

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 |
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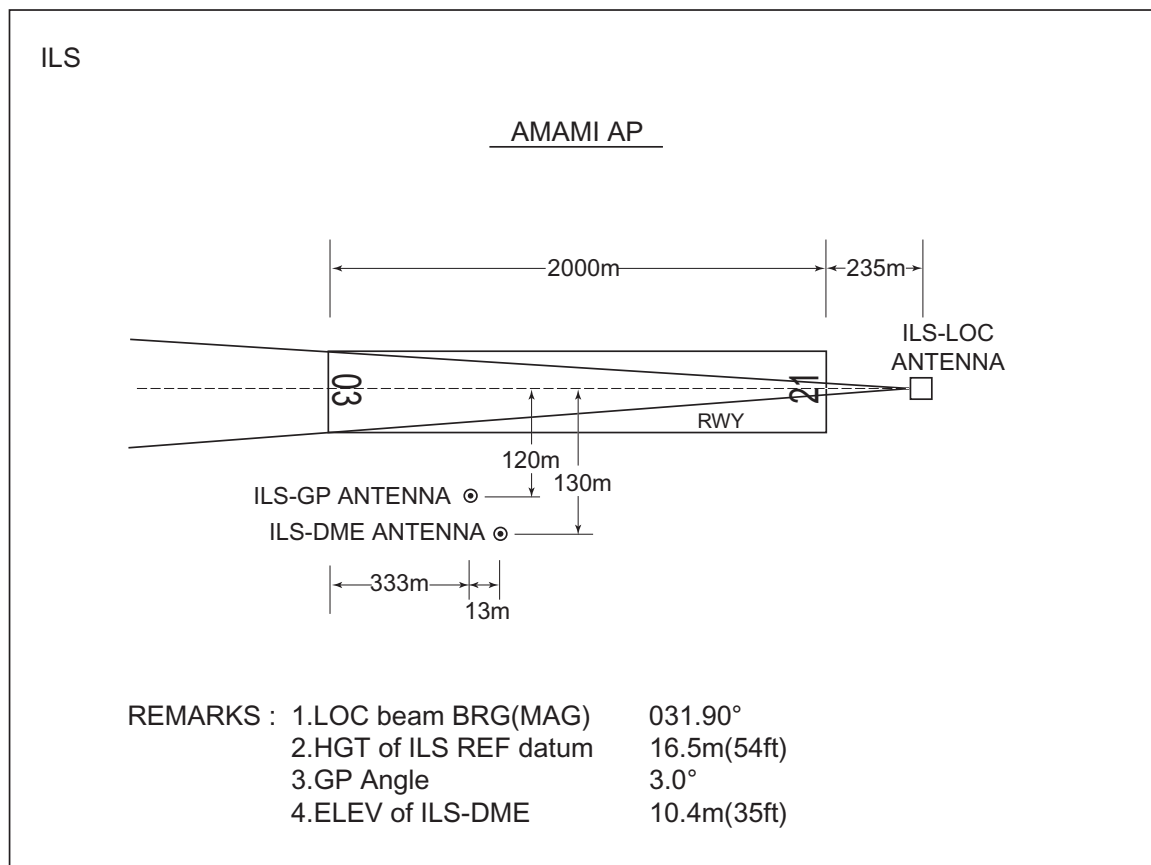
RJKA AD 2.17 ATS AIRSPACE

| 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

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| PPR for transient ACFT to use this AP. |
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2. Taxiing to and from stands

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| Nil |
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3. Parking area for small aircraft(General aviation)

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| Nil |
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4. Parking area for helicopters

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| Nil |
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5. Apron - taxiing during winter conditions

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| Nil |
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6. Taxiing - limitations

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

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|-----|
| Nil |
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8. Helicopter traffic - limitation

| |
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| Nil |
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9. Removal of disabled aircraft from runways

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| Nil |
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RJKA AD 2.21 NOISE ABATEMENT PROCEDURES

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|-----|
| 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

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| Nil |
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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)

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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

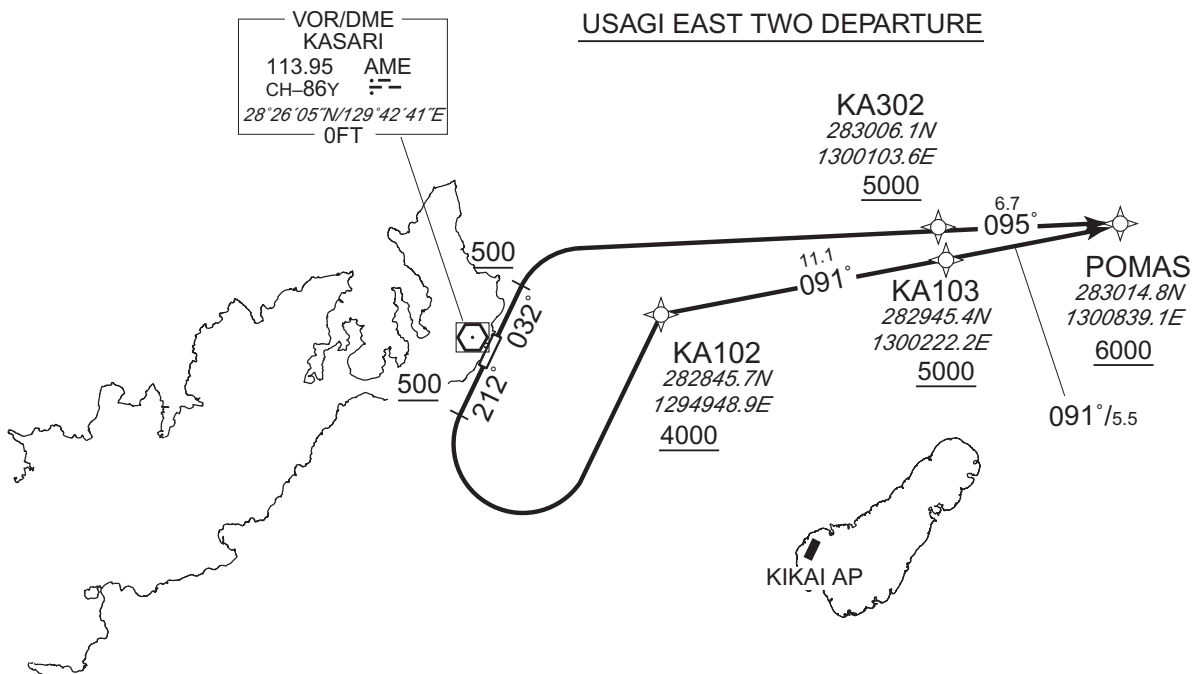
RNAV SID

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

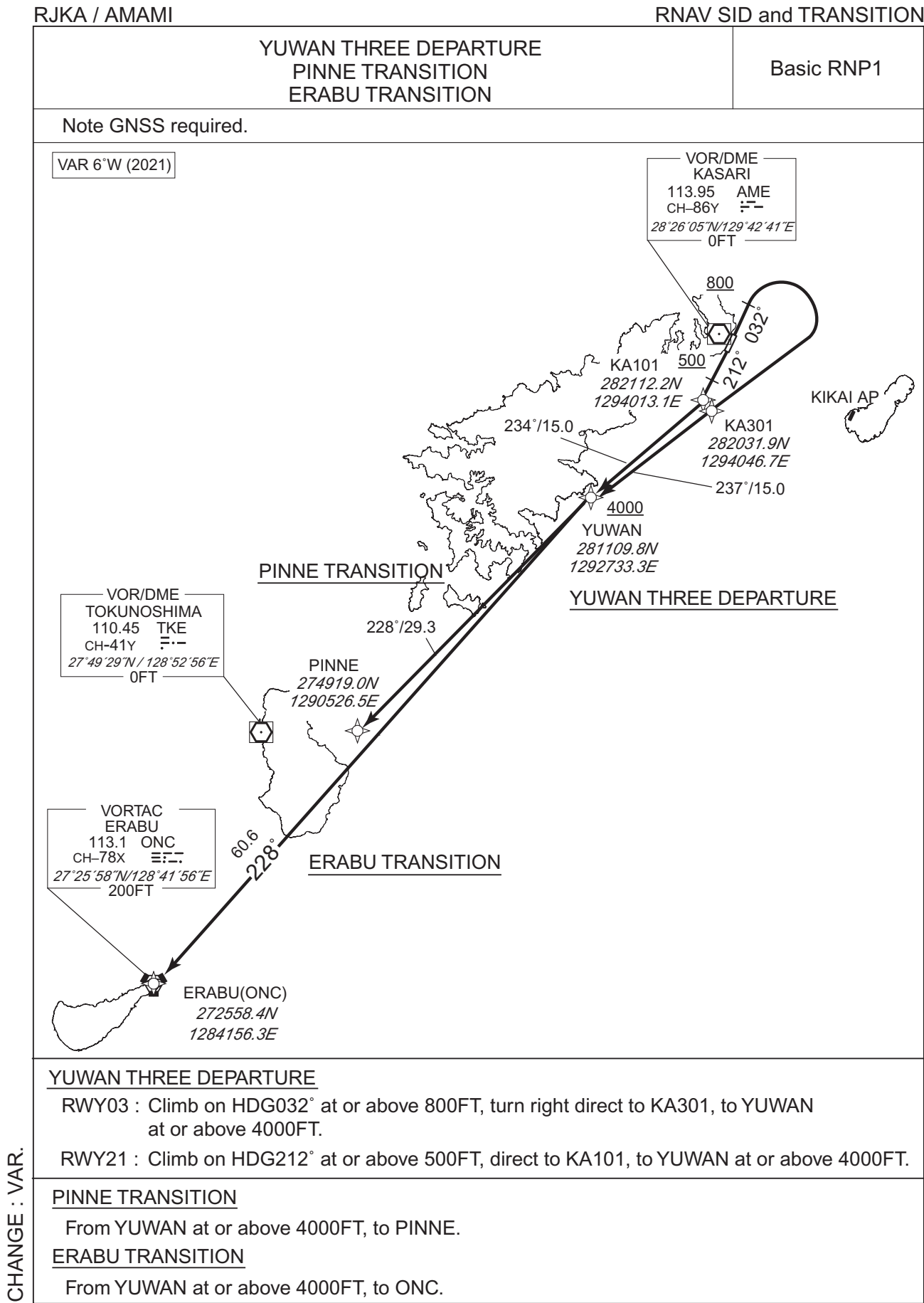
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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

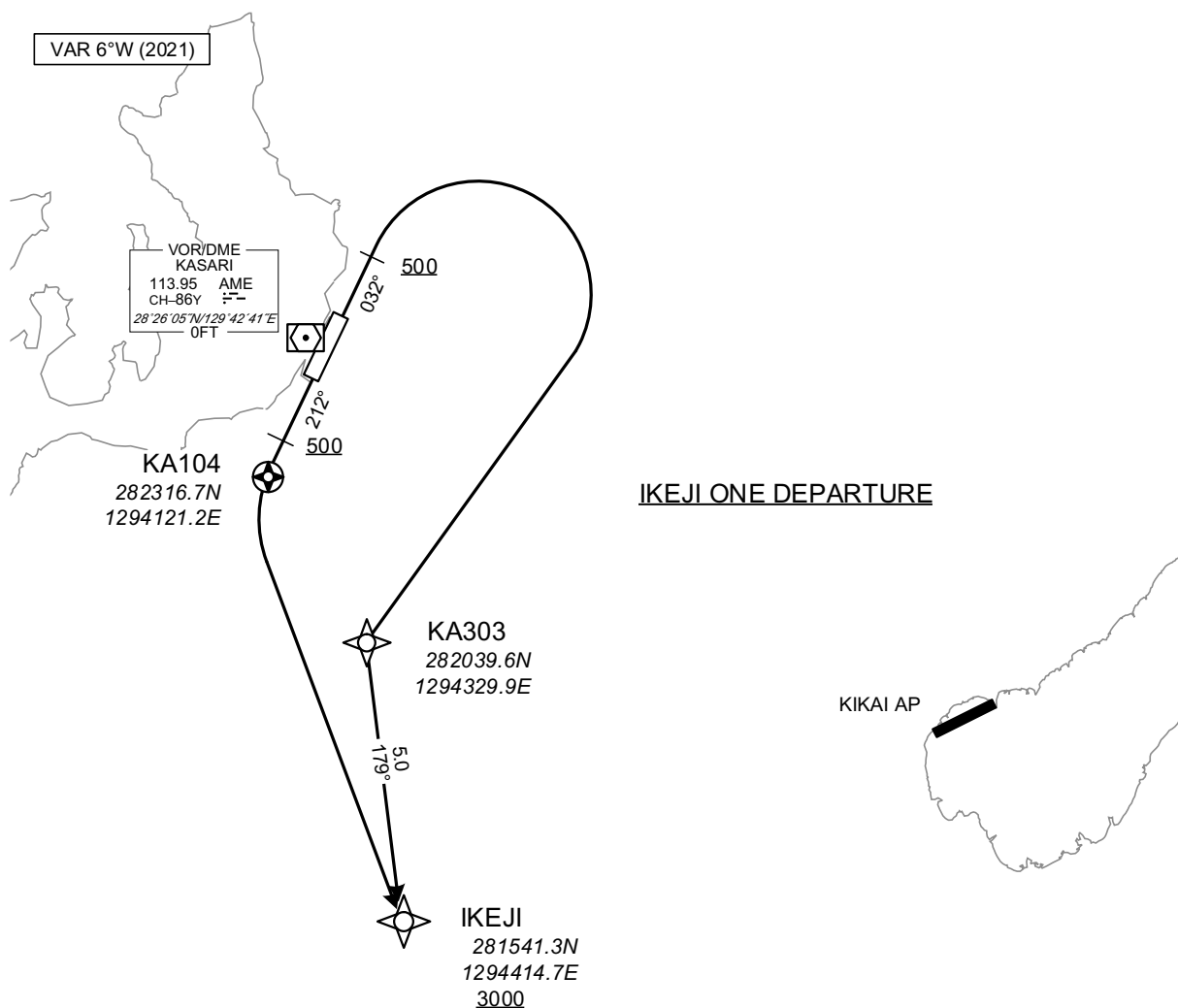
RJKA / AMAMI

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.

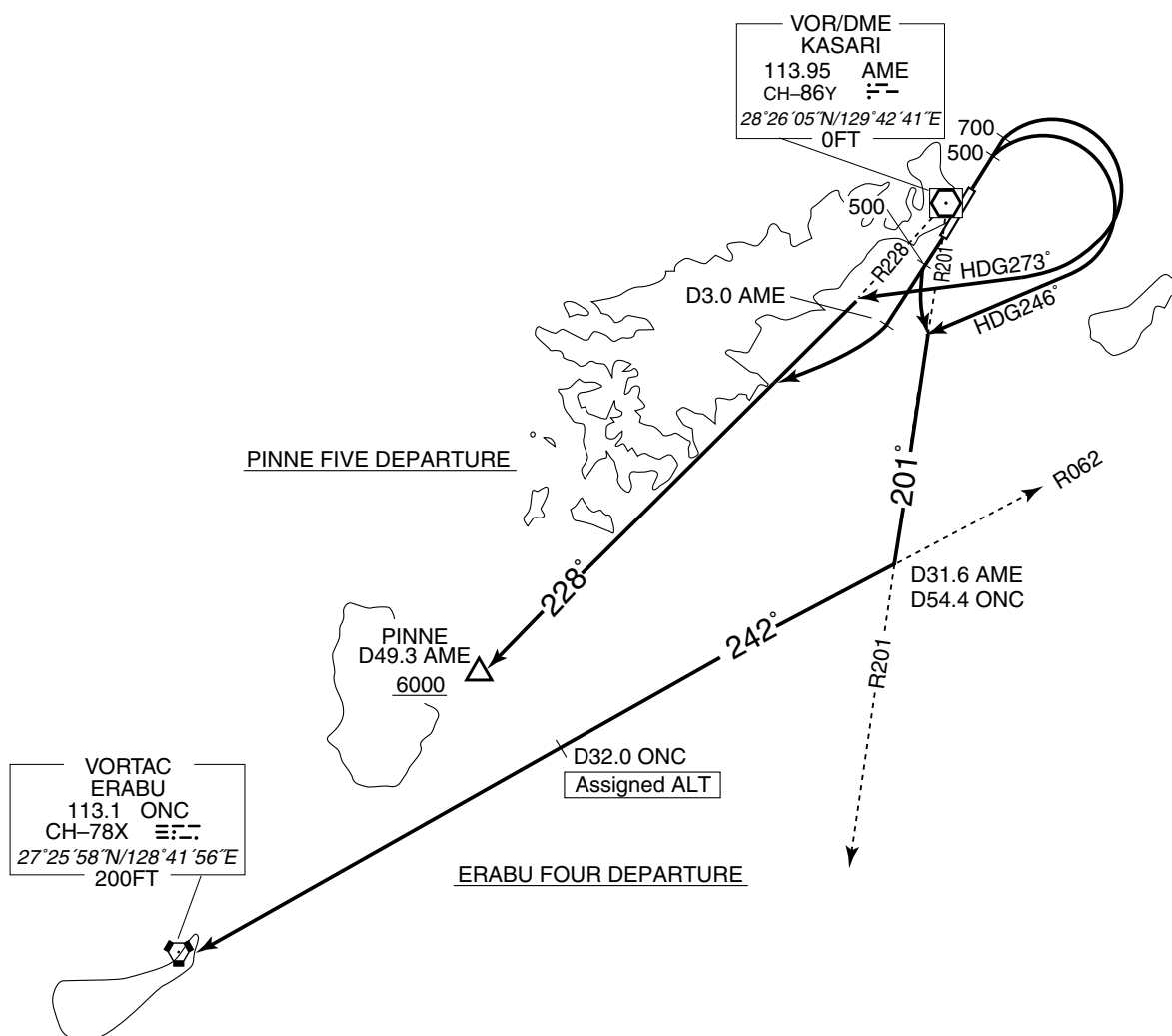
ERABU FOUR DEPARTURE

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

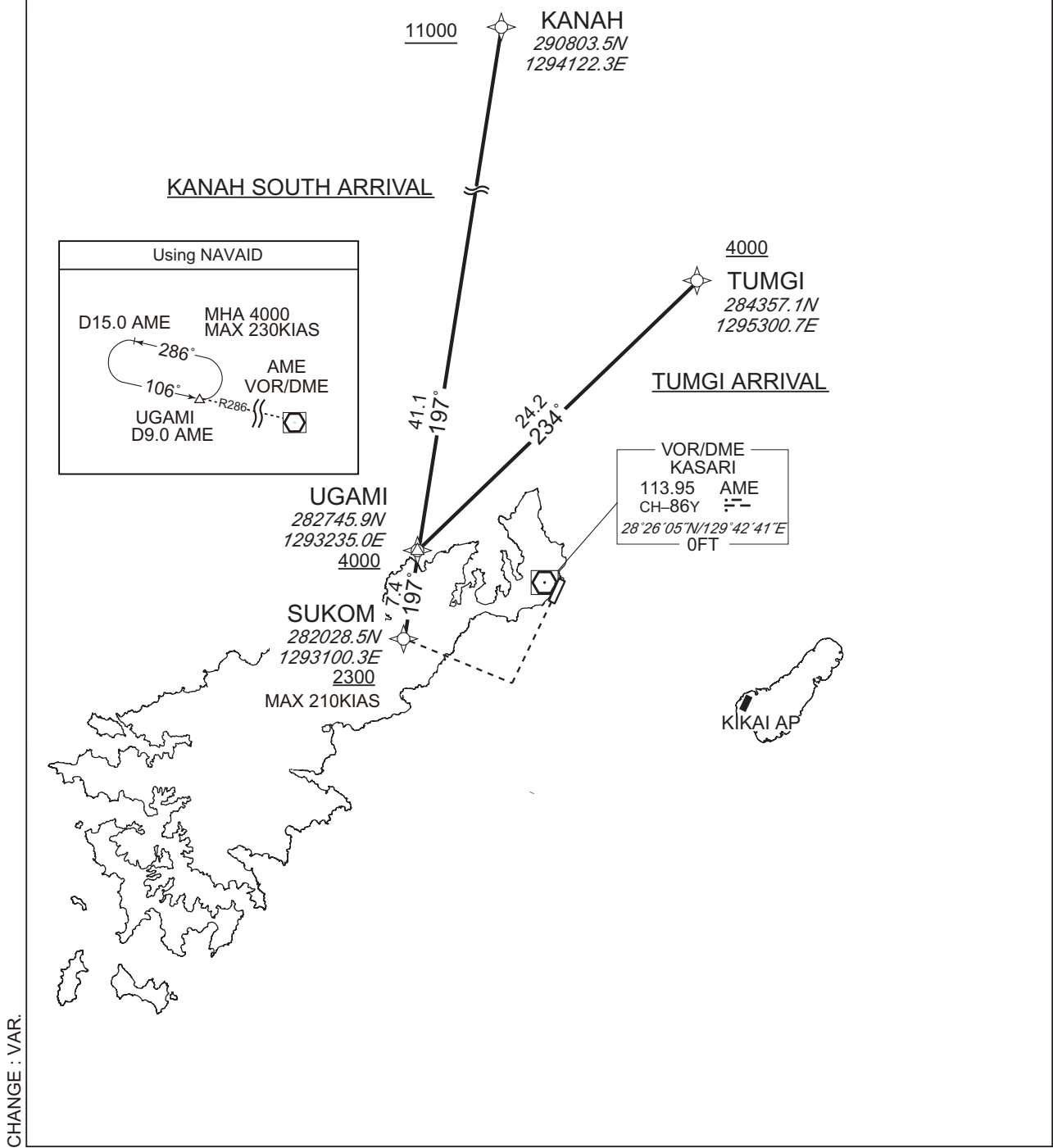
RJKA / AMAMI

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 |

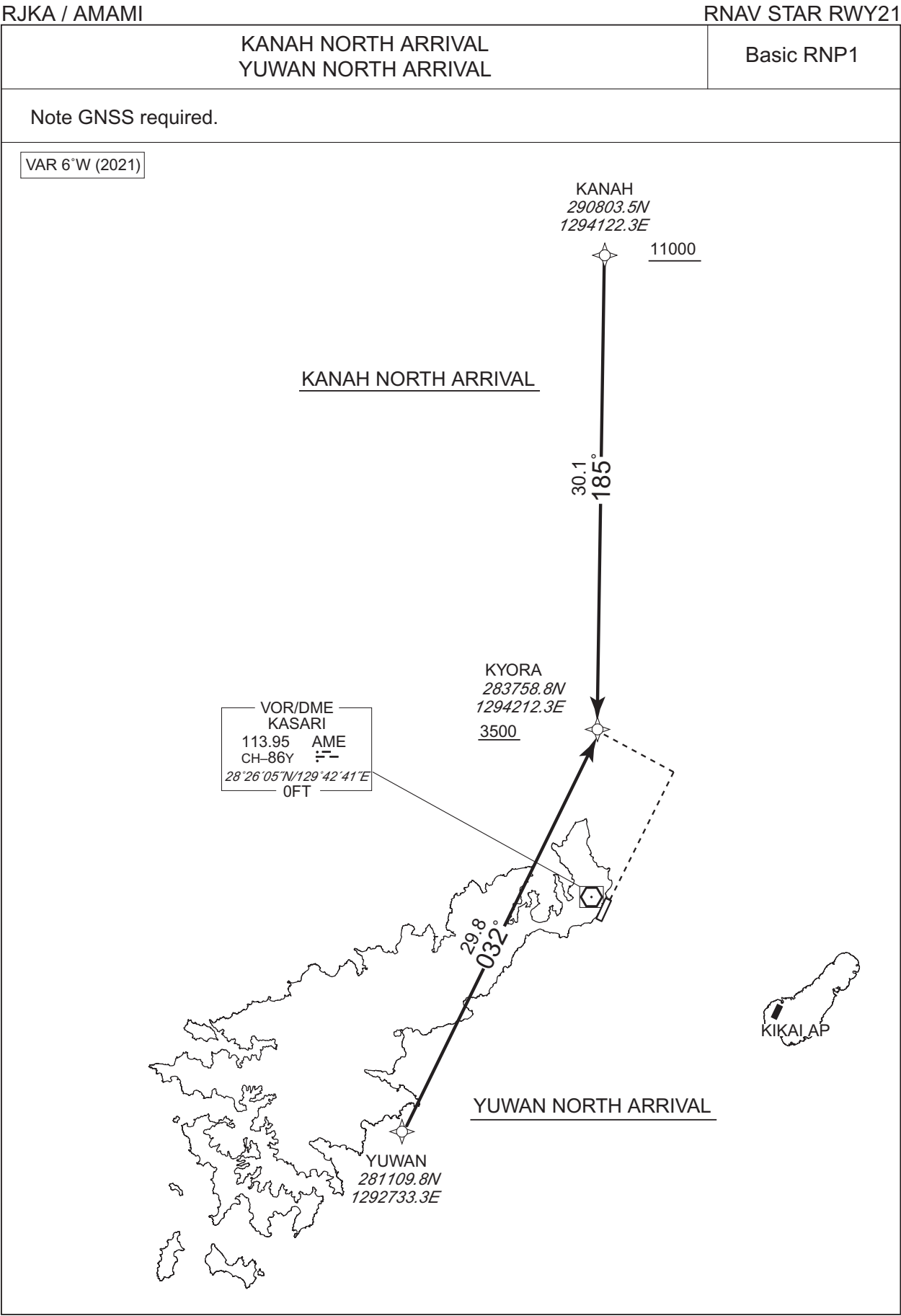
TUMGI ARRIVAL

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

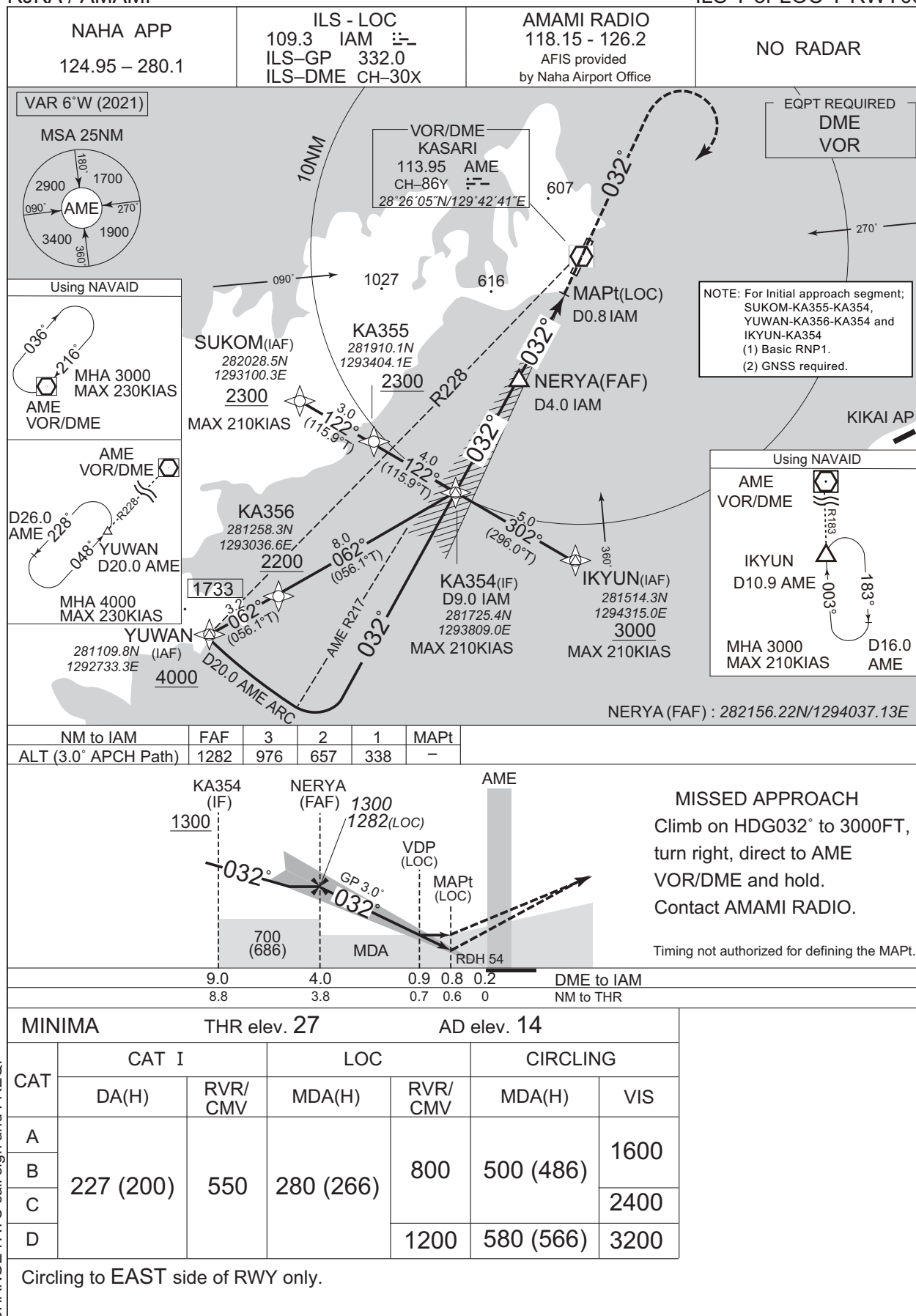


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

ILS Y or LOC Y RWY03

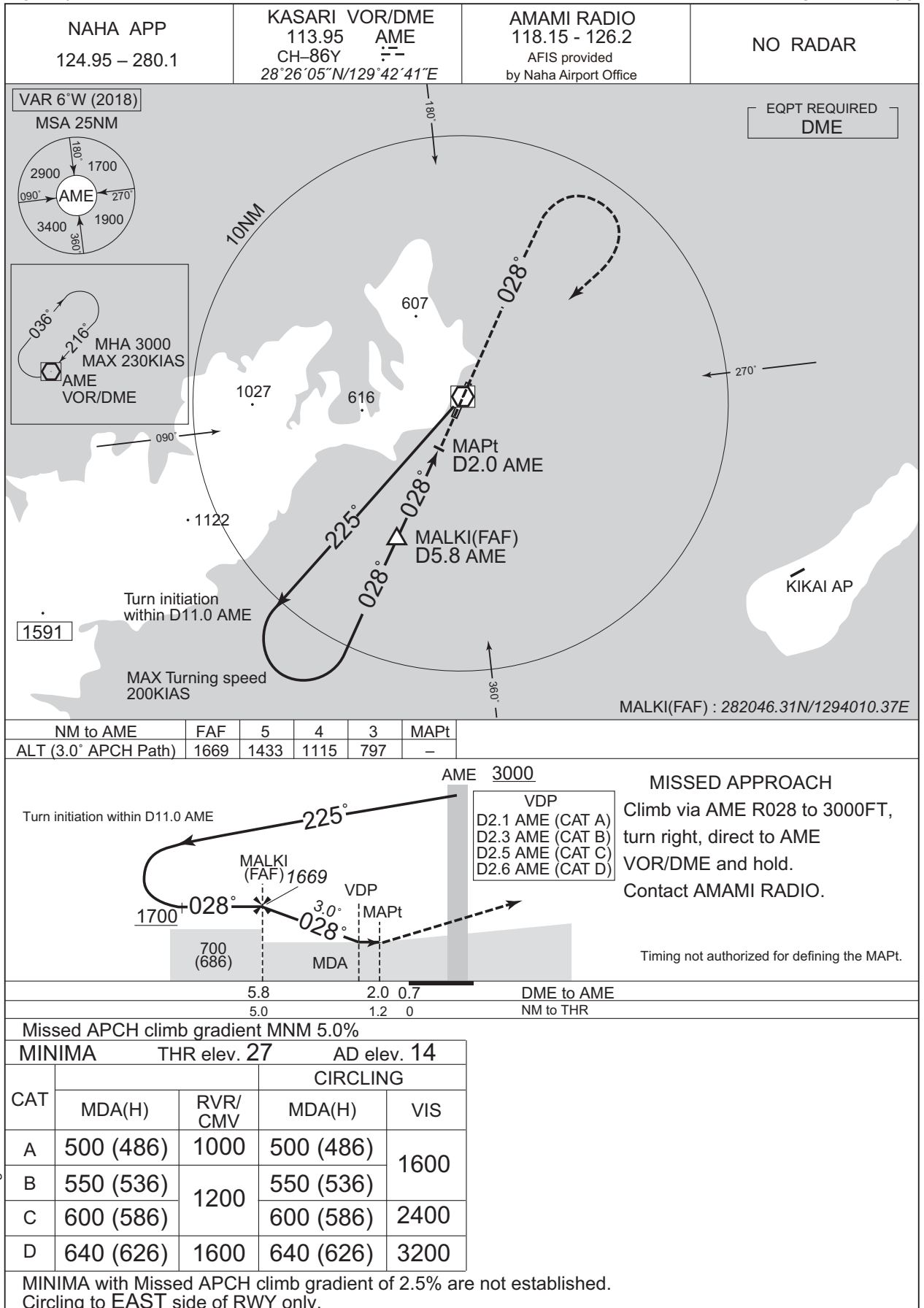


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY03



CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY21



CHANGE : ATC call sign and FREQ.

RJKA / AMAMI

RNAV(GNSS) Z RWY21

CHANGE : ATC call sign and FREQ. VAR.

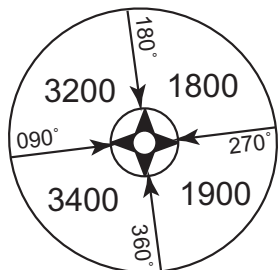
RJKA / AMAMI

RNAV(RNP) RWY03

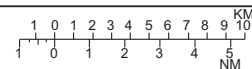
| | | | |
|----------------------------|----------------------|--|----------|
| NAHA APP 124.95 – 280.1 | GNSS and RF required | AMAMI RADIO 118.15 - 126.2 AFIS provided by Naha Airport Office | NO RADAR |
|----------------------------|----------------------|--|----------|

VAR 6°W (2021)

MSA RW03 25NM

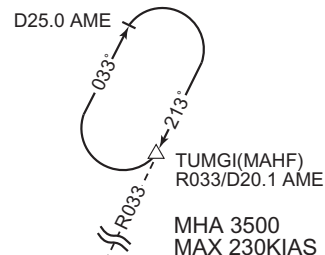


TUMGI
(IAF/MAHF)



Using NAVAID

NOT TO SCALE

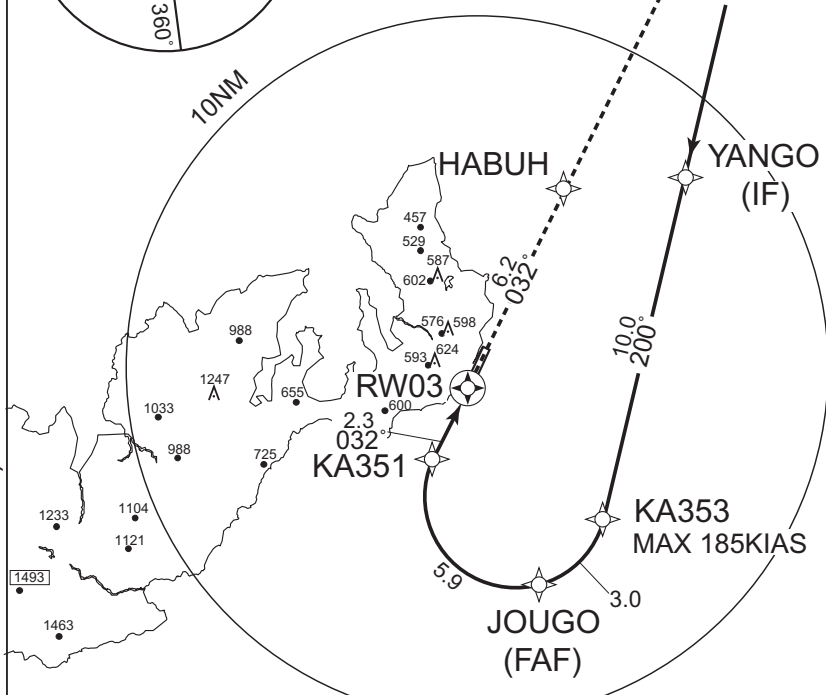


— VOR/DME —

KASARI
112 OF AME

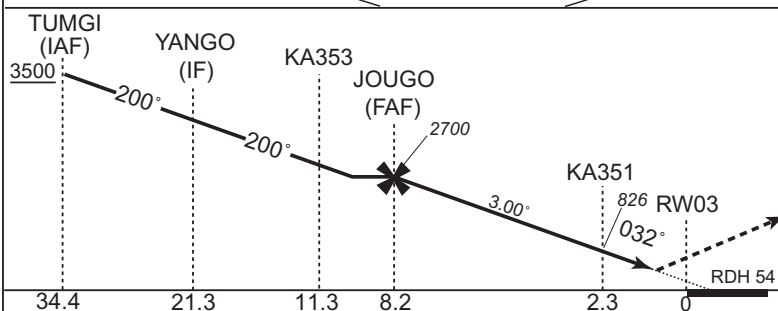
CH-86Y $\frac{\div}{-}$

28°26'05"N/129°42'4



KIKAI AP

JOUGO(FAF) :281928.52N/1294437.71E



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 | — | — | — | — |
| B | | | | |
| C | 327(300) | 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

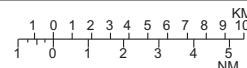
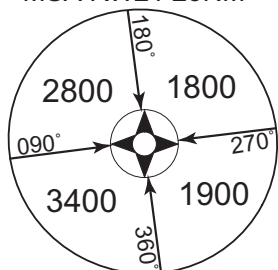
AMAMI RADIO
118.15 - 126.2
AFIS provided
by Naha Airport Office

NO RADAR

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

VAR 6°W (2021)

MSA RW21 25NM



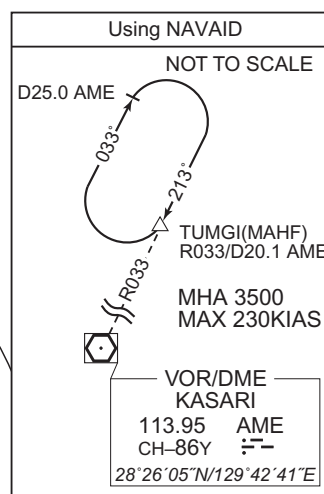
KA162

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

RW21

KA161

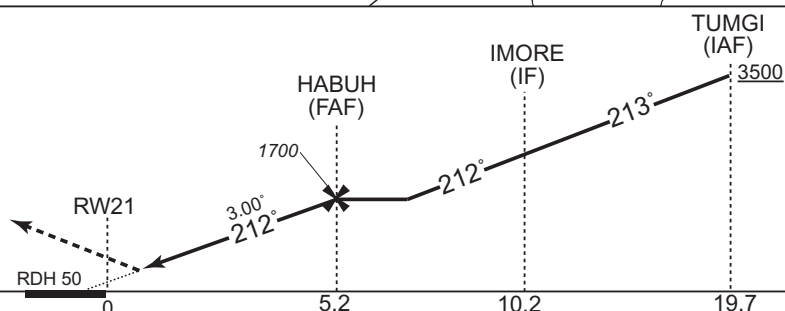
KA101



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

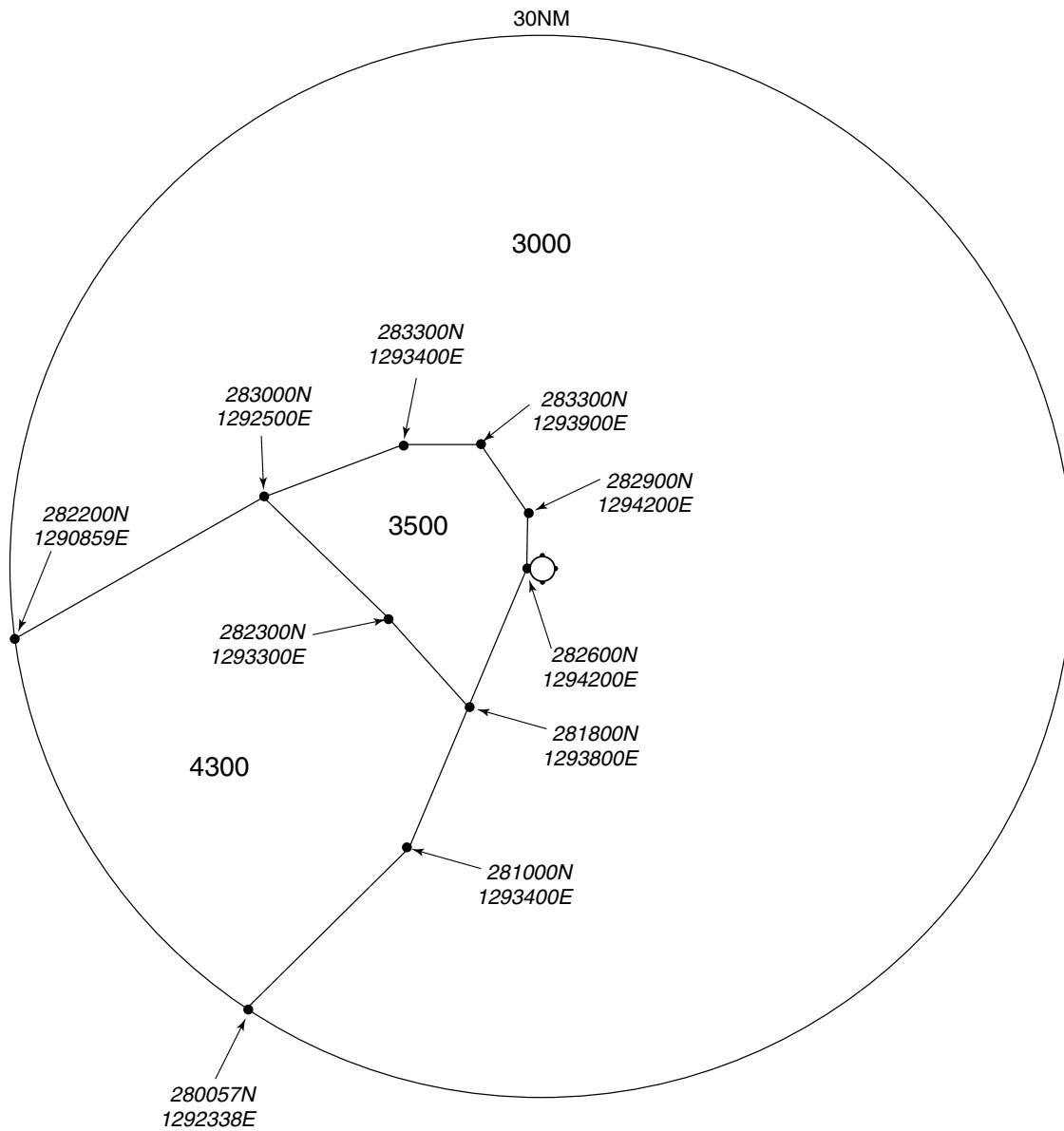
Visual REP



| 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)