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	Alll 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, taxies
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 gudance 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	

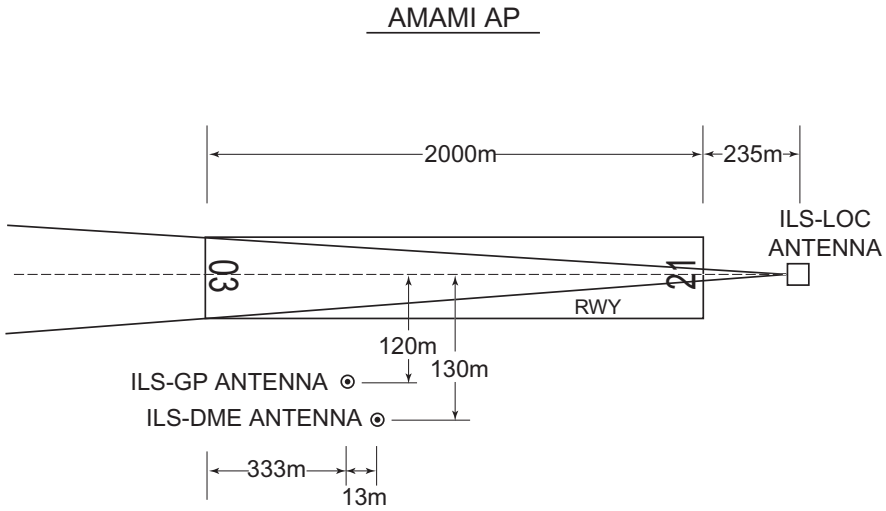
RJKA AD 2.18 ATS COMMUNICATION FACILITIES

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

RJKA 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 (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 satelite based.

ILS



REMARKS :
1.LOC beam BRG(MAG) 031.90°
2.HGT of ILS REF datum 16.5m(54ft)
3.GP Angle 3.0°
4.ELEV of ILS-DME 10.4m(35ft)

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

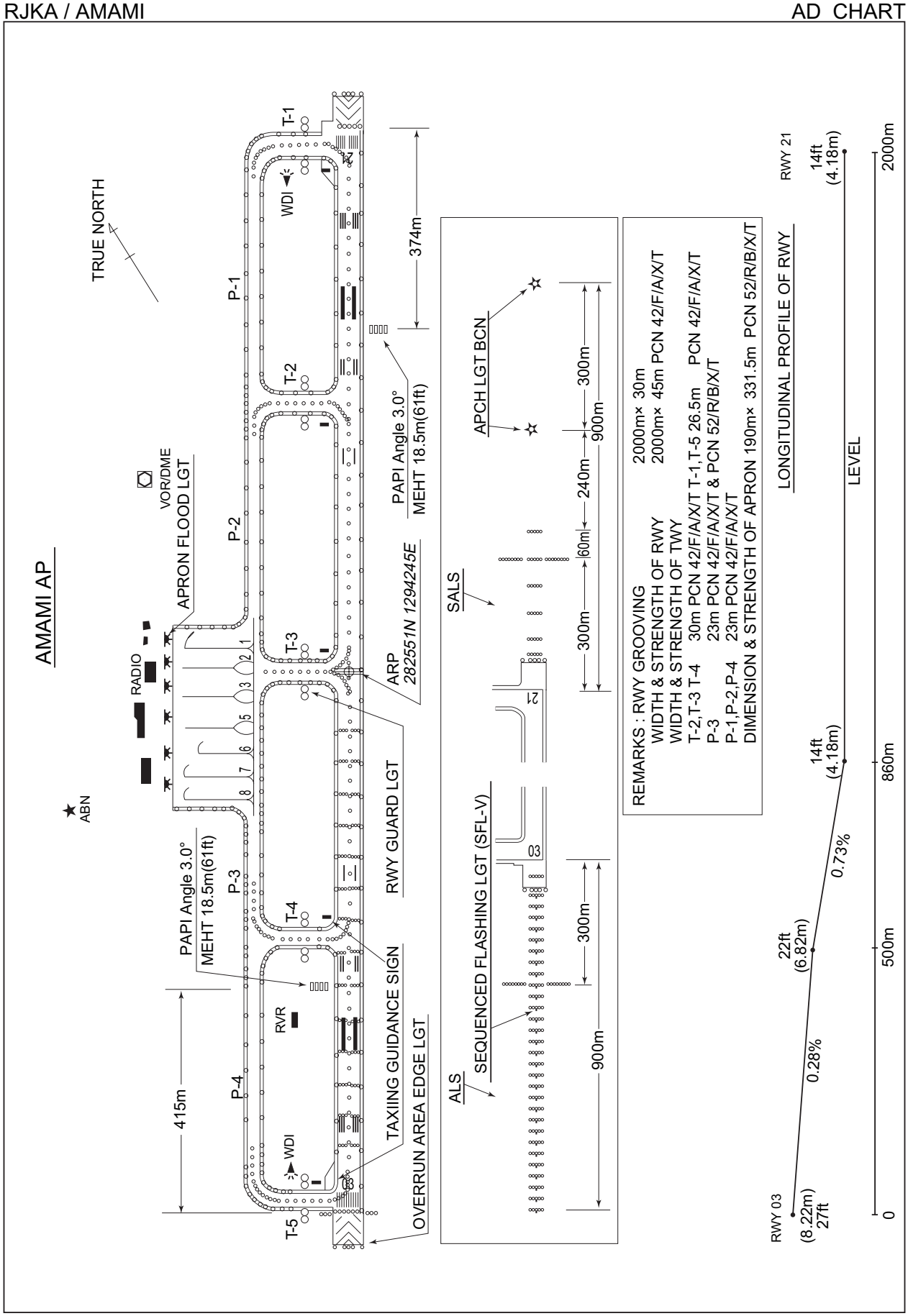
Nil

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 (RNP Z RWY21)
Instrument Approach Chart (RNP RWY03(AR))
Instrument Approach Chart (RNP Y RWY21(AR))
Other Chart (VISUAL REP)
Other Chart (MVA CHART)

INTENTIONALLY LEFT BLANK

RJKA / AMAMI AD CHART



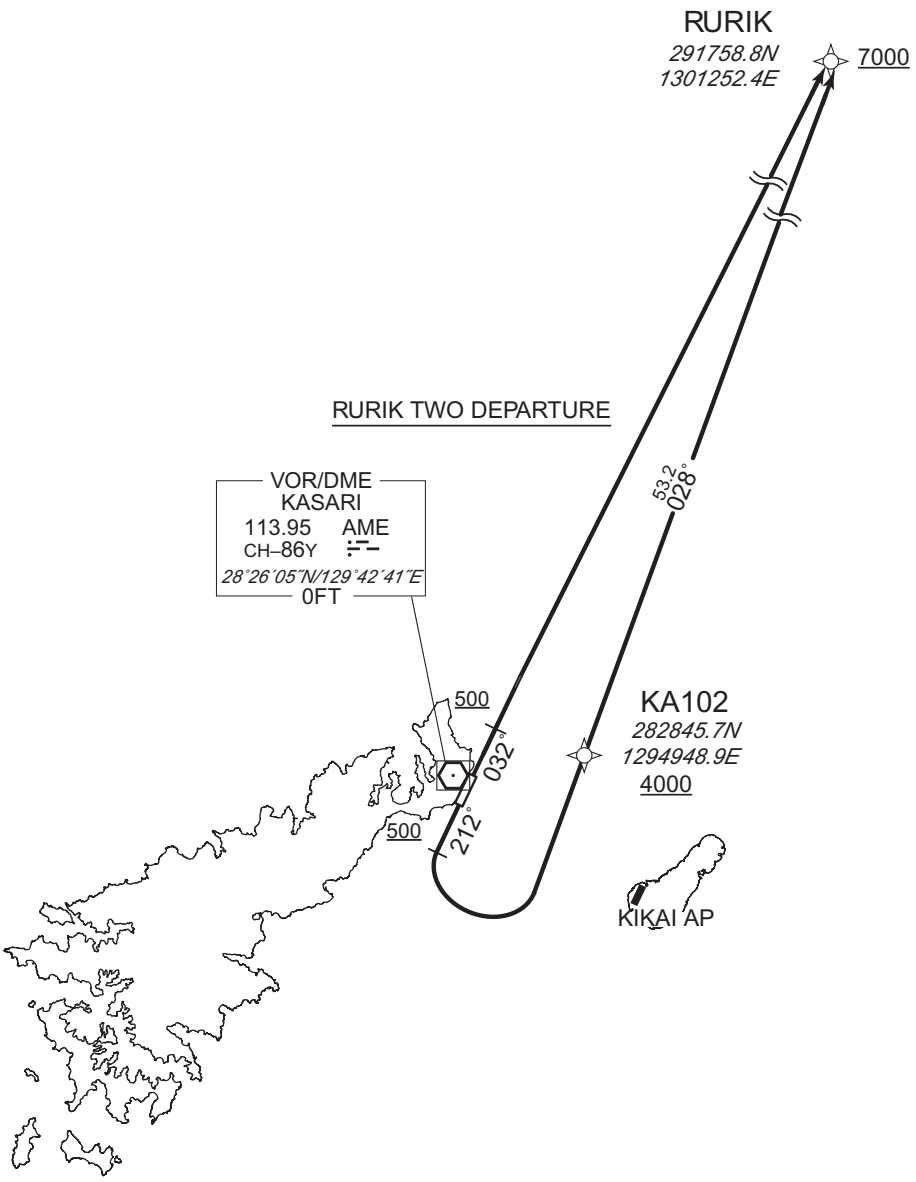
STANDARD DEPARTURE CHART -INSTRUMENT

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.

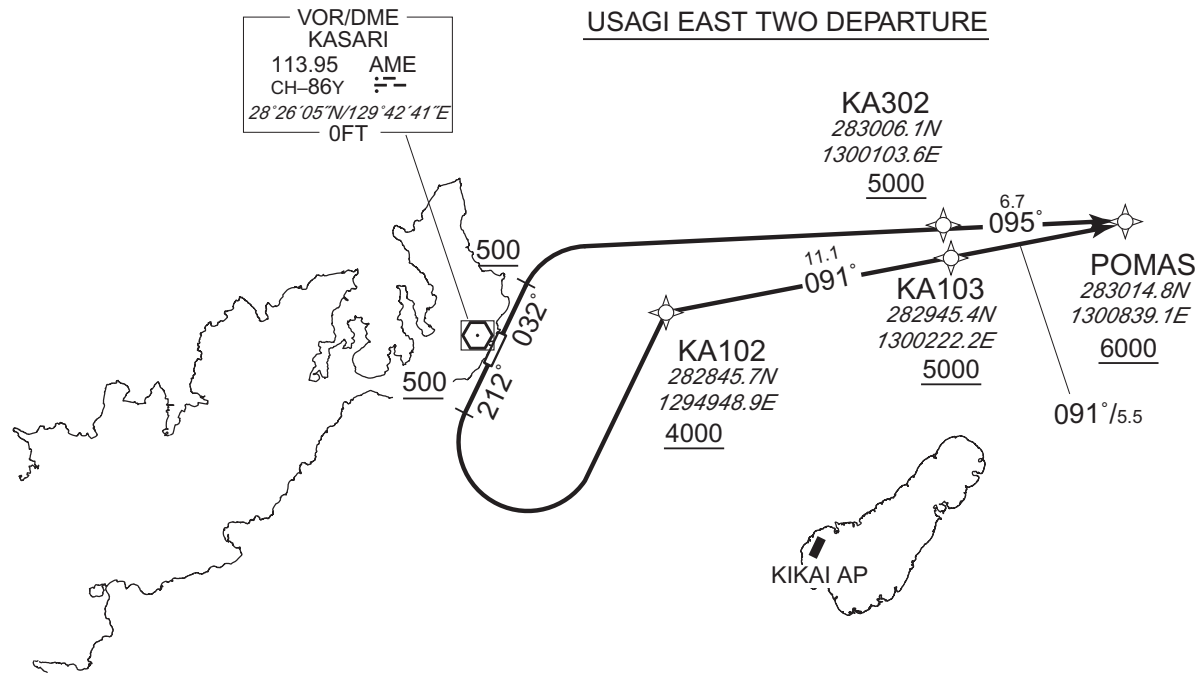
STANDARD DEPARTURE CHART -INSTRUMENT

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

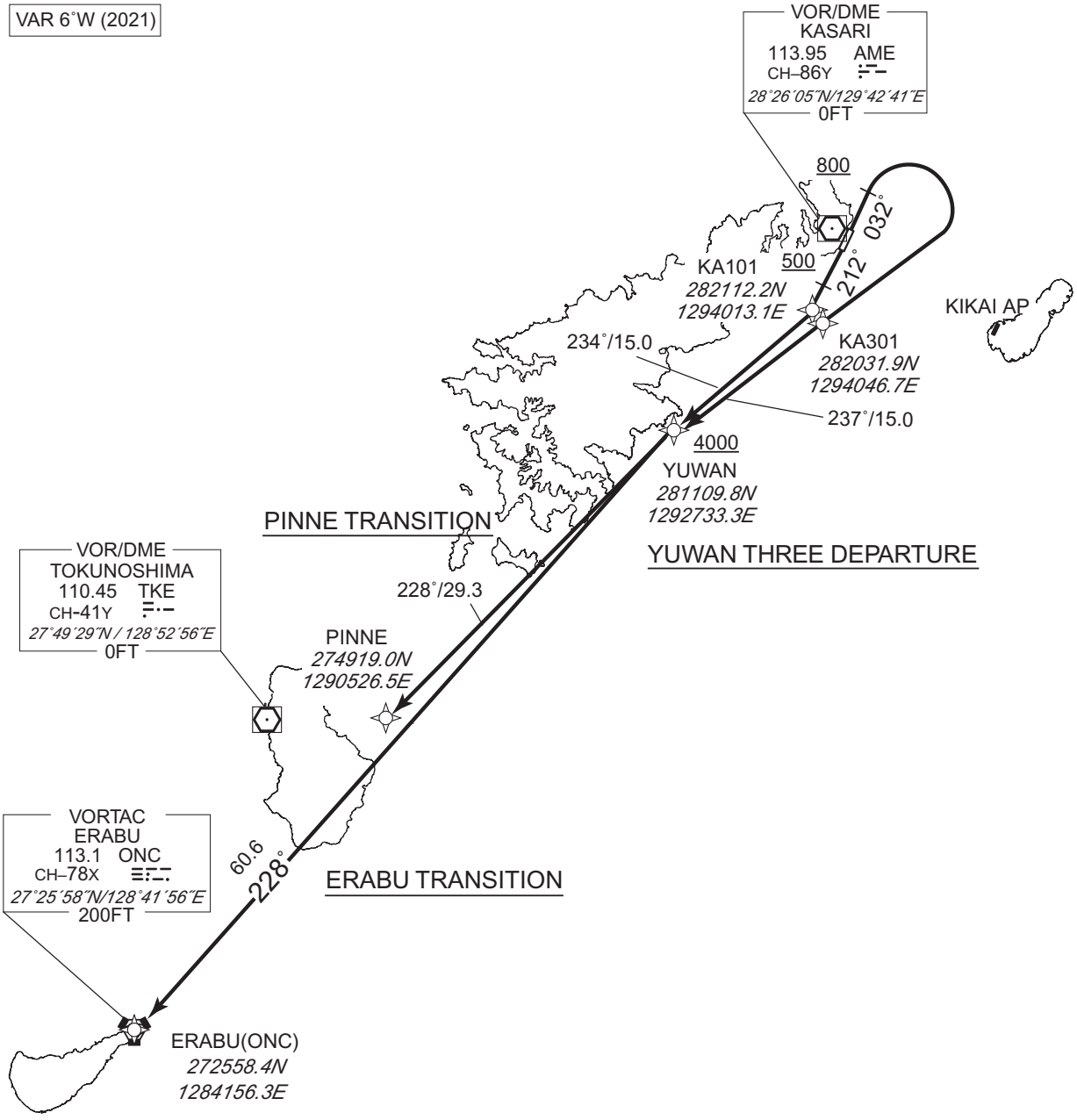
CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT

RJKA / AMAMI — RNAV SID and TRANSITION

YUWAN THREE DEPARTURE PINNE TRANSITION ERABU TRANSITION	Basic RNP1

Note GNSS required.



YUWAN THREE DEPARTURE

RWY03 : Climb on HDG032° at or above 800FT, turn right direct to KA301, to YUWAN at or above 4000FT.

RWY21 : Climb on HDG212° at or above 500FT, direct to KA101, to YUWAN at or above 4000FT.

PINNE TRANSITION

From YUWAN at or above 4000FT, to PINNE.

ERABU TRANSITION

From YUWAN at or above 4000FT, to ONC.

CHANGE : VAR.

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.

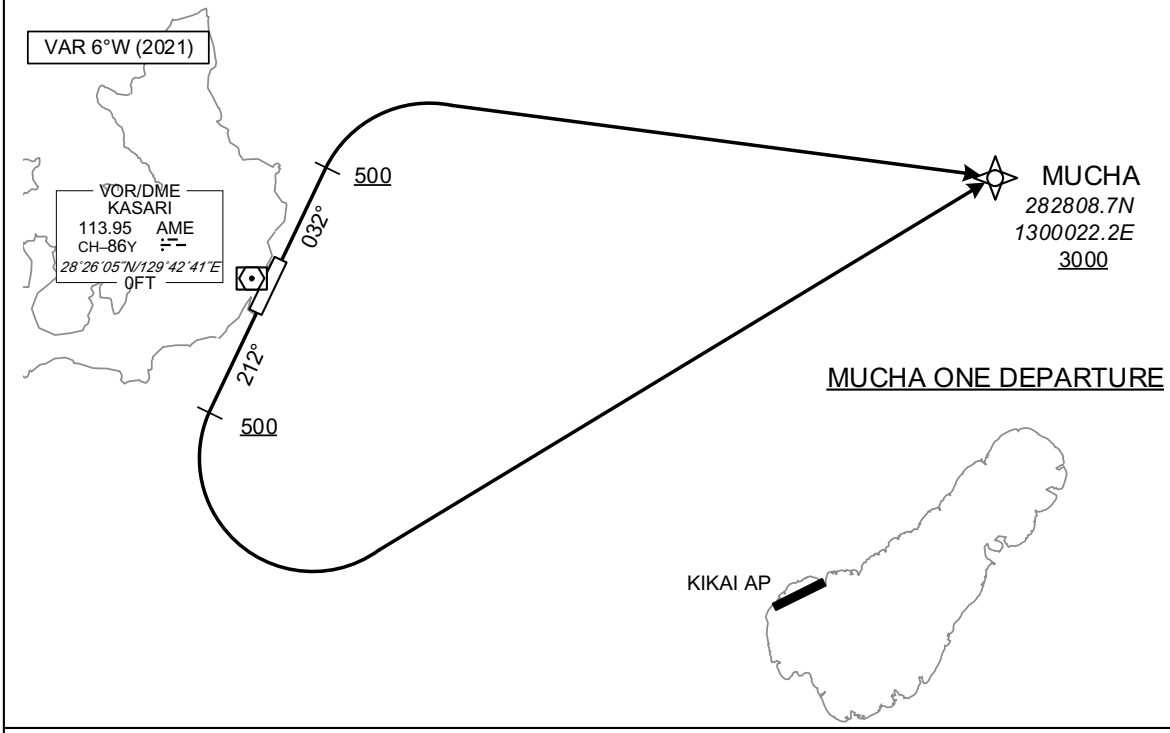
STANDARD DEPARTURE CHART -INSTRUMENT

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.

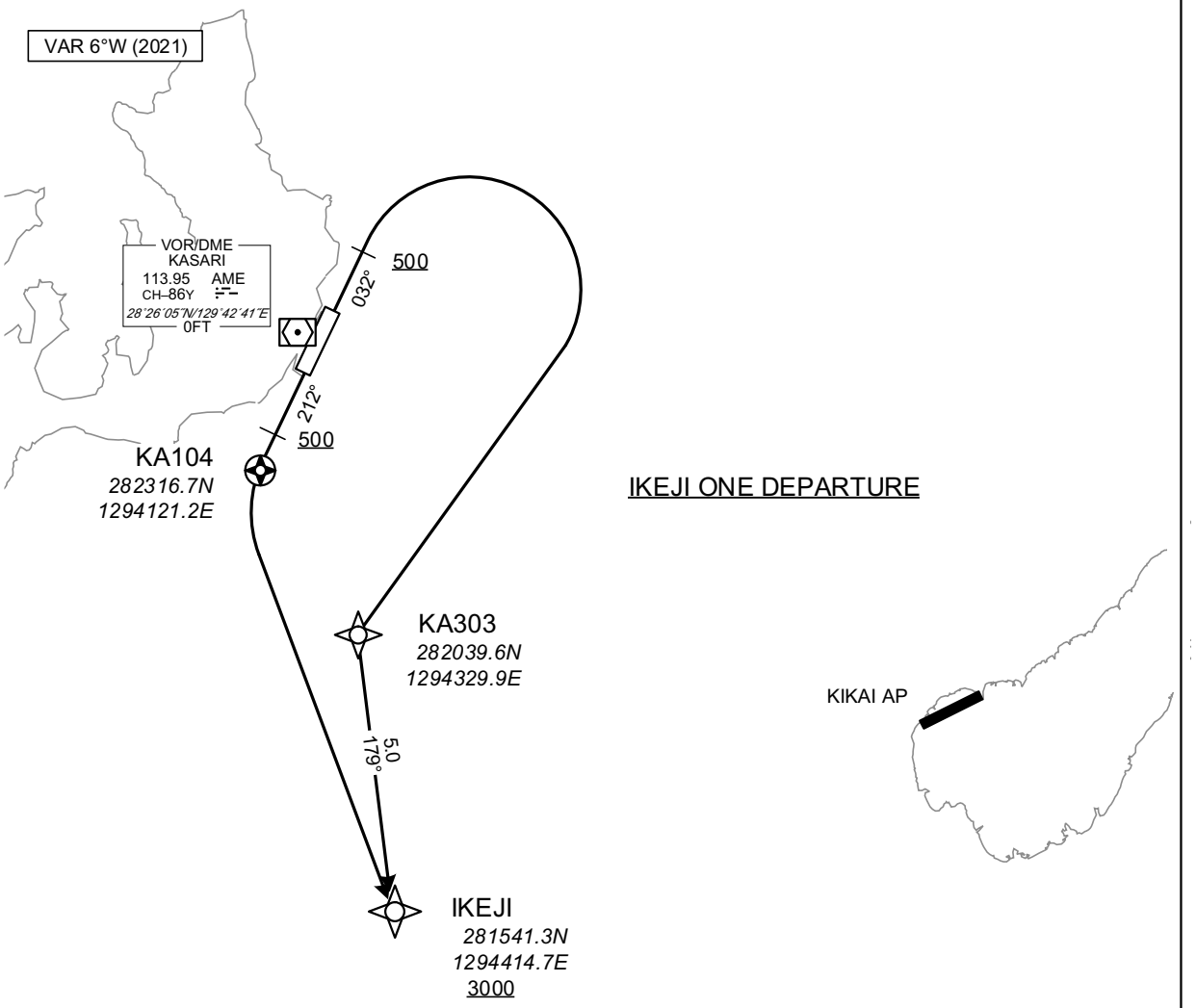
STANDARD DEPARTURE CHART -INSTRUMENT

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

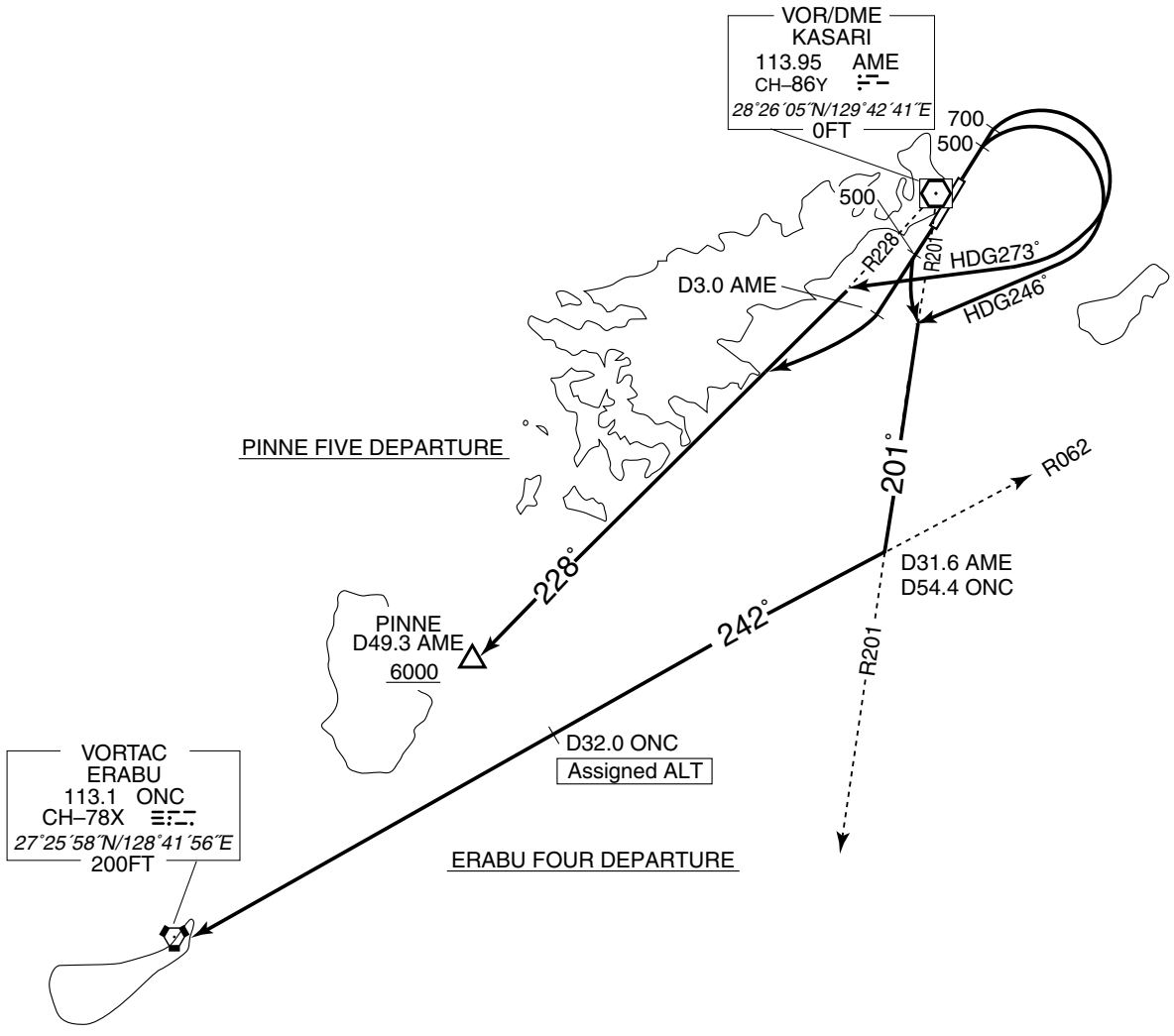
RJKA / AMAMI SID

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

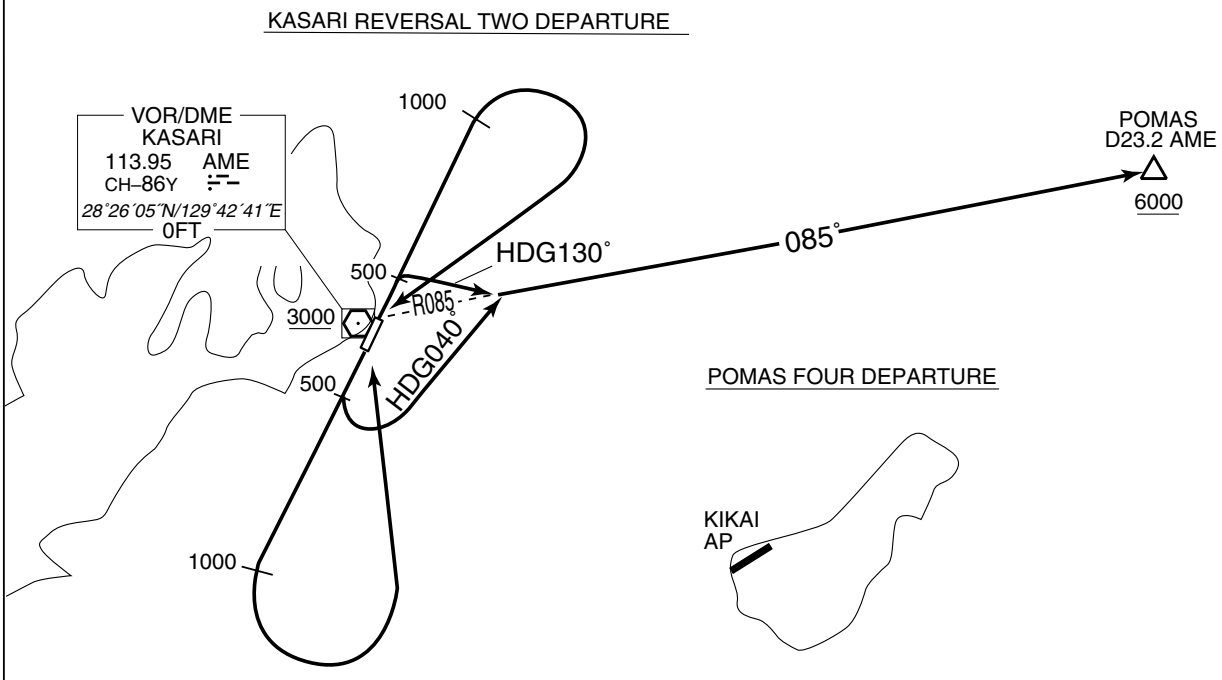
RJKA / AMAMI SID

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

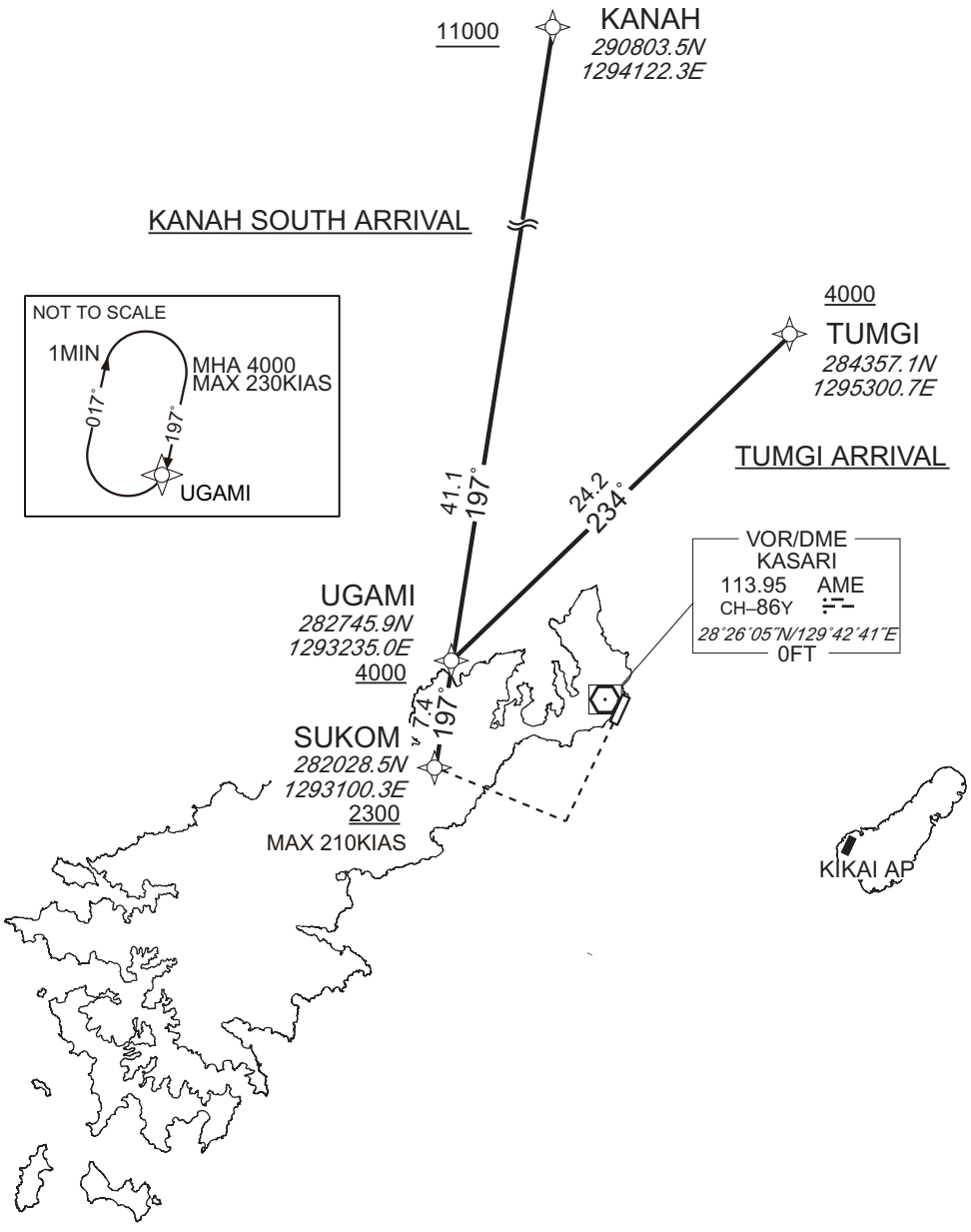
RNAV STAR RWY03

KANAH SOUTH ARRIVAL / TUMGI ARRIVAL

Basic RNP1

Note GNSS required.

VAR 6˚W (2022)



CHANGE : VAR. RNAV HLDG established(UGAMI). HLDG for NAVAIDS abolished(UGAMI).

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	—	—	-6.3	—	—	+11000	—	—	Basic RNP1
002	TF	UGAMI	—	197 (190.9)	-6.3	41.1	—	+4000	—	—	Basic RNP1
003	TF	SUKOM	—	197 (190.8)	-6.3	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	—	—	-6.3	—	—	+4000	—	—	Basic RNP1
002	TF	UGAMI	—	234 (228.0)	-6.3	24.2	—	+4000	—	—	Basic RNP1
003	TF	SUKOM	—	197 (190.8)	-6.3	7.4	—	+2300	-210	—	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	UGAMI	197 (190.8)	-6.3	1.0(-14000)	R	4000	FL140	-230(-14000)	Basic RNP1

CHANGE : VAR. RNAV HLDG established.

STANDARD ARRIVAL CHART-INSTRUMENT

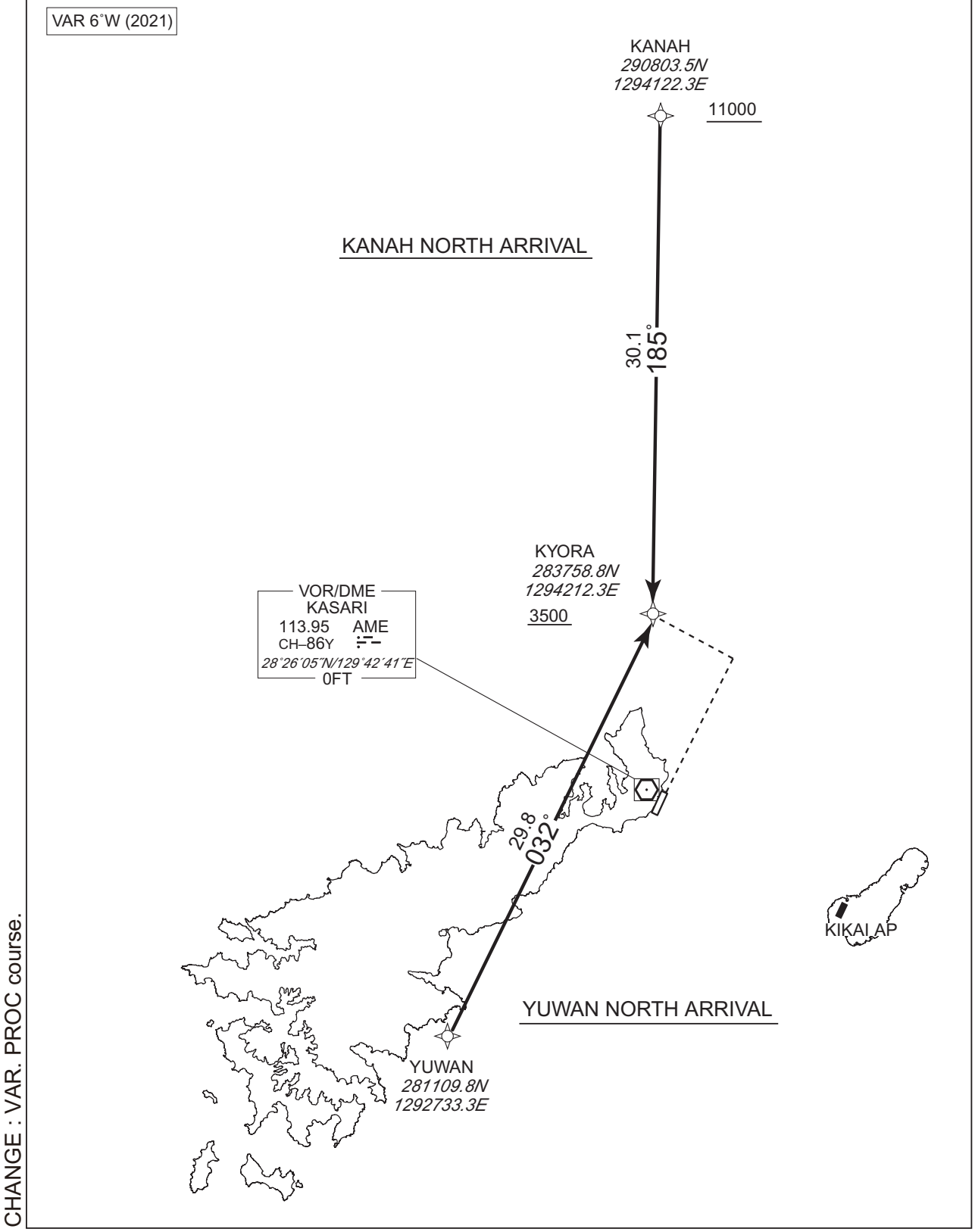
RJKA / AMAMI

RNAV STAR RWY21

KANAH NORTH ARRIVAL
YUWAN NORTH ARRIVAL

Basic RNP1

Note GNSS required.



CHANGE : VAR. PROC course.

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.

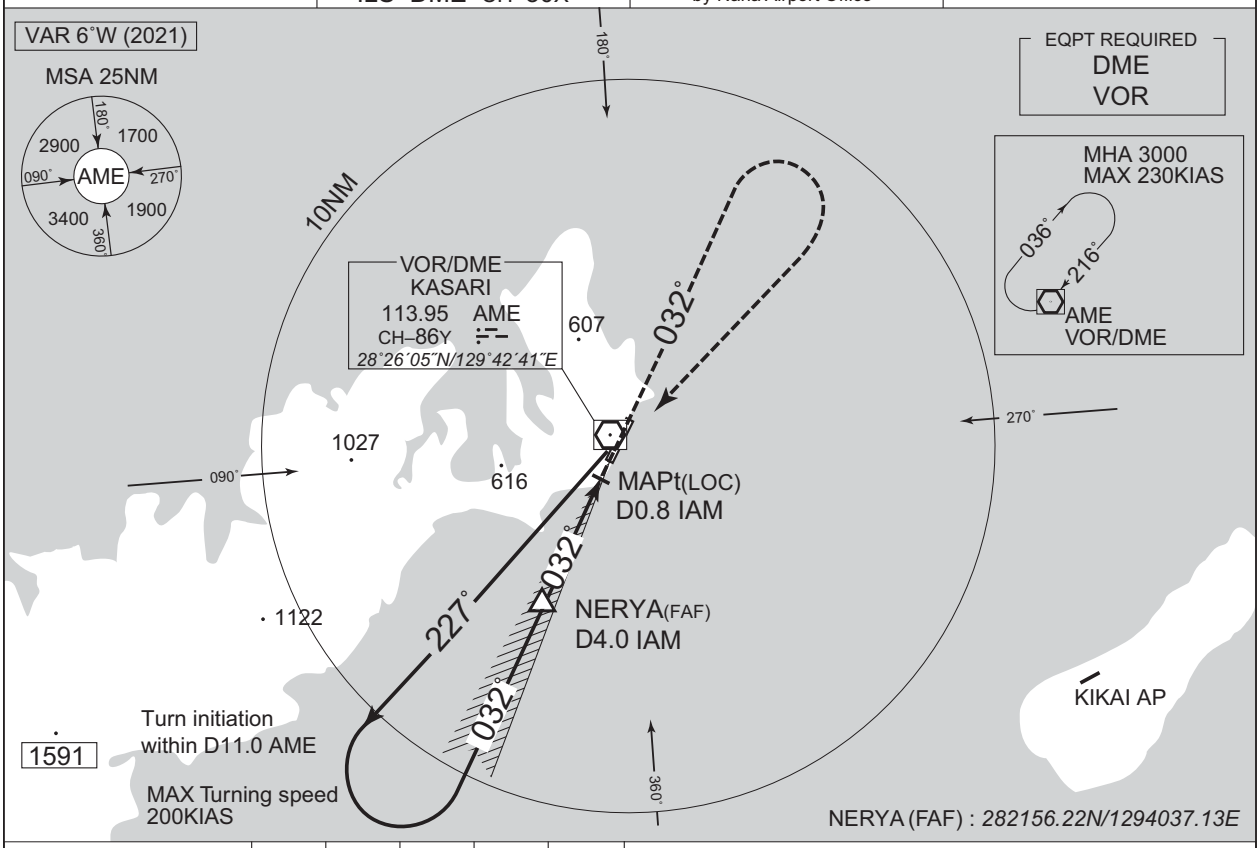
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YUWAN	—	—	-6.2	—	—	—	—	—	Basic RNP1
002	TF	KYORA	—	032 (025.6)	-6.2	29.8	—	+3500	—	—	Basic RNP1

CHANGE : VAR. PROC course.

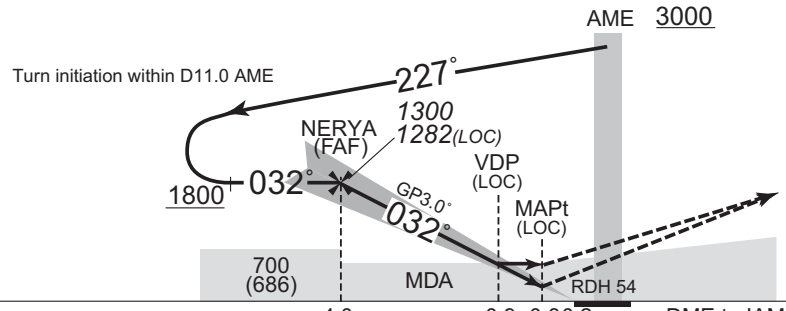
INSTRUMENT APPROACH CHART

RJKA / AMAMI — ILS Z or LOC Z RWY03

NAHA APP	ILS – LOC	AMAMI RADIO	NO RADAR
124.95 – 280.1	109.3 IAM ILS–GP 332.0 ILS–DME CH–30X	118.15 - 126.2 AFIS provided by Naha Airport Office	



NM to IAM	FAF	3	2	1	MAPt
ALT (3.0° APCH Path)	1282	976	657	338	–



MISSED APPROACH
Climb on HDG032° to 3000FT,
turn right, direct to AME
VOR/DME and hold.
Contact AMAMI RADIO.

Timing not authorized for defining the MAPt.

MINIMA THR elev. 27 AD elev. 14

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	227 (200)	550	280 (266)	800	500 (486)	1600
B						
C						2400
D				1200	580 (566)	3200

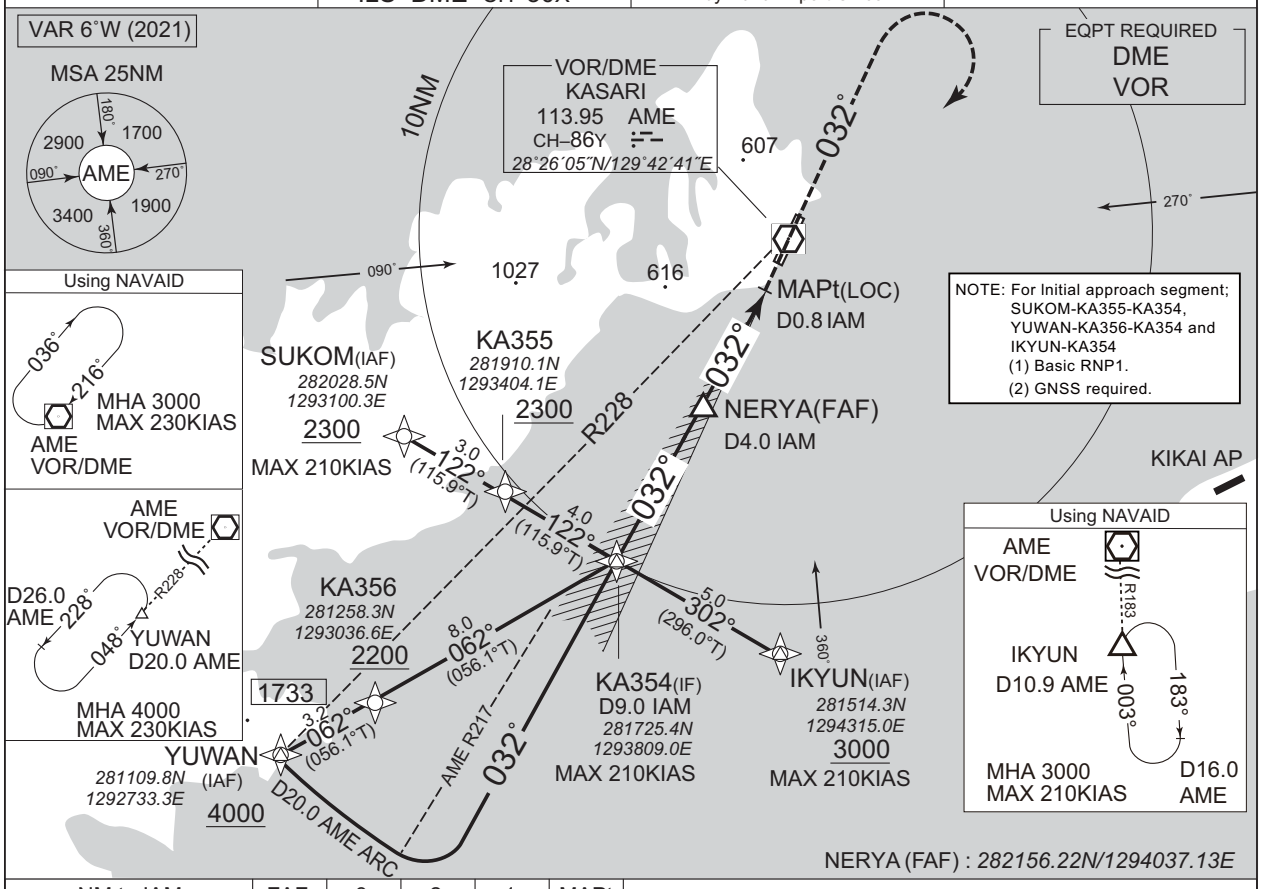
Circling to EAST side of RWY only.

CHANGE : ATC call sign and FREQ.

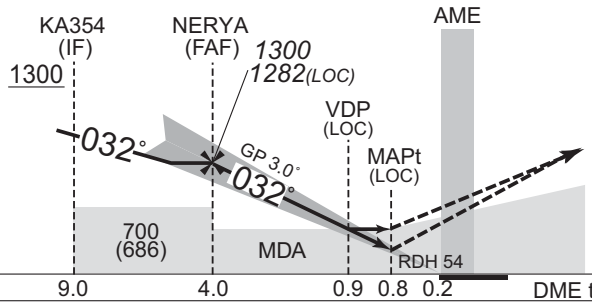
INSTRUMENT APPROACH CHART

RJKA / AMAMI — ILS Y or LOC Y RWY03

NAHA APP	ILS - LOC	AMAMI RADIO	NO RADAR
124.95 – 280.1	109.3 IAM ILS–GP 332.0 ILS–DME CH–30X	118.15 - 126.2 AFIS provided by Naha Airport Office	



NM to IAM	FAF	3	2	1	MAPt
ALT (3.0˚ APCH Path)	1282	976	657	338	–



MISSED APPROACH
Climb on HDG032˚ to 3000FT, turn right, direct to AME VOR/DME and hold.
Contact AMAMI RADIO.

Timing not authorized for defining the MAPt.

MINIMA THR elev. 27 AD elev. 14

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	227 (200)	550	280 (266)	800	500 (486)	1600
B						
C						2400
D				1200	580 (566)	3200

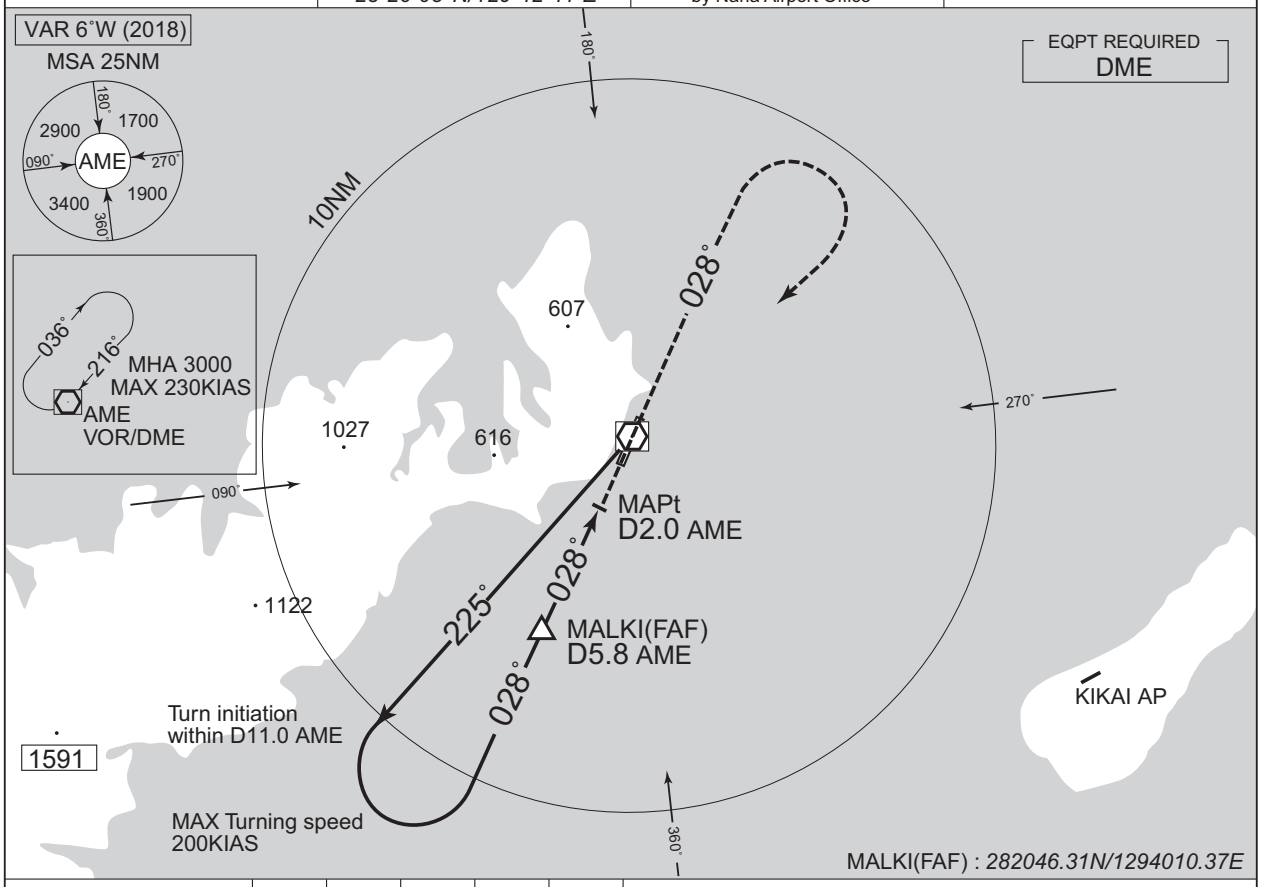
Circling to EAST side of RWY only.

CHANGE : ATC call sign and FREQ.

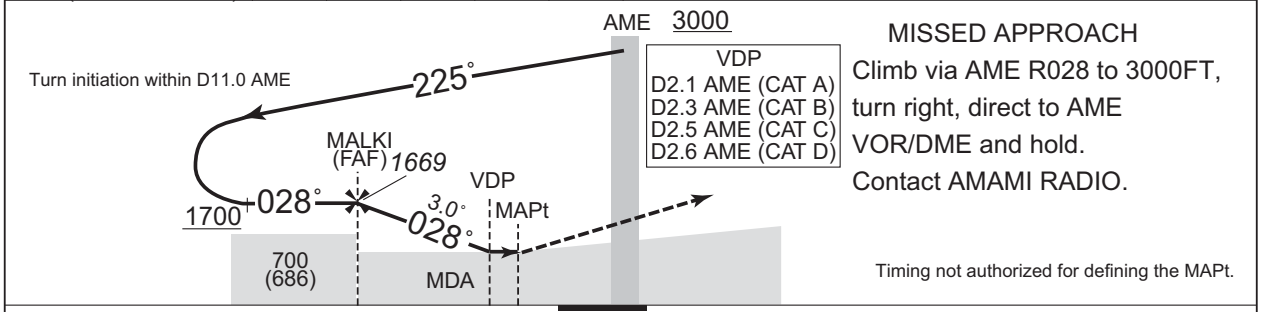
INSTRUMENT APPROACH CHART

RJKA / AMAMI — VOR RWY03

NAHA APP	KASARI VOR/DME	AMAMI RADIO	NO RADAR
124.95 – 280.1	113.95 AME CH–86Y *28˚26´05˝N/129˚42´41˝E*	118.15 - 126.2 AFIS provided by Naha Airport Office	



NM to AME	FAF	5	4	3	MAPt
ALT (3.0˚ APCH Path)	1669	1433	1115	797	–



VDP
D2.1 AME (CAT A)
D2.3 AME (CAT B)
D2.5 AME (CAT C)
D2.6 AME (CAT D)

MISSED APPROACH
Climb via AME R028 to 3000FT,
turn right, direct to AME
VOR/DME and hold.
Contact AMAMI RADIO.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 27 AD elev. 14

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (486)	1000	500 (486)	1600
B	550 (536)	1200	550 (536)	
C	600 (586)		600 (586)	2400
D	640 (626)	1600	640 (626)	3200

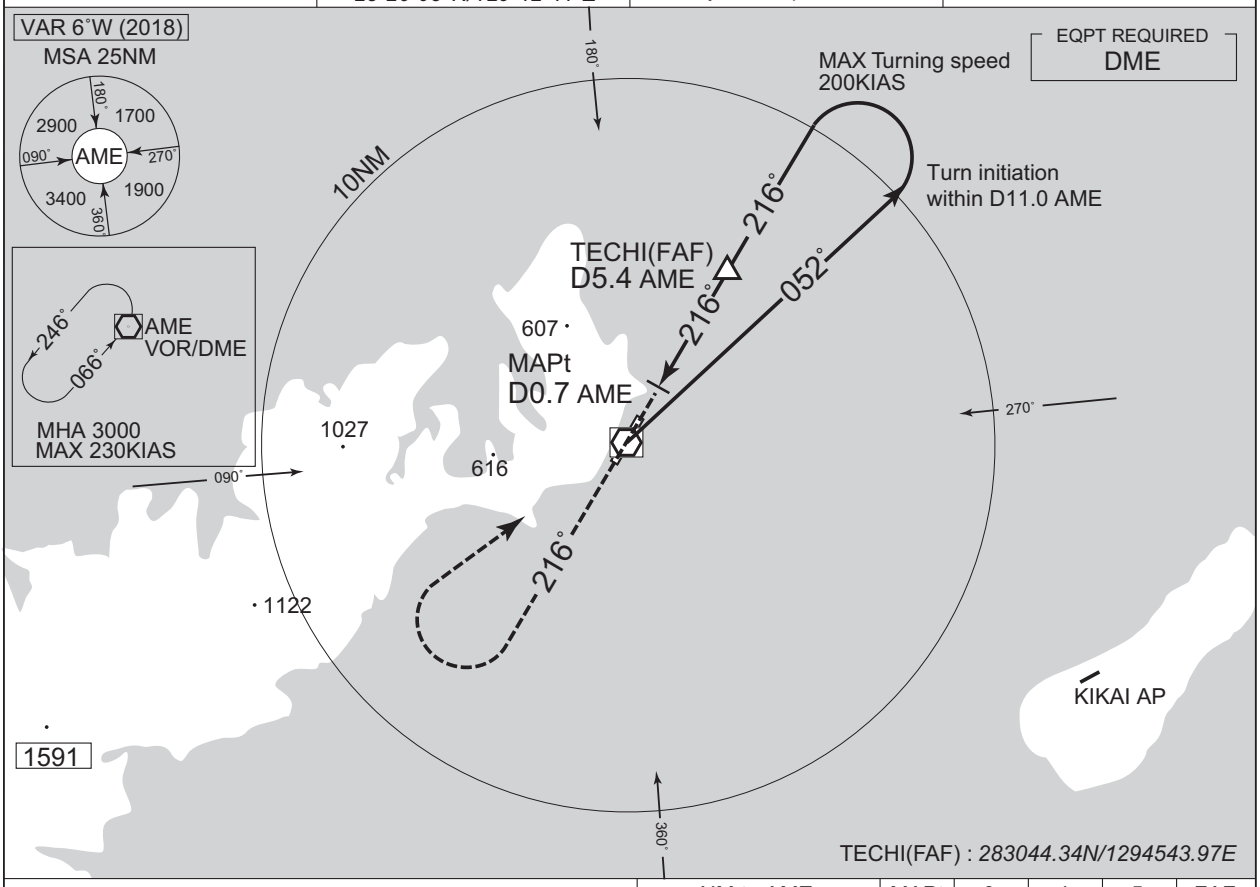
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI — VOR RWY21

NAHA APP	KASARI VOR/DME	AMAMI RADIO	NO RADAR
124.95 – 280.1	113.95 AME CH–86Y *28˚26´05˝N/129˚42´41˝E*	118.15 - 126.2 AFIS provided by Naha Airport Office	

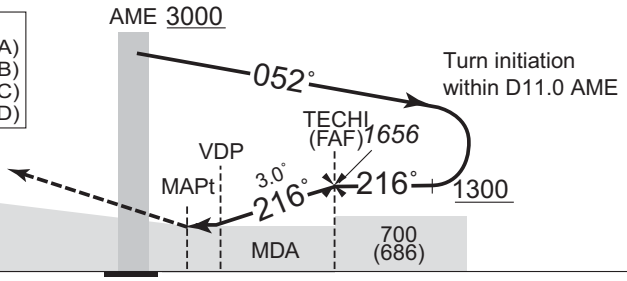


	NM to AME	MAPt	3	4	5	FAF
	ALT (3.0˚ APCH Path)	–	904	1222	1540	1656

MISSED APPROACH
Climb via AME R216 to 3000FT,
turn right, direct to AME
VOR/DME and hold.
Contact AMAMI RADIO.

Timing not authorized for defining the MAPt.

VDP
D1.9 AME (CAT A)
D2.0 AME (CAT B)
D2.2 AME (CAT C)
D2.4 AME (CAT D)



	DME to AME	0.4	0.7	5.4
	NM to THR	0	0.3	5.0

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 14		AD elev. 14	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	530 (516)	1500	530 (516)	1600
B	580 (566)		580 (566)	
C	630 (616)	1800	630 (616)	2400
D	660 (646)	2000	660 (646)	3200

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.

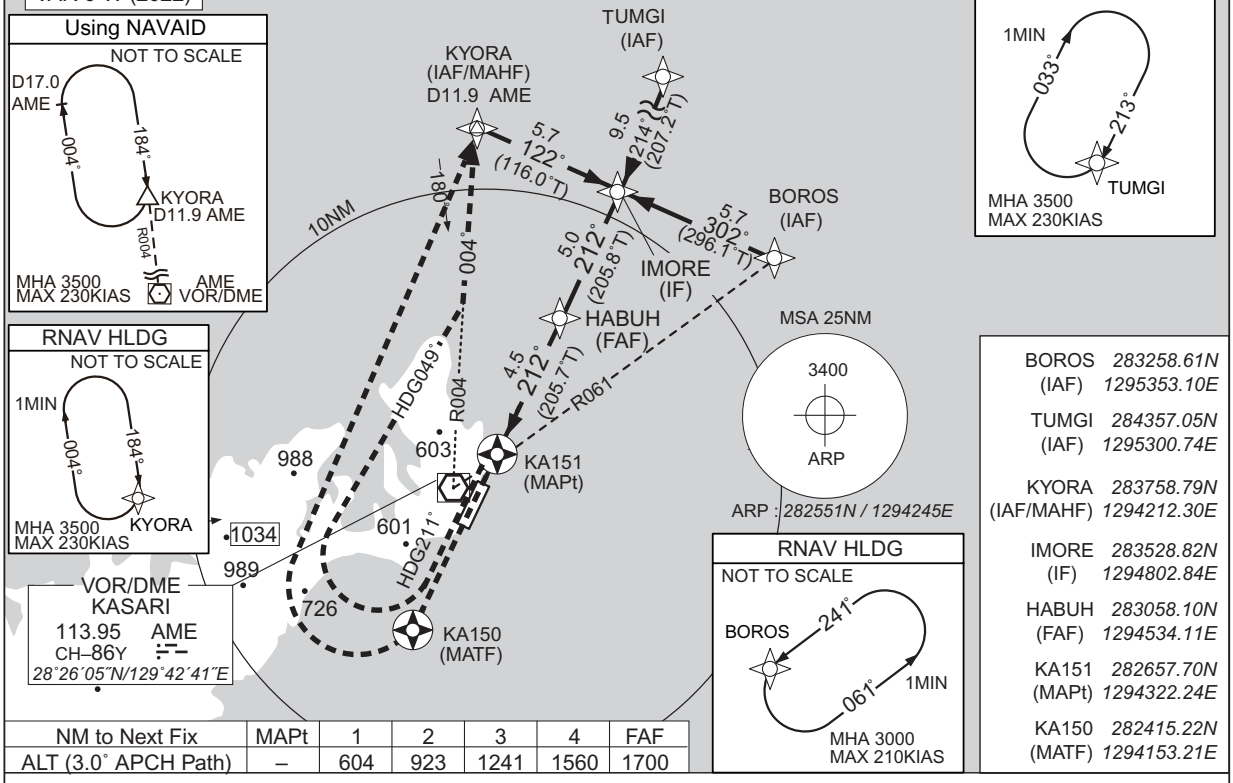
INSTRUMENT APPROACH CHART

RJKA / AMAMI — RNP Z RWY21

NAHA APP	RNP APCH	AMAMI RADIO	NO RADAR
124.95 - 280.1		118.15 - 126.2 AFIS provided by Naha Airport Office	

Baro-VNAV not authorized below 5˚C

VAR 6˚W (2022)



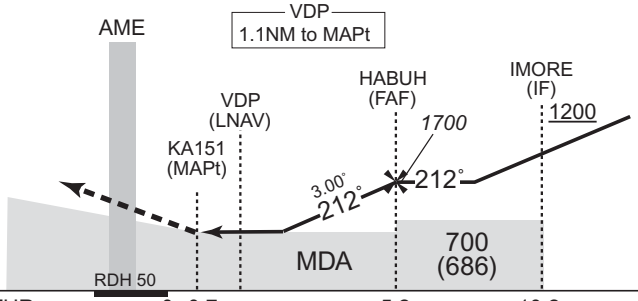
BOROS (IAF)	283258.61N 1295353.10E
TUMGI (IAF)	284357.05N 1295300.74E
KYORA (IAF/MAHF)	283758.79N 1294212.30E
IMORE (IF)	283528.82N 1294802.84E
HABUH (FAF)	283058.10N 1294534.11E
KA151 (MAPt)	282657.70N 1294322.24E
KA150 (MATF)	282415.22N 1294153.21E

NM to Next Fix	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	604	923	1241	1560	1700

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.



Missed APCH climb gradient MNM 5.0%

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

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

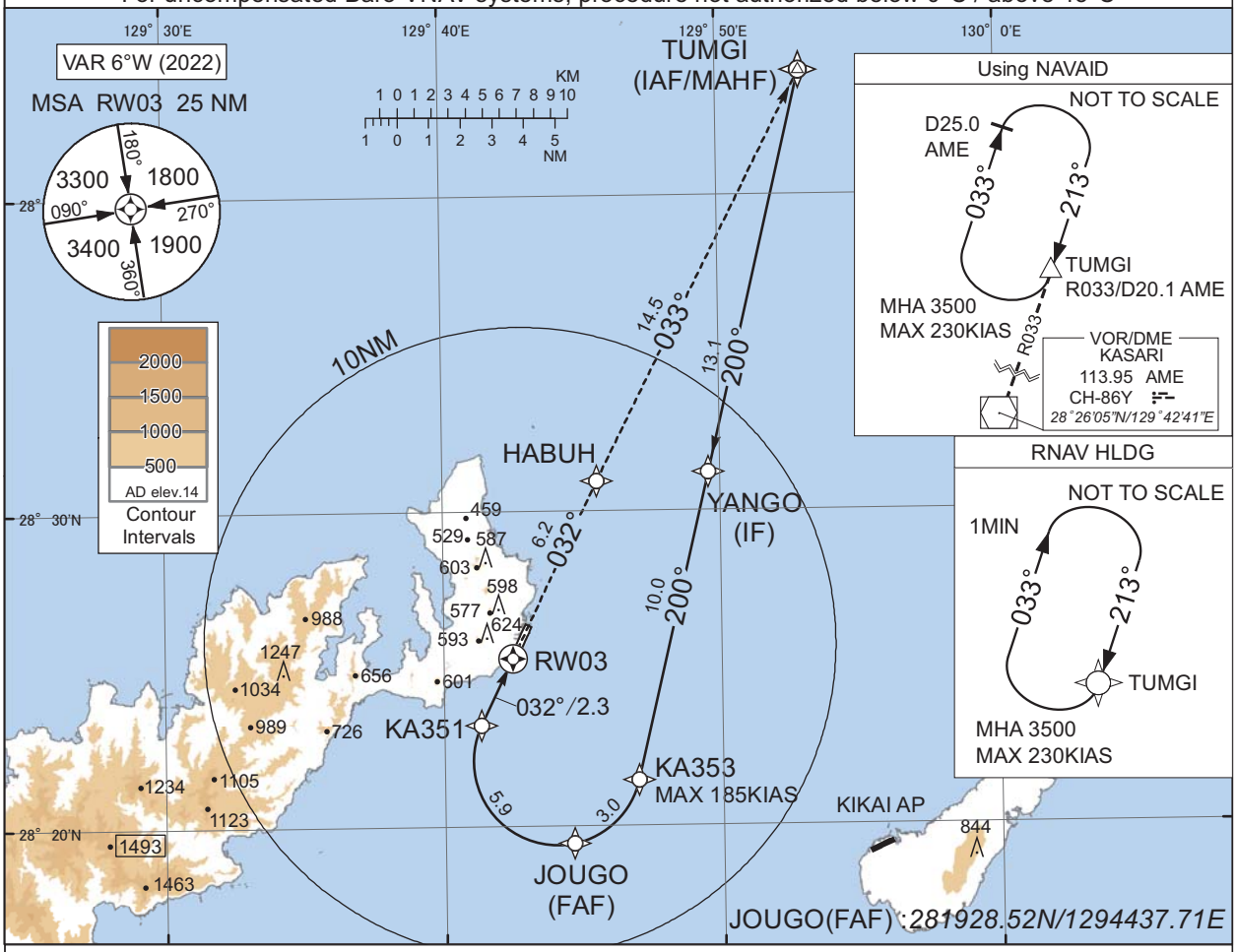
CHANGE : VAR. PROC course FM TUMGI to IMORE. RNAV HLDG established(KYORA,BOROS,TUMGI).
HLDG for NAVAIDS abolished(TUMGI,BOROS).

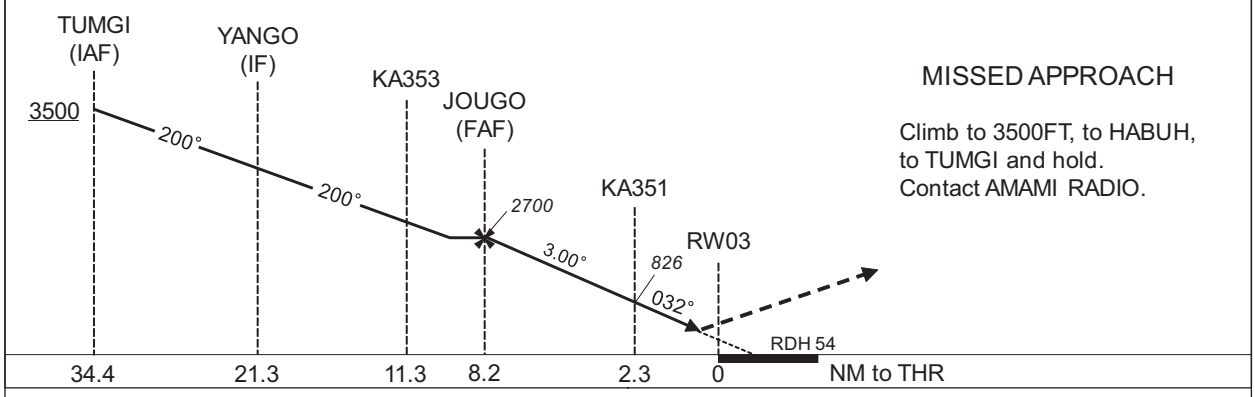
INSTRUMENT APPROACH CHART

RJKA / AMAMI — RNP RWY03(AR)

NAHA APP 124.95 - 280.1	RNP AR 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 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	-	-	-	-
B				
C	327(300)	1000	554(527)	1200
D		1400		1600

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

Authorization Required

CHANGE : VAR. MSA (BTN 090° and 180°). RNAV HLDG established.

INSTRUMENT APPROACH CHART

RJKA / AMAMI RNP RWY03(AR)

CHANGE : VAR. RNAV HLDG established.

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	TUMGI	-	-	-6.3	-	-	+3500	-	-	-
002	TF	YANGO	-	200 (193.3)	-6.3	13.1	-	-	-	-	1.0
003	TF	KA353	-	200 (193.3)	-6.3	10.0	-	+2700	-185	-	1.0
004	RF Center: KARF1 r=2.65NM	JOUGO	-	-	-6.3	3.0	R	2700	-	-	1.0
005	RF Center: KARF1 r=2.65NM	KA351	-	-	-6.3	5.9	R	826	-	-3.00	0.13 0.30
006	TF	RW03	Y	032 (025.7)	-6.3	2.3	-	81	-	-3.00/54	0.13 0.30
007	TF	HABUH	-	032 (025.7)	-6.3	6.2	-	-	-	-	1.0
008	TF	TUMGI	-	033 (026.7)	-6.3	14.5	-	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	TUMGI	213 (207.0)	-6.3	1.0 (-14000)	R	3500	FL140	-230 (-14000)	1.0

Waypoint Coordinates

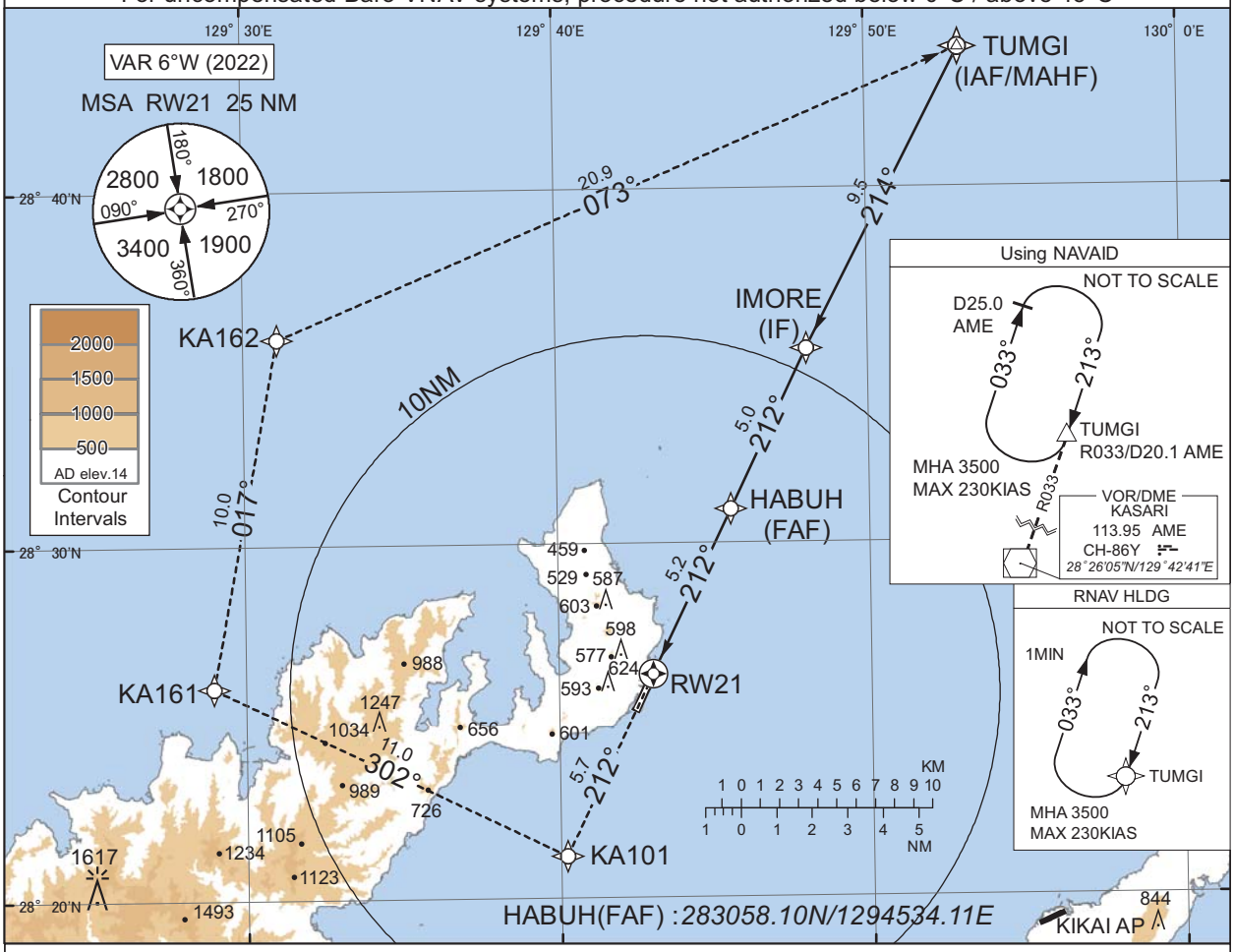
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TUMGI	*284357.05N / 1295300.74E*	KARF1	*282205.14N / 1294402.59E*
YANGO	*283113.92N / 1294935.29E*		
KA353	*282128.37N / 1294658.25E*		
JOUGO	*281928.52N / 1294437.71E*		
KA351	*282314.74N / 1294120.10E*		
RW03	*282521.39N / 1294229.46E*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

INSTRUMENT APPROACH CHART

RJKA / AMAMI — RNP Y RWY21(AR)

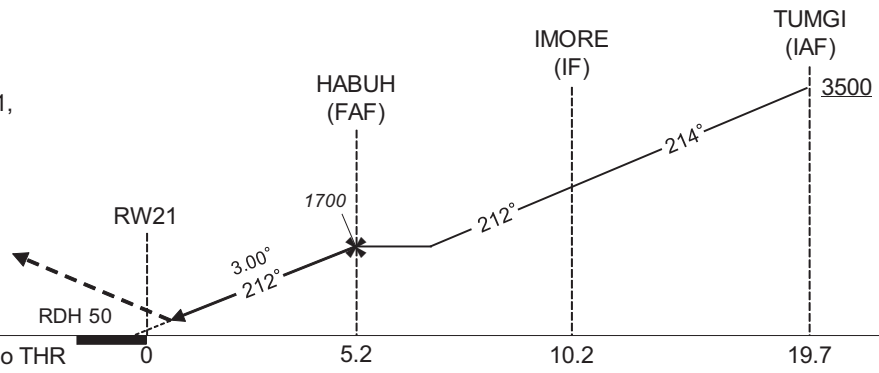
NAHA APP 124.95 - 280.1	RNP AR	AMAMI RADIO 118.15 - 126.2 AFIS provided by Naha Airport Office	NO RADAR

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



MISSED APPROACH

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



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

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

Authorization Required

CHANGE : VAR. PROC course FM TUMGI to IMORE. RNAV HLDG established.

INSTRUMENT APPROACH CHART

RJKA / AMAMI RNP Y RWY21(AR)

CHANGE : VAR. PROC course FM TUMGI to IMORE. RNAV HLDG established.

Coding Table

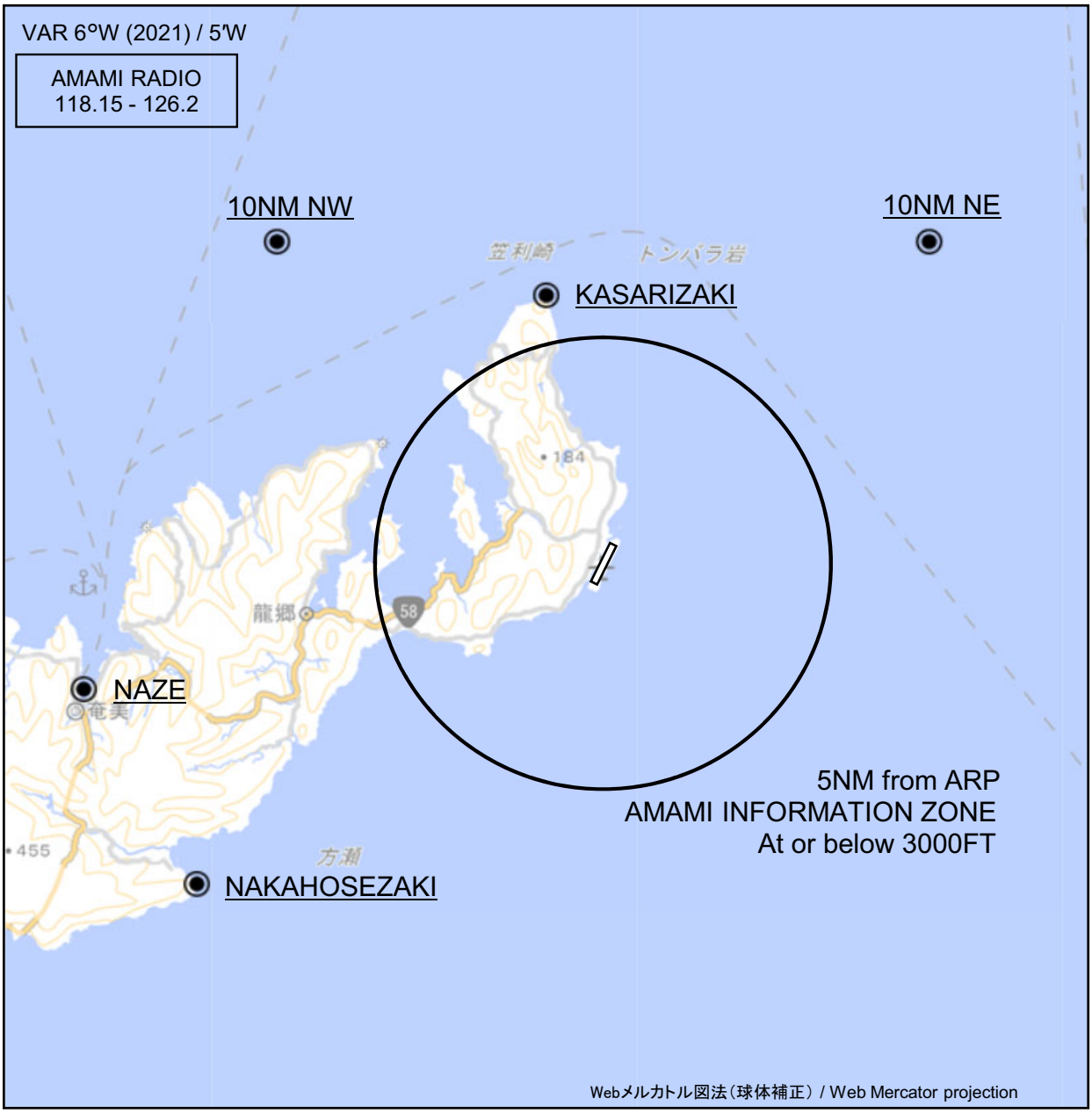
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	TUMGI	-	-	-6.3	-	-	+3500	-	-	-
002	TF	IMORE	-	214 (207.2)	-6.3	9.5	-	-	-	-	1.0
003	TF	HABUH	-	212 (205.8)	-6.3	5.0	-	1700	-	-	1.0
004	TF	RW21	Y	212 (205.7)	-6.3	5.2	-	64	-	-3.00/50	0.14 0.30
005	TF	KA101	-	212 (205.7)	-6.3	5.7	-	-	-	-	1.0
006	TF	KA161	-	302 (295.9)	-6.3	11.0	-	-	-	-	1.0
007	TF	KA162	-	017 (010.7)	-6.3	10.0	-	-	-	-	1.0
008	TF	TUMGI	-	073 (067.1)	-6.3	20.9	-	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	TUMGI	213 (207.0)	-6.3	1.0 (-14000)	R	3500	FL140	-230 (-14000)	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*

RJKA / AMAMI 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 : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
10NM NE	045°T / 10.0NM	海上 Over the sea
10NM NW	315°T / 10.0NM	海上 Over the sea
笠利崎 Kasarizaki	348°T / 6.0NM	灯台 Lighthouse
名瀬 Naze	256°T / 11.7NM	港 Harbor
仲干瀬崎 Nakahosezaki	231°T / 11.4NM	岬 Cape

RJKA / AMAMI Minimum Vectoring Altitude CHART