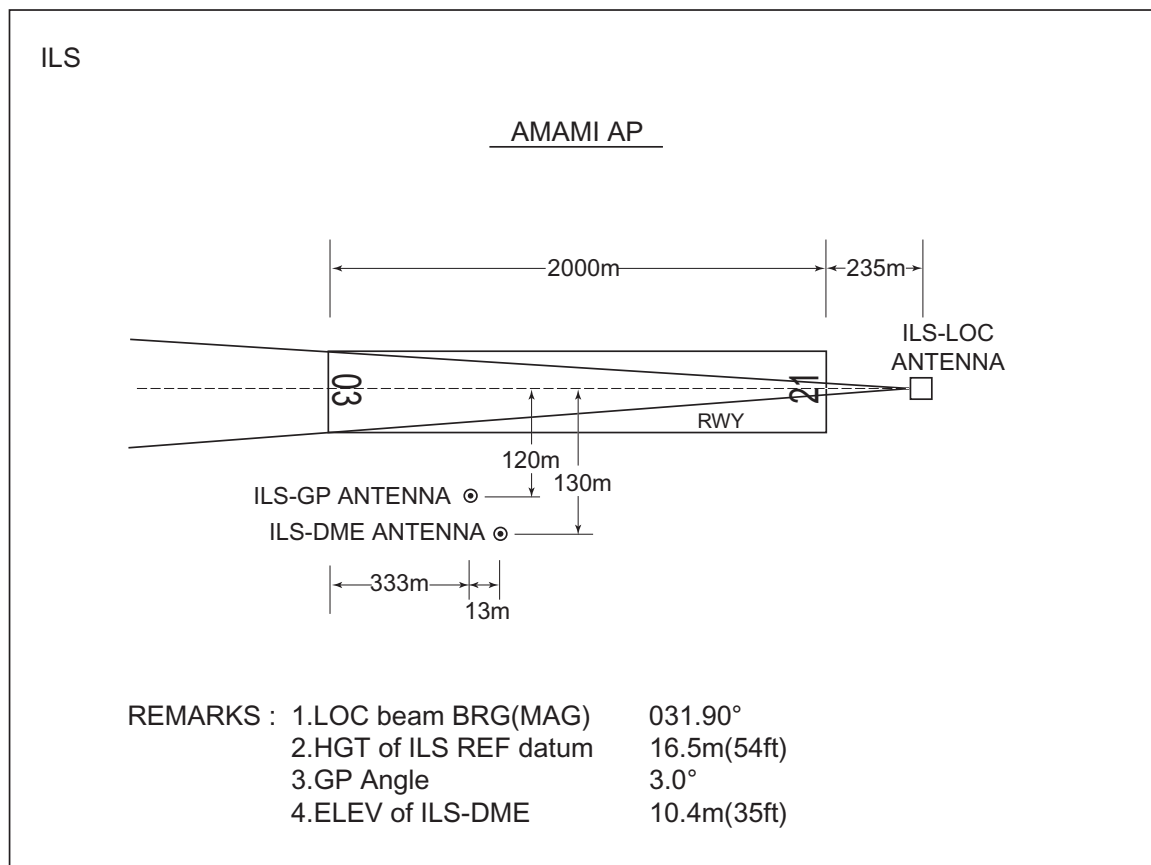
RJKA AD 2.17 ATS AIRSPACE

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

RJKA AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	AMAMI RADIO	118.15MHz(1) 126.2MHz	2300 - 1030	Operated by Naha Airport Office. (1)Primary

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 (6°W/2015)	AME	113.95MHz	H24	282604.98N 1294241.07E		VOR Unusable : 260°-280° beyond 20nm BLW 3000ft.
DME	AME	1047MHz (CH-86Y)	H24	282604.98N 1294241.07E	43ft	DME Unusable : 360°-010° beyond 20nm BLW 3000ft. 260°-280° beyond 15nm BLW 3000ft. 280°-300° beyond 20nm BLW 3000ft. 320°-360° beyond 20nm BLW 3000ft.
ILS-LOC 03	IAM	109.3MHz	2300 - 1030	282626.50N 1294305.06E		LOC: 235m (771ft) away FM RWY 21 THR, BRG (MAG) 031.90°
ILS-DME 03	IAM	991MHz	2300 - 1030	282529.47N 1294238.89E	35ft	DME: 346m (1135ft) inside FM RWY 03 THR, 130m (427ft) SE of RCL.
ILS-GP 03	-	332.0MHz	2300 - 1030	282529.21N 1294238.44E		GP: 333m (1093ft) inside FM RWY 03 THR, 120m (394ft) SE of RCL. GP Angle 3.0°, HGT of ILS Ref datum 16.5m (54ft).
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based.



RJKA AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

PPR for transient ACFT to use this AP.
--

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

RJKA AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJKA 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	03	A, B, C, D	400	400	400	400	-	500
	21	A, B, C, D	-	400	-	400	-	500
OTHER	03	A, B, C, D	AVBL LDG MINIMA					
	21							

RJKA AD 2.23 ADDITIONAL INFORMATION

Nil

RJKA AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
 Standard Departure Chart - Instrument (RURIK-RNAV)
 Standard Departure Chart - Instrument (USAGI EAST-RNAV)
 Standard Departure Chart - Instrument (YUWAN-RNAV)
 Standard Departure Chart - Instrument (MUCHA-RNAV)
 Standard Departure Chart - Instrument (IKEJI-RNAV)
 Standard Departure Chart - Instrument (PINNE, ERABU)
 Standard Departure Chart - Instrument (KASARI REVERSAL, POMAS)
 Standard Arrival Chart-Instrument (KANAH SOUTH, TUMGI-RNAV)
 Standard Arrival Chart-Instrument (KANAH NORTH, YUWAN NORTH-RNAV)
 Instrument Approach Chart (ILS Z or LOC Z RWY03)
 Instrument Approach Chart (ILS Y or LOC Y RWY03)
 Instrument Approach Chart (VOR RWY03)
 Instrument Approach Chart (VOR RWY21)
 Instrument Approach Chart (RNAV(GNSS) Z RWY21)
 Instrument Approach Chart (RNAV(RNP) RWY03)
 Instrument Approach Chart (RNAV(RNP) Y RWY21)
 Other Chart (VISUAL REP)
 Other Chart (MVA CHART)

INTENTIONALLY LEFT BLANK

RJKA / AMAMI

AD CHART



STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

RURIK TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6°W (2021)



RURIK TWO DEPARTURE

RWY03 : Climb on HDG032° at or above 500FT, direct to RURIK at or above 7000FT.

RWY21 : Climb on HDG212° at or above 500FT, turn left direct to KA102 at or above 4000FT, to RURIK at or above 7000FT.

NOTE RWY21 : 5.0% climb gradient required up to 500FT.

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

RURIK TWO DEPARTURE

RWY 03

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	—	—	032 (025.8)	-6.2	—	—	+500	—	—	Basic RNP1
002	DF	RURIK	—	—	-6.2	—	—	+7000	—	—	Basic RNP1

RWY 21

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	—	—	212 (205.8)	-6.2	—	—	+500	—	—	Basic RNP1
002	DF	KA102	—	—	-6.2	—	L	+4000	—	—	Basic RNP1
003	TF	RURIK	—	028 (022.2)	-6.2	53.2	—	+7000	—	—	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

USAGI EAST TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6°W (2021)



USAGI EAST TWO DEPARTURE

RWY03 : Climb on HDG032° at or above 500FT, turn right direct to KA302 at or above 5000FT, to POMAS at or above 6000FT.

RWY21 : Climb on HDG212° at or above 500FT, turn left direct to KA102 at or above 4000FT, to KA103 at or above 5000FT, to POMAS at or above 6000FT.

NOTE RWY21 : 5.0% climb gradient required up to 500FT.

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

USAGI EAST TWO DEPARTURE

RWY 03

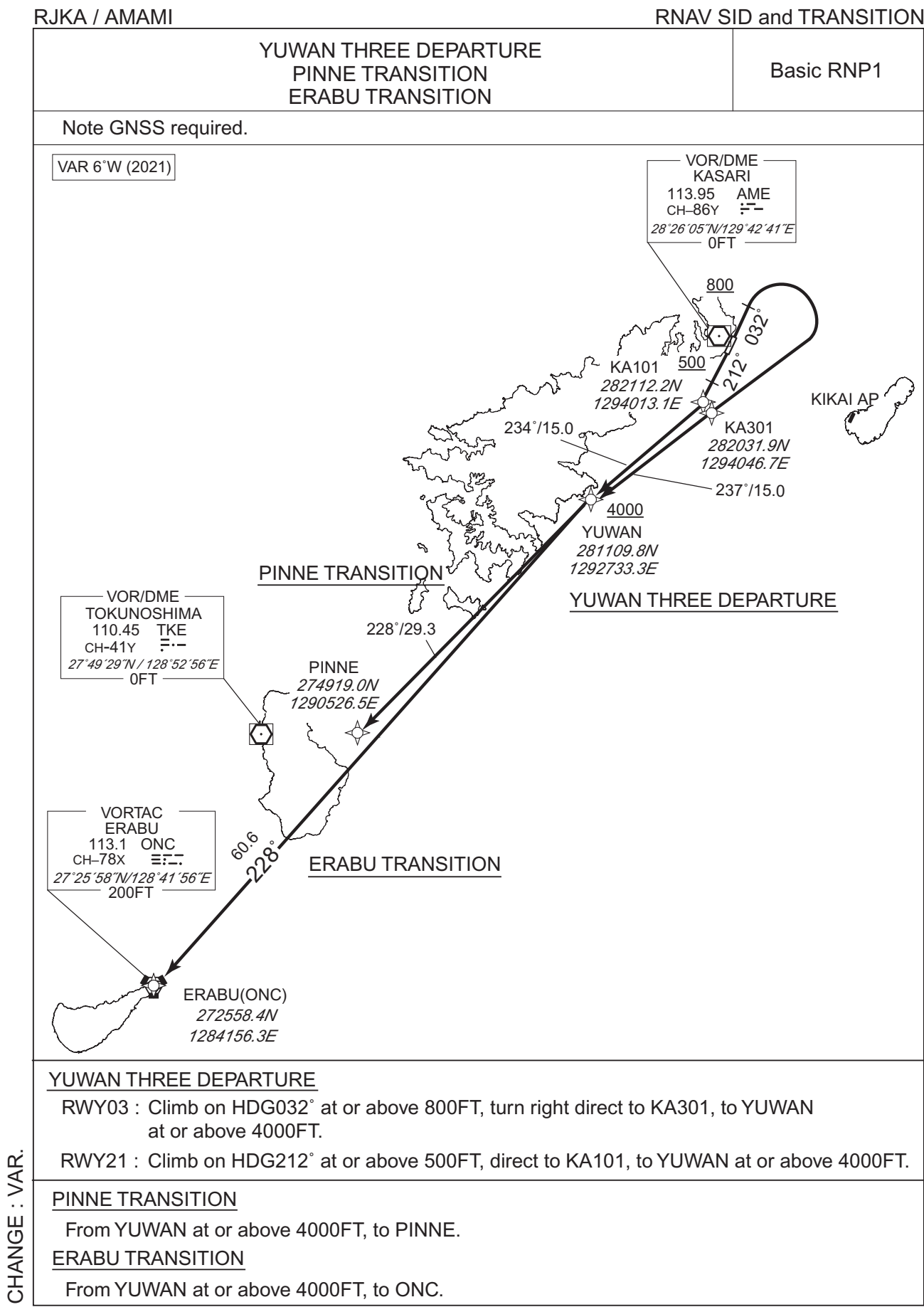
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	032 (025.8)	-6.2	—	—	+500	—	—	Basic RNP1
002	DF	KA302	—	—	-6.2	—	R	+5000	—	—	Basic RNP1
003	TF	POMAS	—	095 (088.7)	-6.2	6.7	—	+6000	—	—	Basic RNP1

RWY 21

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	—	—	212 (205.8)	-6.2	—	—	+500	—	—	Basic RNP1
002	DF	KA102	—	—	-6.2	—	L	+4000	—	—	Basic RNP1
003	TF	KA103	—	091 (084.8)	-6.2	11.1	—	+5000	—	—	Basic RNP1
004	TF	POMAS	—	091 (084.9)	-6.2	5.5	—	+6000	—	—	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID and TRANSITION

YUWAN THREE DEPARTURE

RWY 03

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	—	—	032 (025.8)	-6.2	—	—	+800	—	—	Basic RNP1
002	DF	KA301	—	—	-6.2	—	R	—	—	—	Basic RNP1
003	TF	YUWAN	—	237 (231.2)	-6.2	15.0	—	+4000	—	—	Basic RNP1

RWY 21

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	—	—	212 (205.8)	-6.2	—	—	+500	—	—	Basic RNP1
002	DF	KA101	—	—	-6.2	—	—	—	—	—	Basic RNP1
003	TF	YUWAN	—	234 (228.1)	-6.2	15.0	—	+4000	—	—	Basic RNP1

PINNE TRANSITION

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	—	—	Basic RNP1
002	TF	PINNE	—	228 (221.9)	-6.2	29.3	—	—	—	—	Basic RNP1

ERABU TRANSITION

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	—	—	Basic RNP1
002	TF	ONC	—	228 (221.9)	-6.2	60.6	—	—	—	—	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

MUCHA ONE DEPARTURE

Basic RNP1

Note GNSS required.



MUCHA ONE DEPARTURE

RWY03 : Climb on HDG032° at or above 500FT, turn right direct to MUCHA at or above 3000FT.

RWY21 : Climb on HDG212° at or above 500FT, turn left direct to MUCHA at or above 3000FT.

MUCHA ONE DEPARTURE

RWY03

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	-	-	032 (025.8)	-6.2	-	-	+500	-	-	Basic RNP1
002	DF	MUCHA	-	-	-6.2	-	R	+3000	-	-	Basic RNP1

RWY21

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	-	-	212 (205.8)	-6.2	-	-	+500	-	-	Basic RNP1
002	DF	MUCHA	-	-	-6.2	-	L	+3000	-	-	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

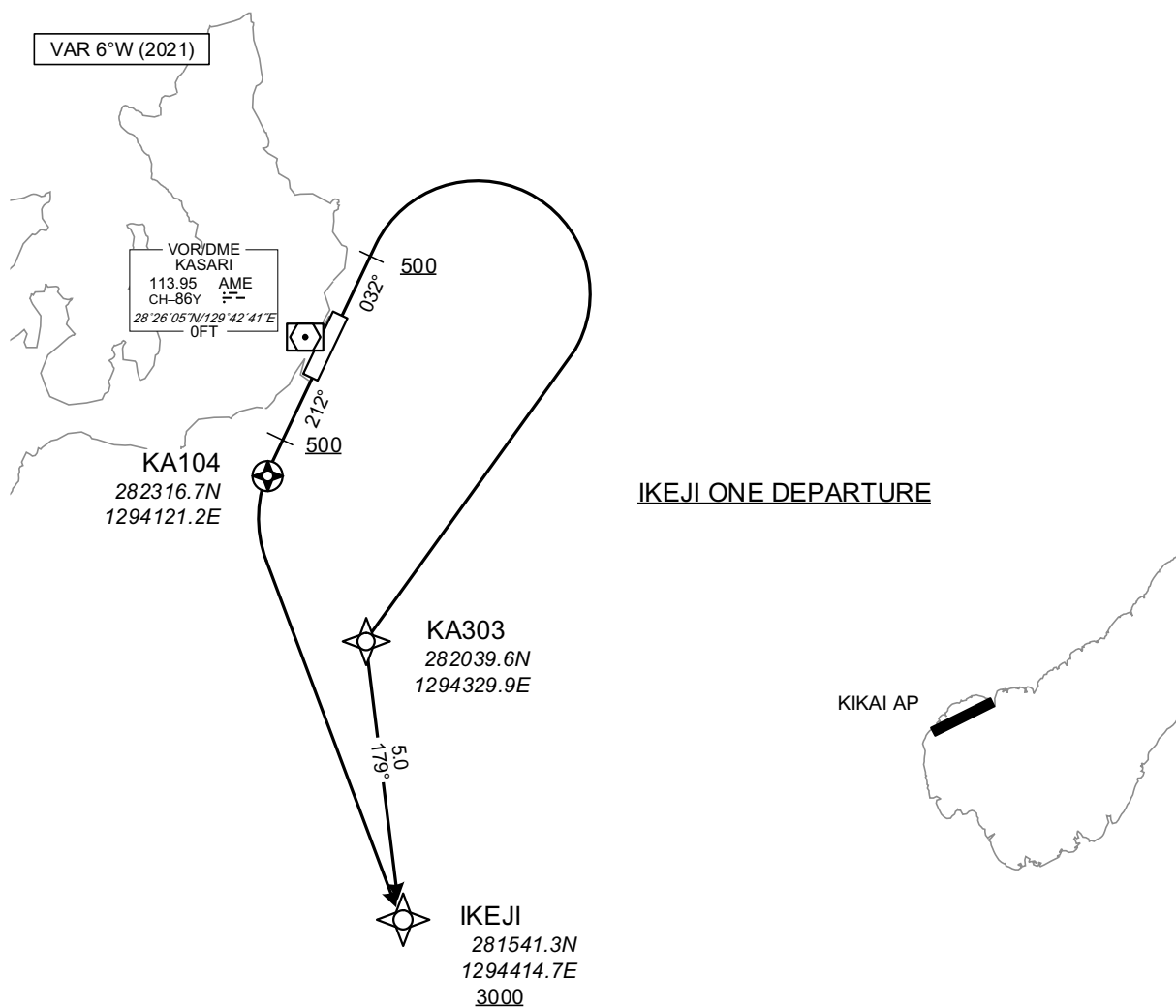
RJKA / AMAMI

RNAV SID

IKEJI ONE DEPARTURE

Basic RNP1

Note GNSS required.

IKEJI ONE DEPARTURE

RWY03 : Climb on HDG032° at or above 500FT, turn right direct to KA303, to IKEJI at or above 3000FT.

RWY21 : Climb on HDG212° at or above 500FT, direct to KA104, turn left direct to IKEJI at or above 3000FT.

NOTE RWY03 : 5.0% climb gradient required up to 500FT.

RWY21 : 5.0% climb gradient required up to 500FT.

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

RNAV SID

IKEJI ONE DEPARTURE

RWY03

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	-	-	032 (025.8)	-6.2	-	-	+500	-	-	Basic RNP1
002	DF	KA303	-	-	-6.2	-	R	-	-	-	Basic RNP1
003	TF	IKEJI	-	179 (172.5)	-6.2	5.0	-	+3000	-	-	Basic RNP1

RWY21

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	-	-	212 (205.8)	-6.2	-	-	+500	-	-	Basic RNP1
002	DF	KA104	Y	-	-6.2	-	-	-	-	-	Basic RNP1
003	DF	IKEJI	-	-	-6.2	-	L	+3000	-	-	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

SID

PINNE FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 700FT, turn right HDG273° to intercept and proceed...

RWY 21 : Climb RWY HDG to AME 3.0DME, turn right,...

... via AME R228 to PINNE.

Cross PINNE at or above 6000FT.

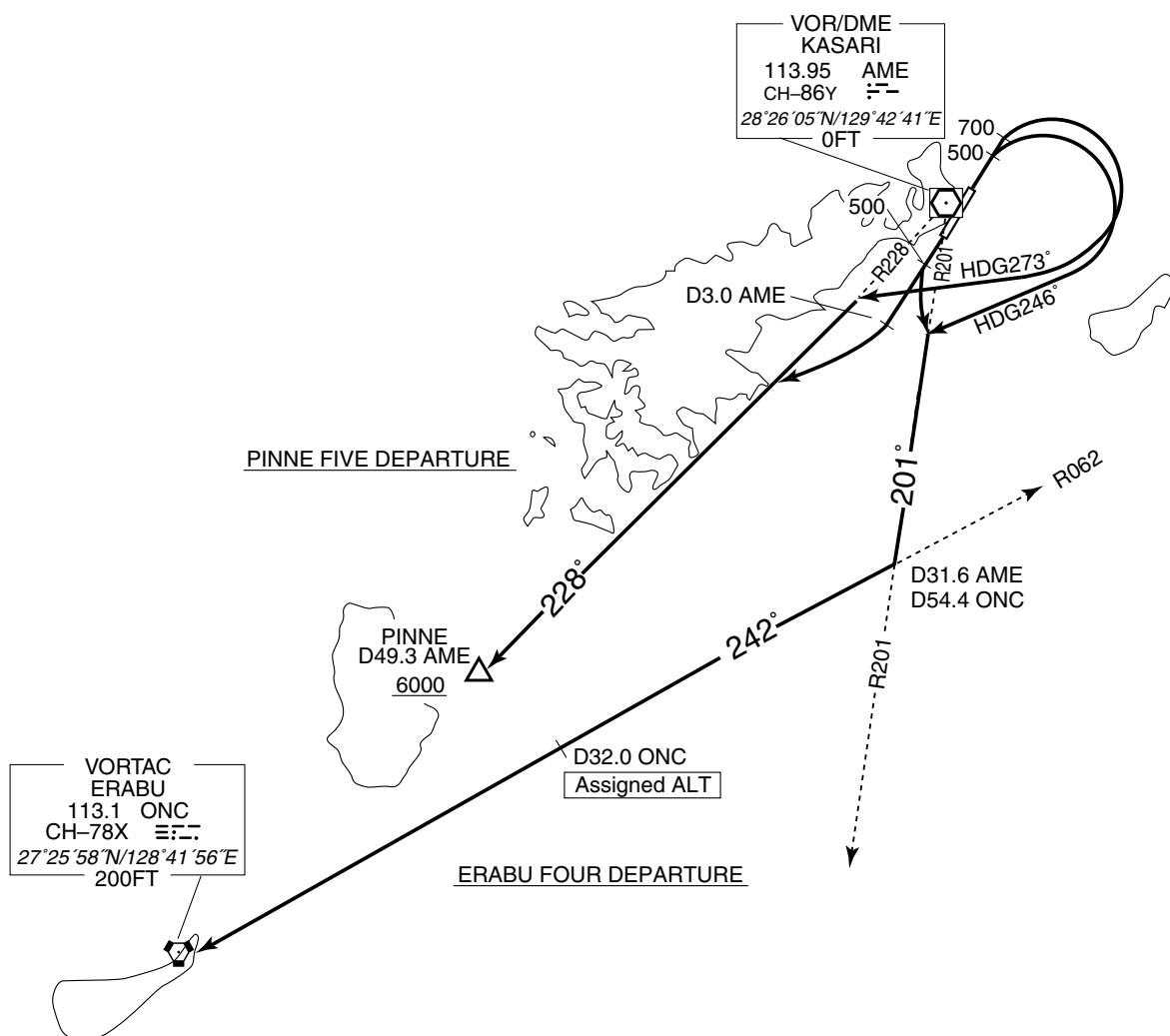
ERABU FOUR DEPARTURE

RWY 03 : Climb RWY HDG to 500FT, turn right HDG246° to intercept and proceed...

RWY 21 : Climb RWY HDG to 500FT, turn left,...

... via AME R201, via ONC R062 to ONC VORTAC.

Cross ONC R062/32.0DME at assigned altitude.



STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI

SID

KASARI REVERSAL TWO DEPARTURE

RWY03 : Climb RWY HDG to 1000FT, turn right,...

RWY21 : Climb RWY HDG to 1000FT, turn left,...

...direct to AME VOR/DME. Cross AME VOR/DME at or above 3000FT.

POMAS FOUR DEPARTURE

RWY03 : Climb RWY HDG to 500FT, turn right HDG130°...

RWY21 : Climb RWY HDG to 500FT, turn left HDG040°...

... to intercept and proceed via AME R085 to POMAS.

Cross POMAS at or above 6000FT.



INTENTIONALLY LEFT BLANK

STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

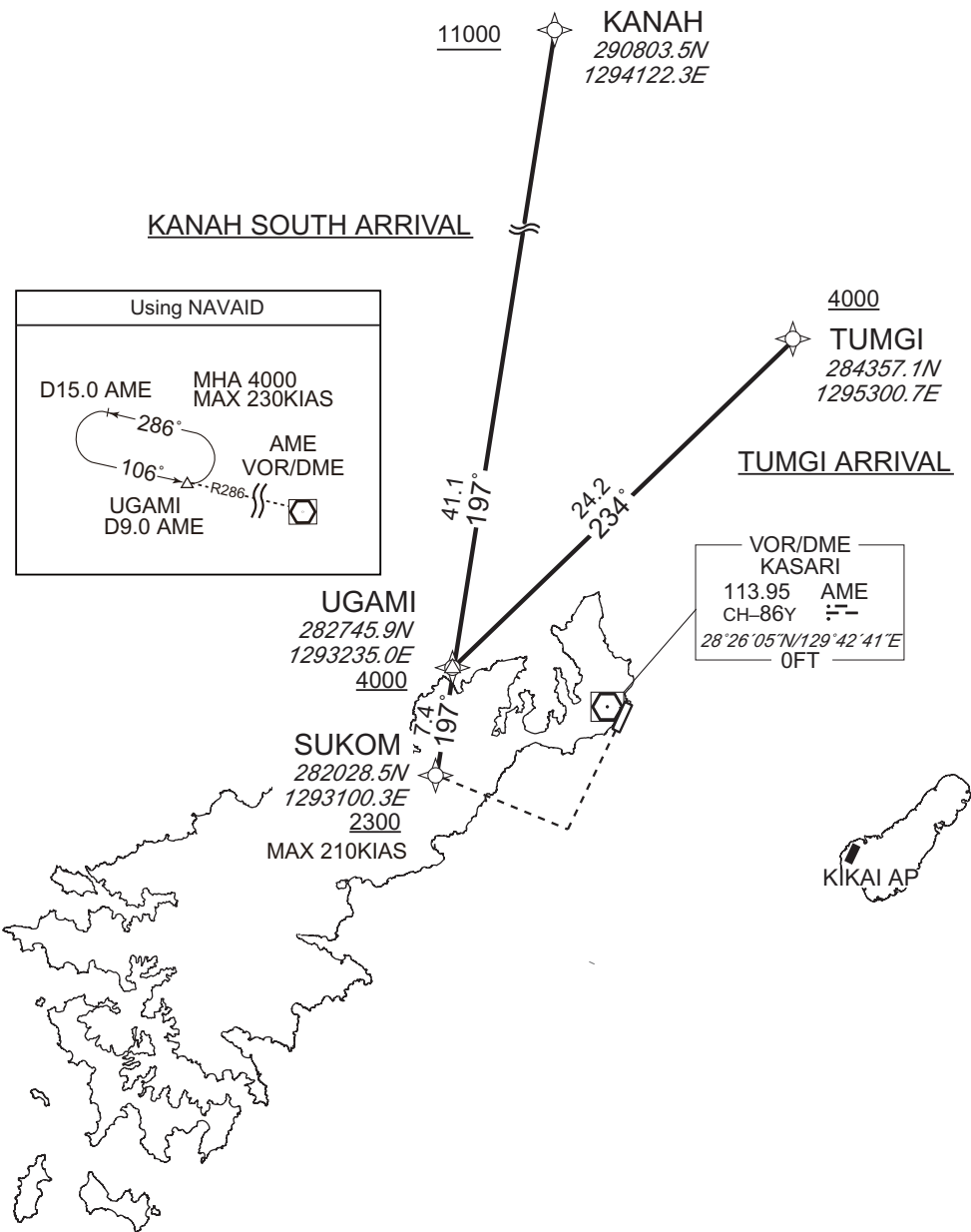
RNAV STAR RWY03

KANAH SOUTH ARRIVAL / TUMGI ARRIVAL

Basic RNP1

Note GNSS required.

VAR 6°W (2021)



STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY03

KANAH SOUTH ARRIVAL

From KANAH at or above 11000FT, to UGAMI at or above 4000FT, to SUKOM at or above 2300FT.

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	KANAH	—	—	-6.2	—	—	+11000	—	—	Basic RNP1
002	TF	UGAMI	—	197 (190.9)	-6.2	41.1	—	+4000	—	—	Basic RNP1
003	TF	SUKOM	—	197 (190.8)	-6.2	7.4	—	+2300	-210	—	Basic RNP1

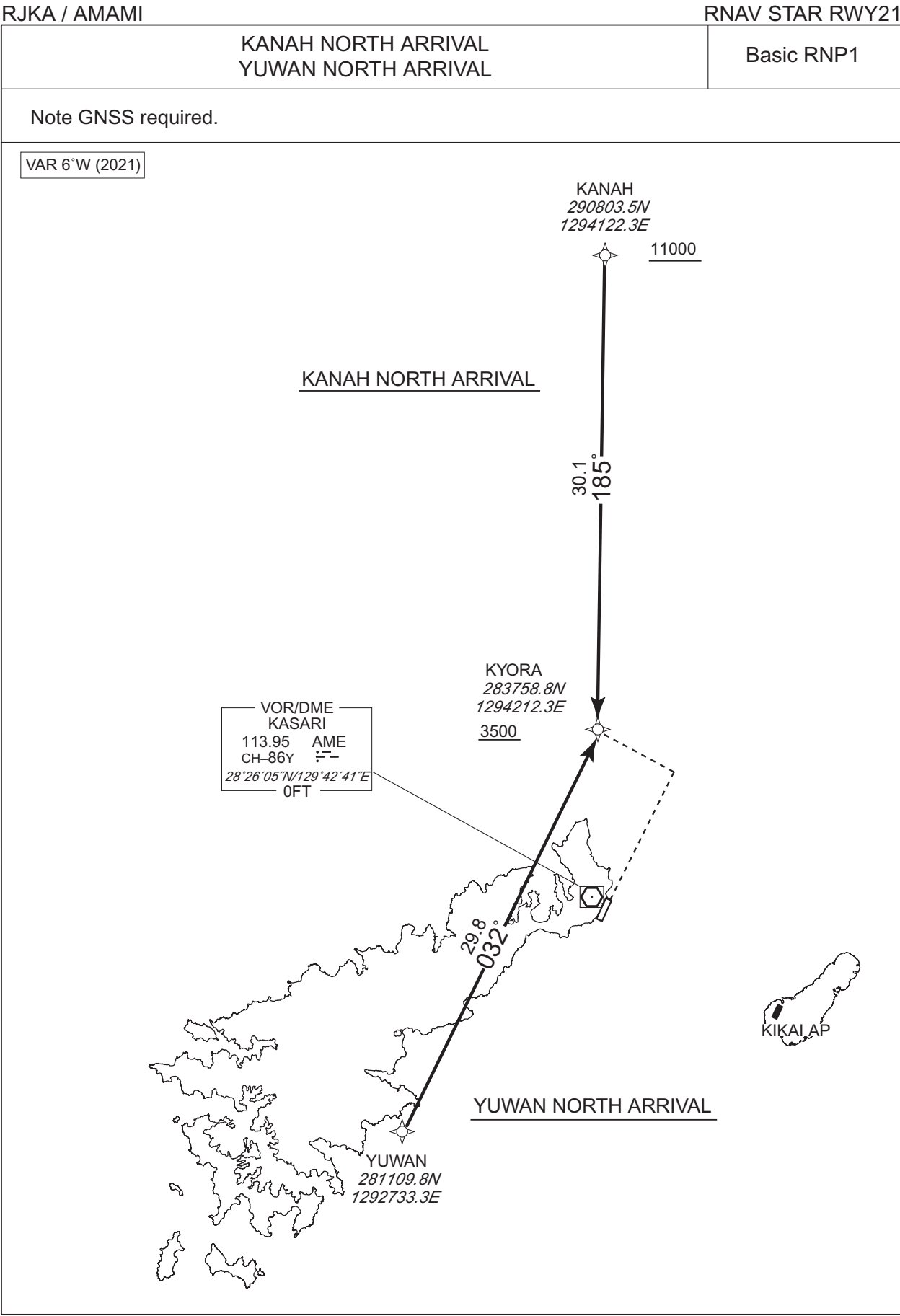
TUMGI ARRIVAL

From TUMGI at or above 4000FT, to UGAMI at or above 4000FT, to SUKOM at or above 2300FT.

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	TUMGI	—	—	-6.2	—	—	+4000	—	—	Basic RNP1
002	TF	UGAMI	—	234 (228.0)	-6.2	24.2	—	+4000	—	—	Basic RNP1
003	TF	SUKOM	—	197 (190.8)	-6.2	7.4	—	+2300	-210	—	Basic RNP1

CHANGE : VAR.

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY21

KANAH NORTH ARRIVAL

From KANAH at or above 11000FT, to KYORA at or above 3500FT.

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	KANAH	—	—	-6.2	—	—	+11000	—	—	Basic RNP1
002	TF	KYORA	—	185 (178.6)	-6.2	30.1	—	+3500	—	—	Basic RNP1

YUWAN NORTH ARRIVAL

From YUWAN, to KYORA at or above 3500FT.

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	—	—	—	—	—	Basic RNP1
002	TF	KYORA	—	032 (025.6)	-6.2	29.8	—	+3500	—	—	Basic RNP1

CHANGE : VAR. PROC course.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

ILS Z or LOC Z RWY03

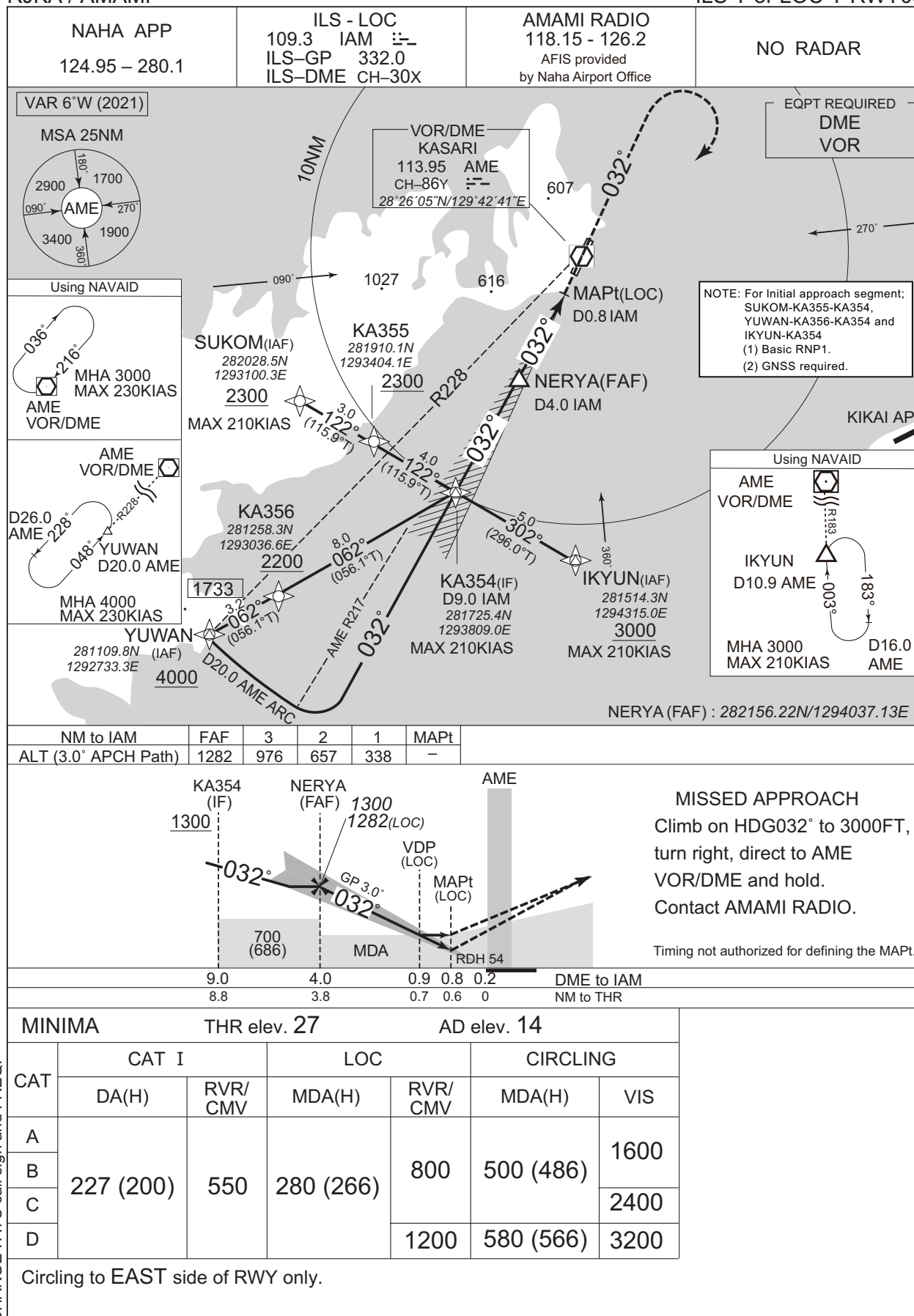


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

ILS Y or LOC Y RWY03



CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY03



INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY21

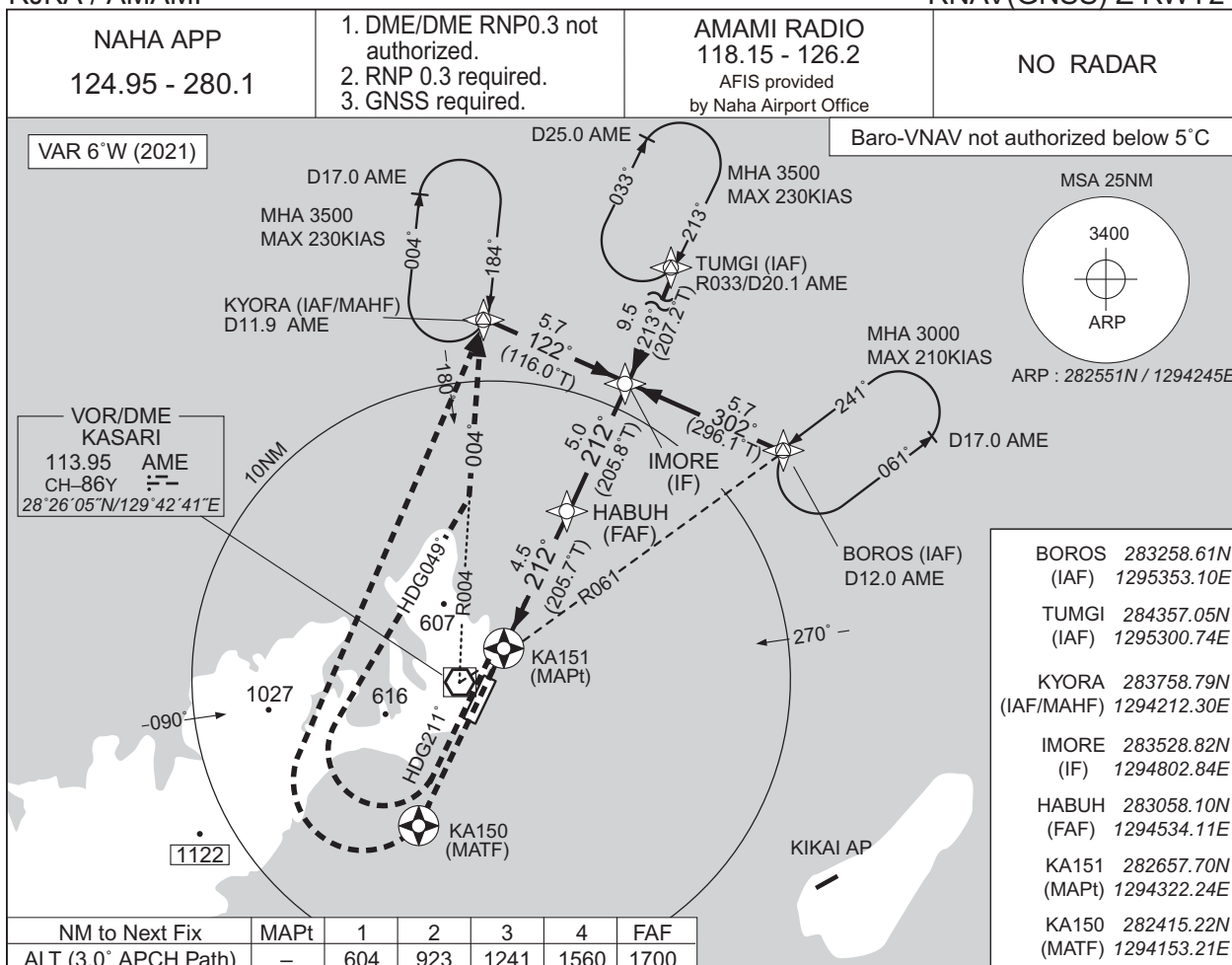


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(GNSS) Z RWY21



MISSED APPROACH

Climb to KA150, turn right, direct to KYORA and hold at 3500FT.
Contact AMAMI RADIO.

(For using VOR/DME)
Climb on HDG211° to 900FT, turn right HDG049° to intercept and proceed via AME R004 to KYORA and hold at 3500FT.
Contact AMAMI RADIO.

AME

VDP
1.1NM to MAPt

VDP (LNAV)

KA151 (MAPt)

HABUH (FAF)

IMORE (IF)

1700

1200

3.00°

212°

212°

MDA

700 (686)

RDH 50

NM to THR

0

0.7

5.2

10.2

Missed APCH climb gradient MNM 5.0%

CAT	MINIMA		THR elev. 14		AD elev. 14	
	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	600 (586)	1500	600 (586)	1500	600 (586)	1600
B		1800		1800		2400
C		2000		2000		3200
D						

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

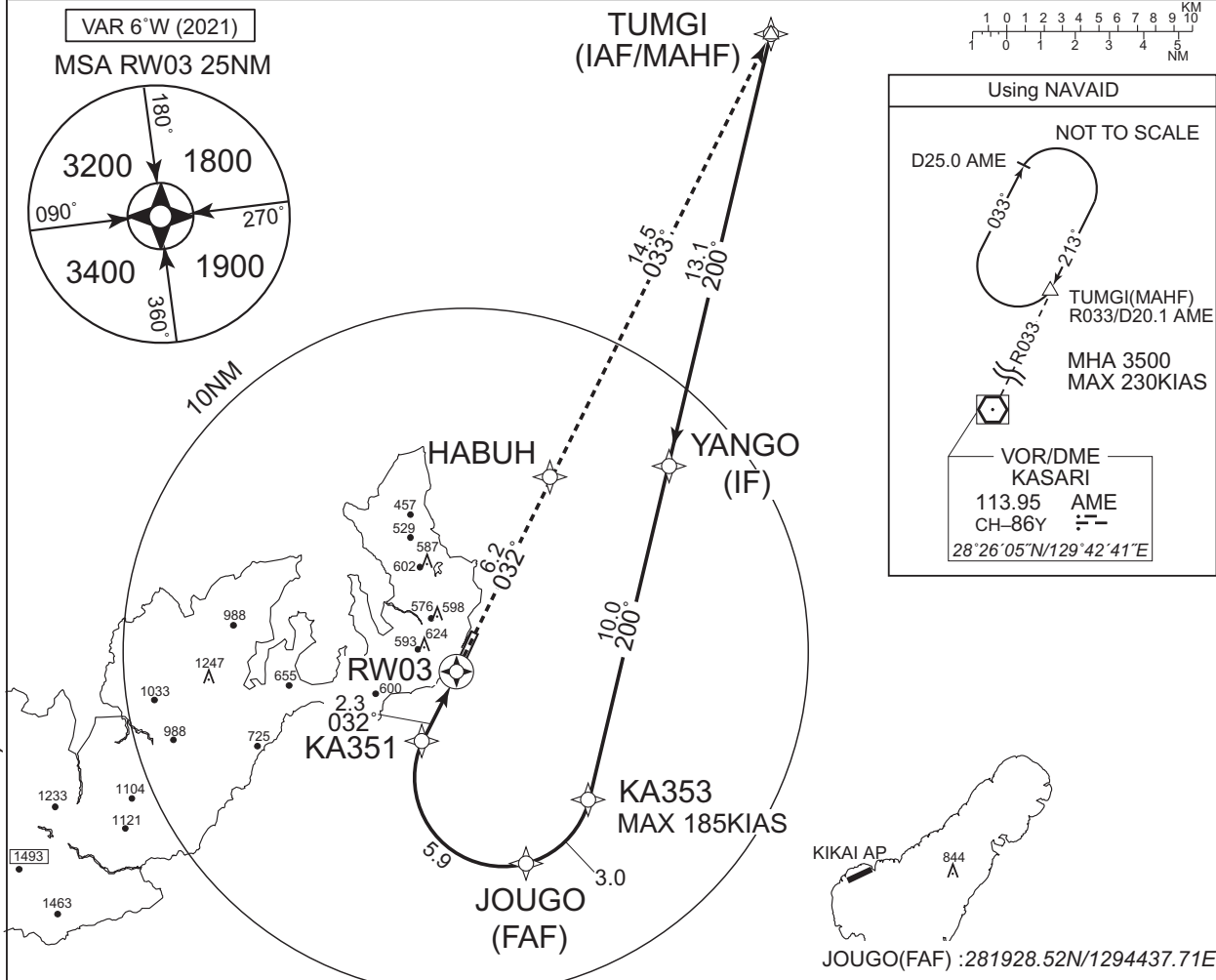
CHANGE : ATC call sign and FREQ. VAR.

RJKA / AMAMI

RNAV(RNP) RWY03

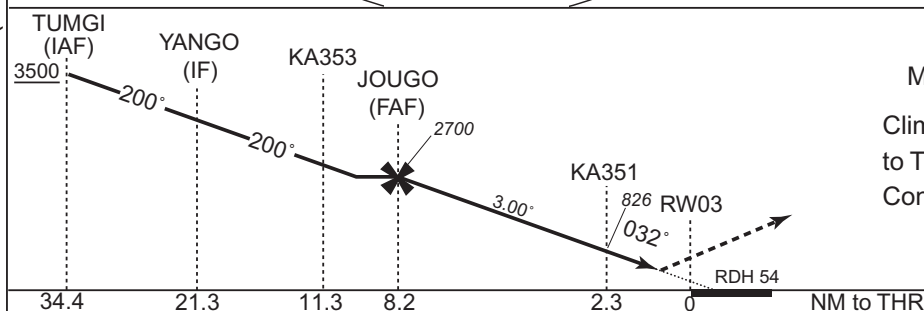
NAHA APP 124.95 – 280.1	GNSS and RF required	AMAMI RADIO 118.15 - 126.2 AFIS provided by Naha Airport Office	NO RADAR
----------------------------	----------------------	--	----------

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



MISSED APPROACH

Climb to 3500FT, to HABUH,
to TUMGI and hold.
Contact AMAMI RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 27 AD elev. 14

CAT	RNP 0.13		RNP 0.30	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	327(300)	—	—	—
B		—	—	—
C		1000	554(527)	1200
D		1400		1600

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

RNP AR
Special Authorization Required

INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) RWY03

RNAV(RNP) RWY03Coding 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	TUMGI	—	—	-6.2	—	—	+3500	—	—	—
002	TF	YANGO	—	200 (193.3)	-6.2	13.1	—	—	—	—	1.0
003	TF	KA353	—	200 (193.3)	-6.2	10.0	—	+2700	-185	—	1.0
004	RF Center: KARF1 r=2.65NM	JOUGO	—	—	-6.2	3.0	R	2700	—	—	1.0
005	RF Center: KARF1 r=2.65NM	KA351	—	—	-6.2	5.9	R	826	—	-3.00	0.13 0.30
006	TF	RW03	Y	032 (025.7)	-6.2	2.3	—	81	—	-3.00/54	0.13 0.30
007	TF	HABUH	—	032 (025.7)	-6.2	6.2	—	—	—	—	1.0
008	TF	TUMGI	—	033 (026.7)	-6.2	14.5	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TUMGI	284357.05N/1295300.74E	KARF1	282205.14N/1294402.59E
YANGO	283113.92N/1294935.29E		
KA353	282128.37N/1294658.25E		
JOUGO	281928.52N/1294437.71E		
KA351	282314.74N/1294120.10E		
RW03	282521.39N/1294229.46E		
HABUH	283058.10N/1294534.11E		

CHANGE : VAR. PROC course.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY21

NAHA APP
124.95 – 280.1

GNSS required

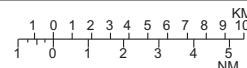
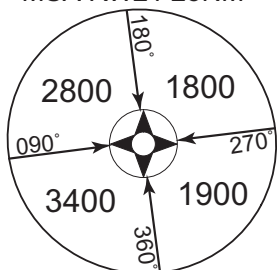
AMAMI RADIO
118.15 - 126.2
AFIS provided
by Naha Airport Office

NO RADAR

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

VAR 6°W (2021)

MSA RW21 25NM



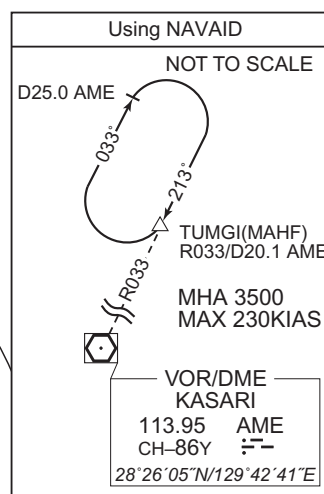
KA162

TUMGI
(IAF/MAHF)IMORE
(IF)HABUH
(FAF)

RW21

KA161

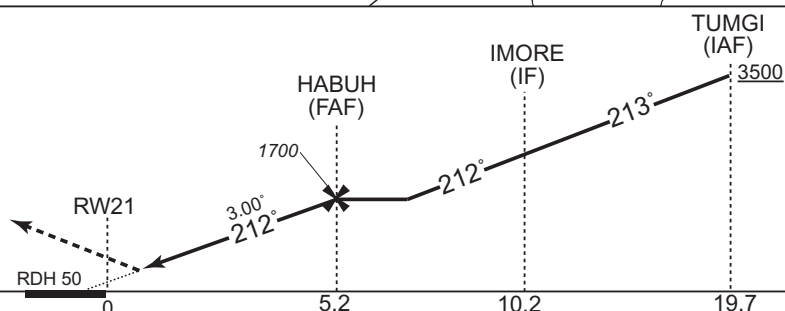
KA101



HABUH(FAF) : 283058.10N/1294534.11E

MISSED APPROACH

Climb to 3500FT, to KA101,
to KA161, to KA162, to
TUMGI and hold.
Contact AMAMI RADIO.



NM to THR

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 14 AD elev. 14

CAT	RNP 0.14		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	—	—	—	—
B	—	—	—	—
C	325(311)	1600	528(514)	1800
D		1800		2000

RNP AR
Special Authorization Required

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

CHANGE: PROC renamed. ATC call sign and FREQ. VAR. MISSED APPROACH course FM KA161 to KA162.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNAV(RNP) Y RWY21

RNAV(RNP) Y RWY21Coding 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	TUMGI	—	—	-6.2	—	—	+3500	—	—	—
002	TF	IMORE	—	213 (207.2)	-6.2	9.5	—	—	—	—	1.0
003	TF	HABUH	—	212 (205.8)	-6.2	5.0	—	1700	—	—	1.0
004	TF	RW21	Y	212 (205.7)	-6.2	5.2	—	64	—	-3.00/50	0.14 0.30
005	TF	KA101	—	212 (205.7)	-6.2	5.7	—	—	—	—	1.0
006	TF	KA161	—	302 (295.9)	-6.2	11.0	—	—	—	—	1.0
007	TF	KA162	—	017 (010.7)	-6.2	10.0	—	—	—	—	1.0
008	TF	TUMGI	—	073 (067.1)	-6.2	20.9	—	3500	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates
TUMGI	284357.05N/1295300.74E
IMORE	283528.82N/1294802.84E
HABUH	283058.10N/1294534.11E
RW21	282619.79N/1294301.46E
KA101	282112.20N/1294013.10E
KA161	282600.04N/1292858.96E
KA162	283551.31N/1293105.90E

CHANGE: VAR. PROC renamed. MISSED APPROACH course FM KA161 to KA162.

RJKA / AMAMI

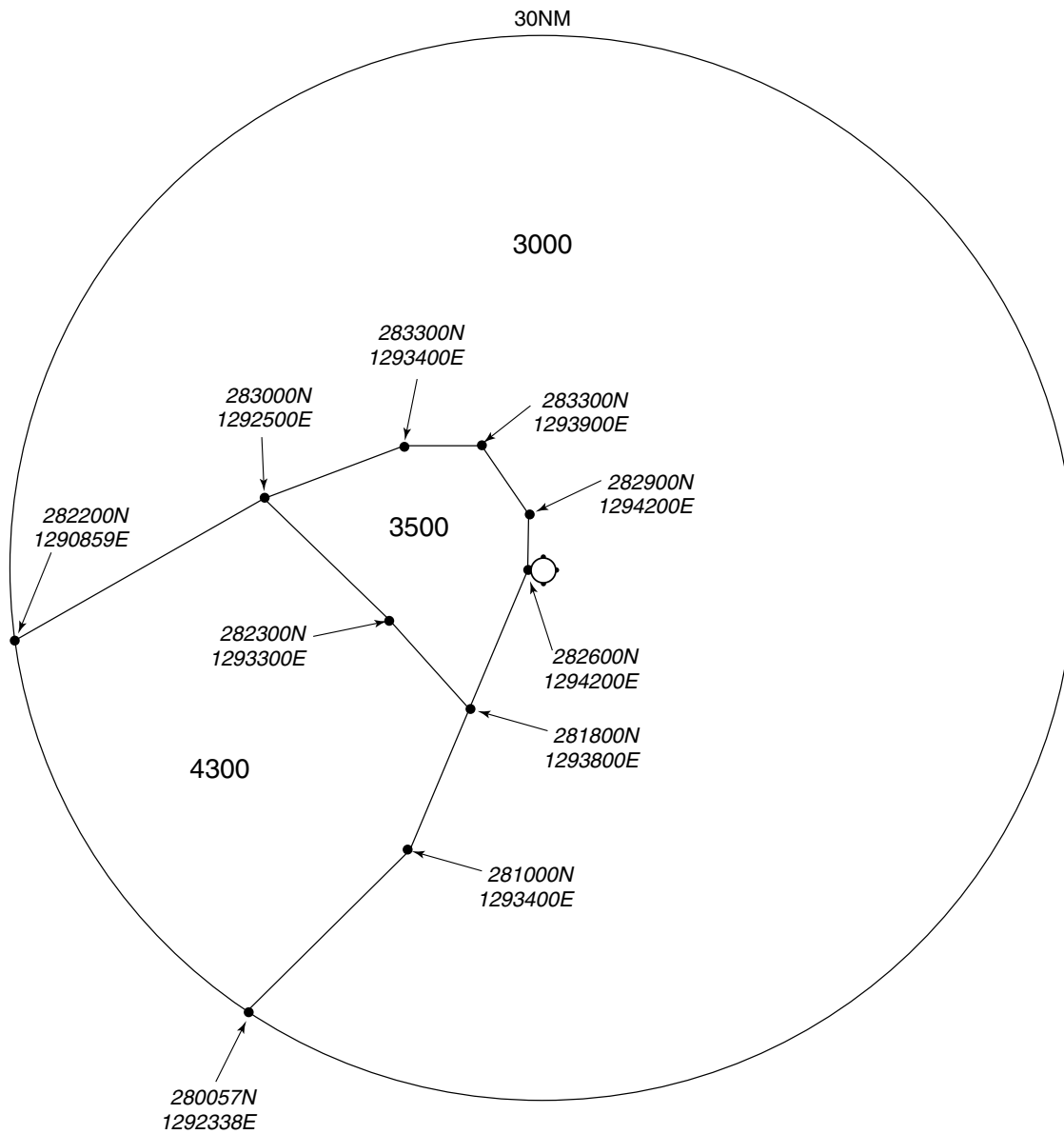
Visual REP



Call sign	BRG / DIST from ARP	Remarks
10NM NE	045°/10.0NM	海上 Over the sea
10NM NW	315°/10.0NM	海上 Over the sea
笠 利 崎 Kasarizaki	354°/ 6.2NM	灯台 Lighthouse
仲 干 瀬 崎 Nakahosezaki	235°/11.3NM	岬 Cape
名 瀬 Naze	262°/11.9NM	港 Harbor

RJKA / AMAMI

Minimum Vectoring Altitude CHART



CENTER : 282551N/1294245E (ARP)