

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

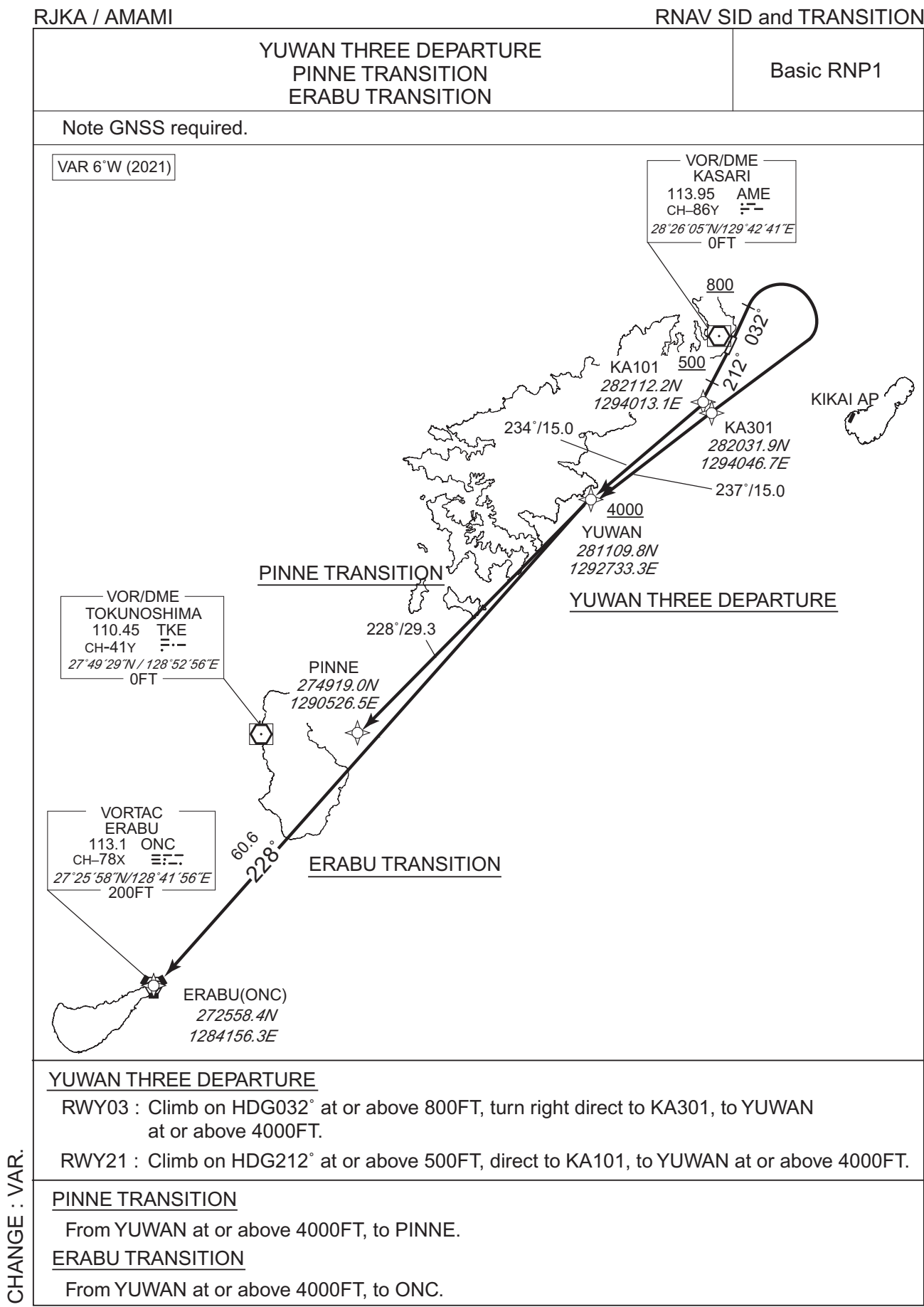
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|-----------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

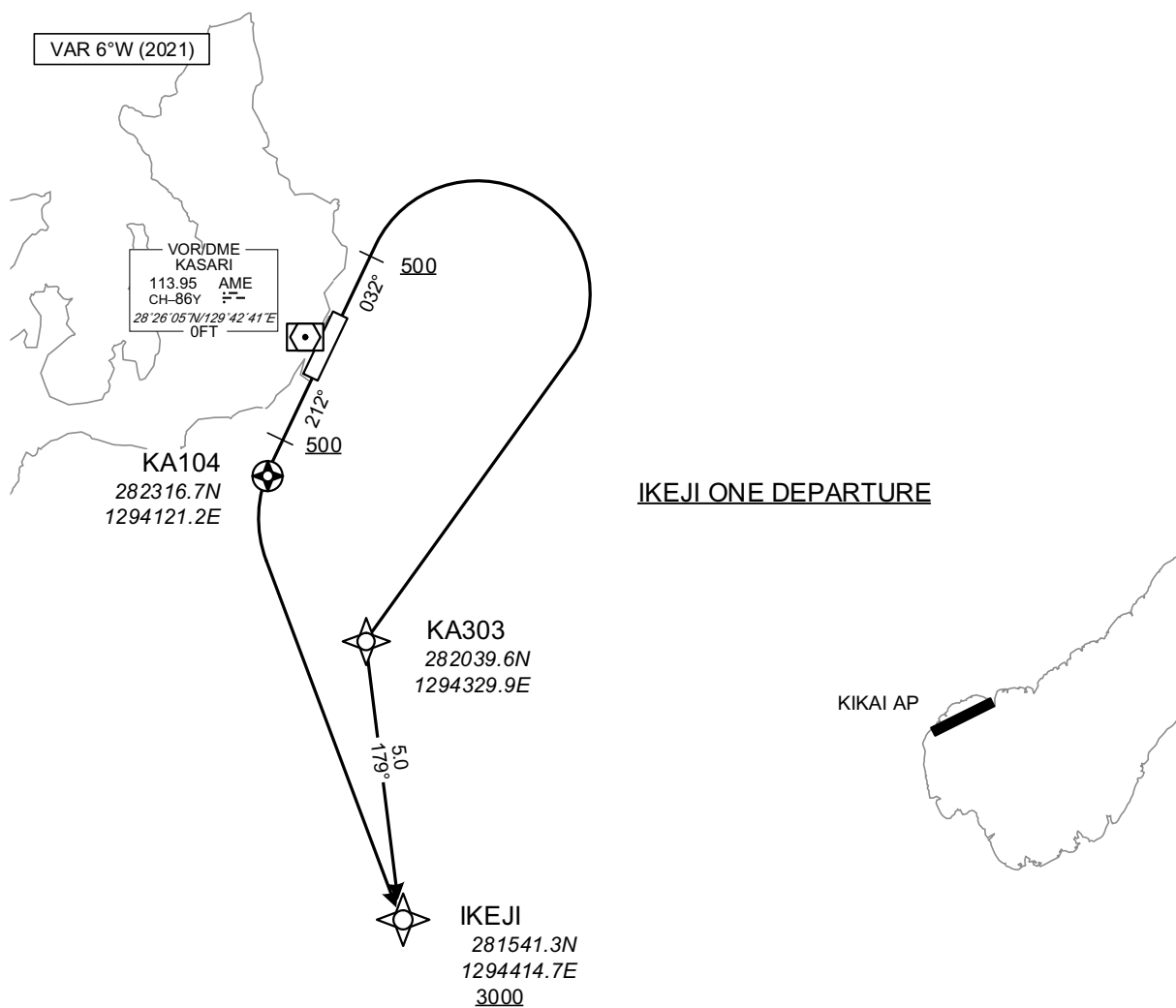
RJKA / AMAMI

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.



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STANDARD ARRIVAL CHART-INSTRUMENT

RJKA / AMAMI

RNAV STAR RWY03

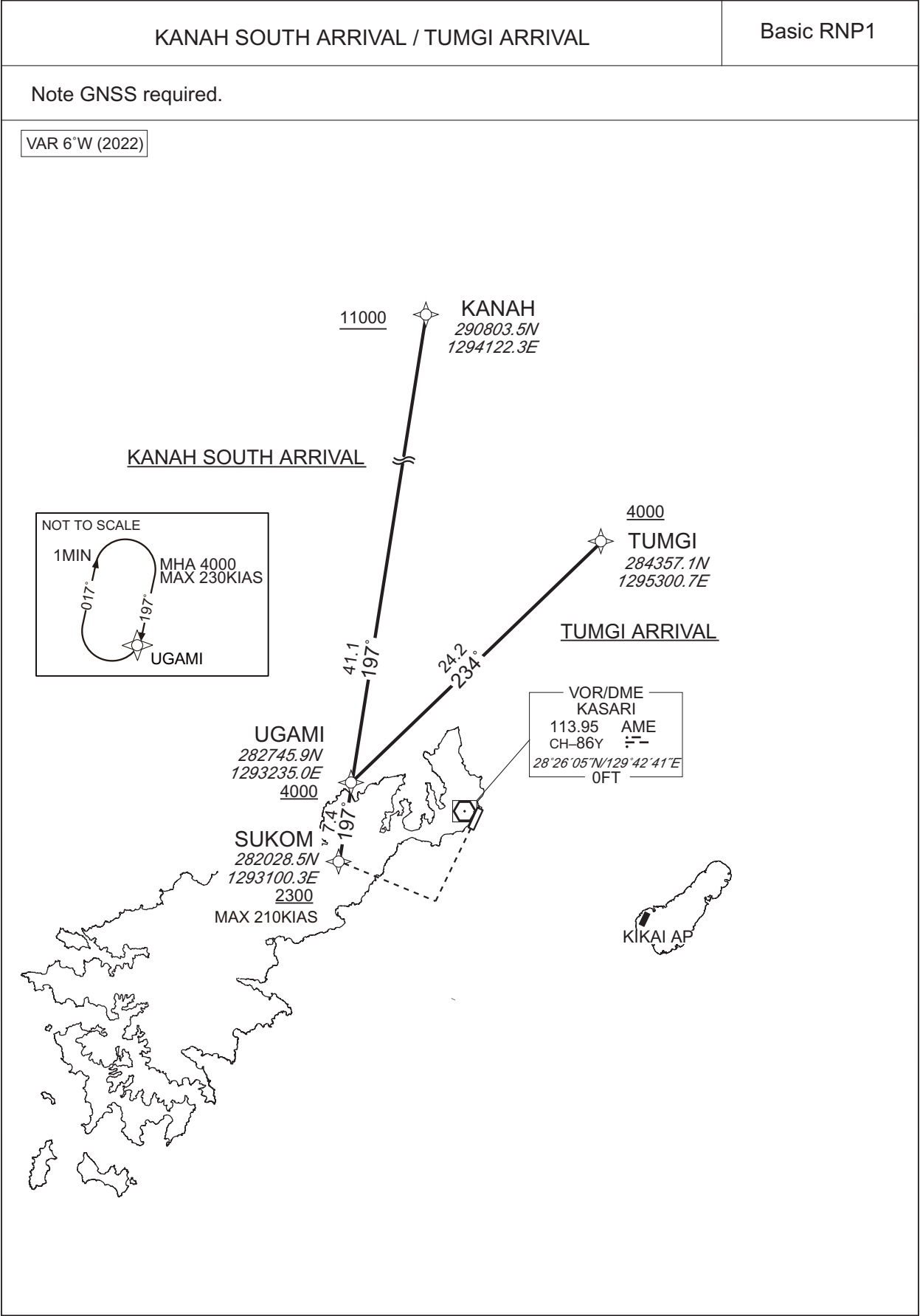
KANAH SOUTH ARRIVAL / TUMGI ARRIVAL

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

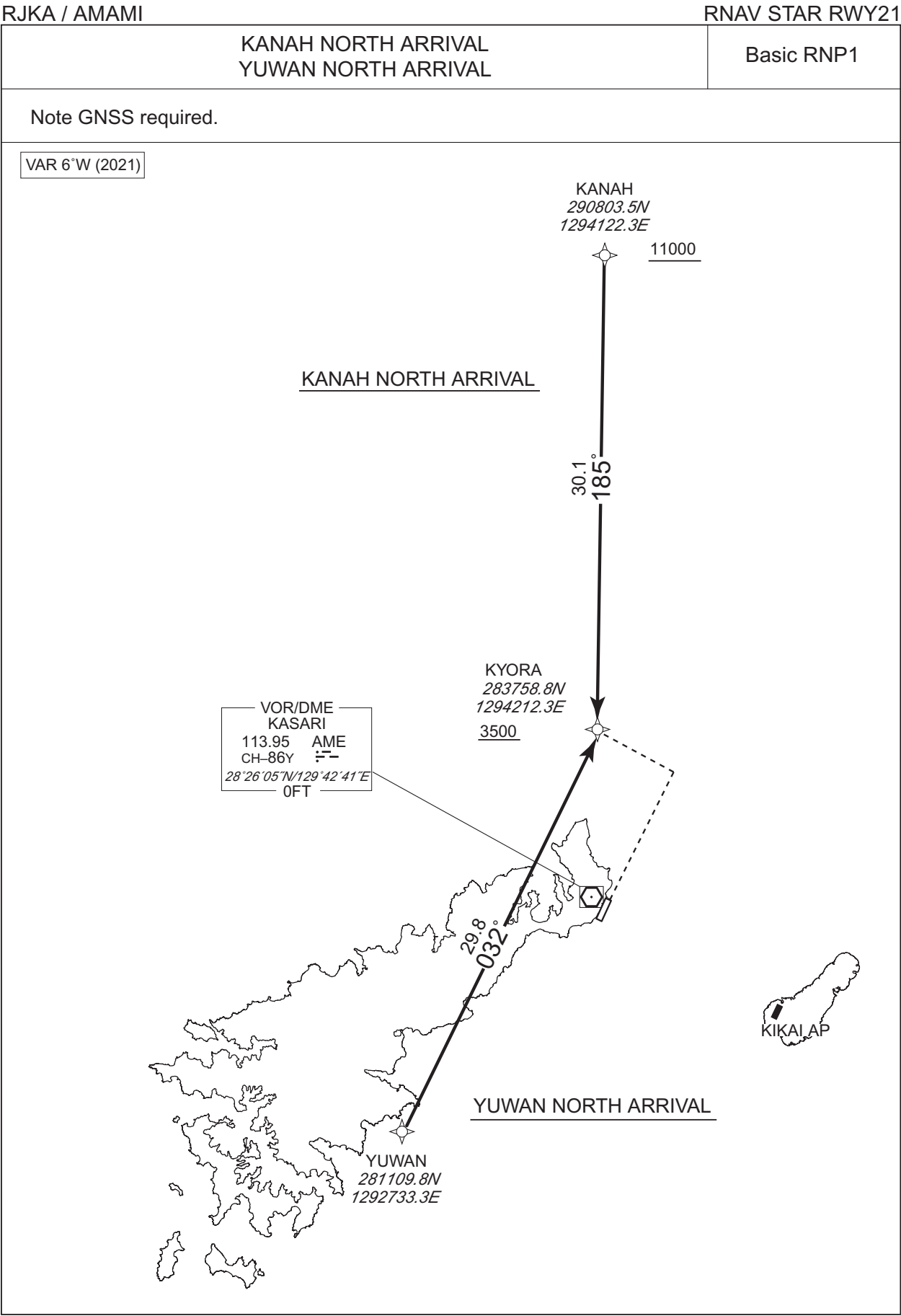
From TUMGI at or above 4000FT, to UGAMI at or above 4000FT, to SUKOM at or above 2300FT.

| 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



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

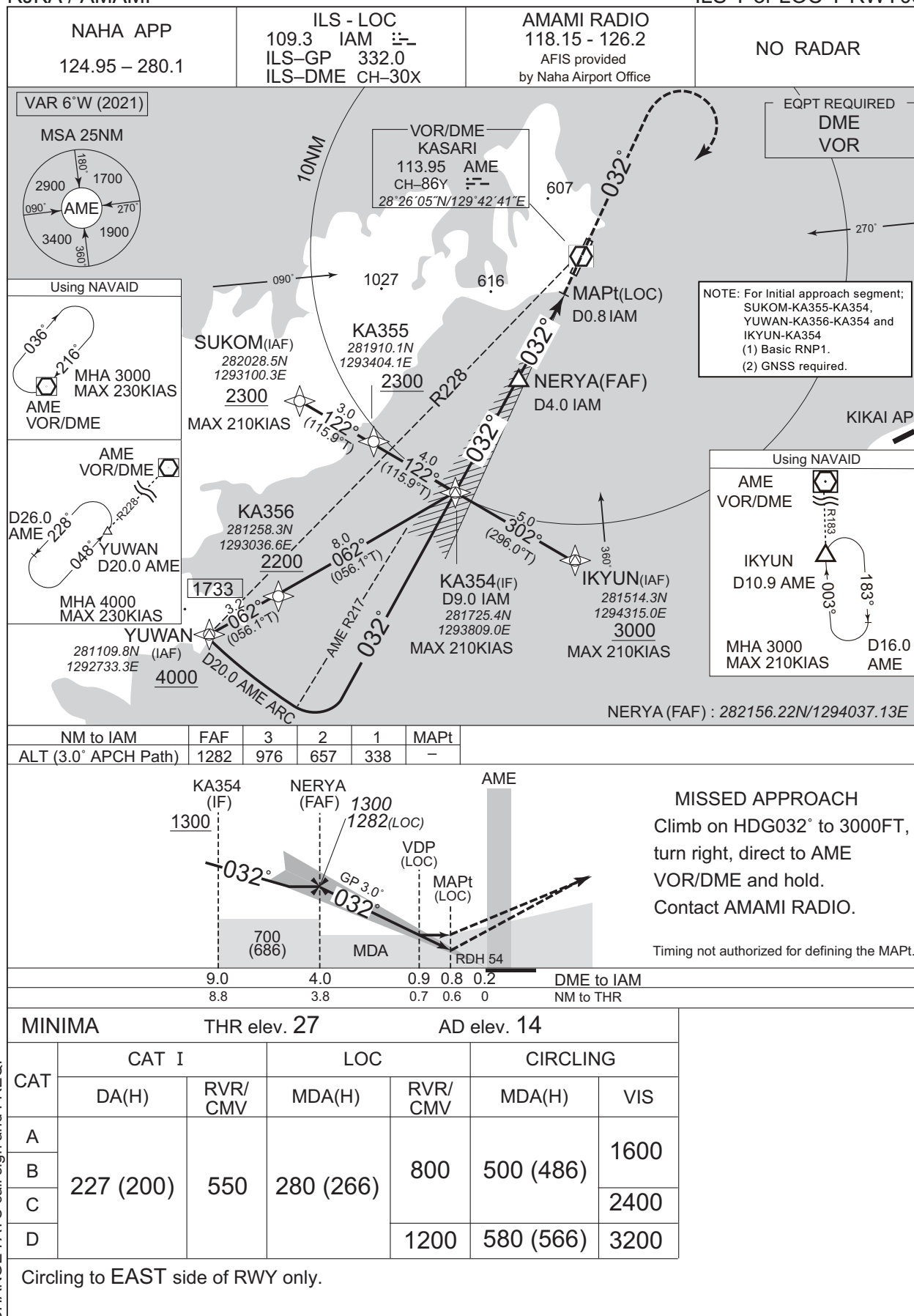


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

ILS Y or LOC Y RWY03

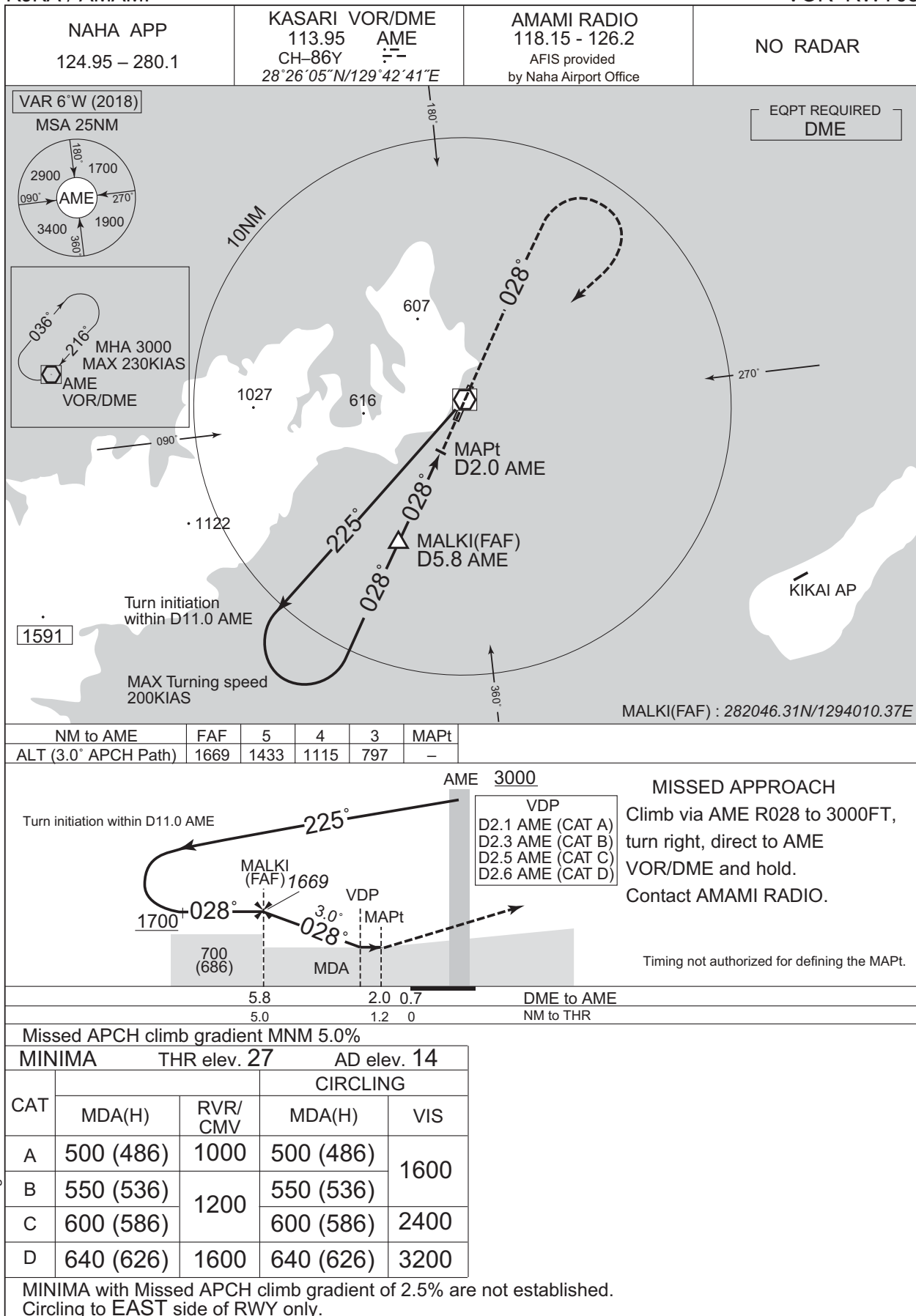


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY03



INSTRUMENT APPROACH CHART

RJKA / AMAMI

VOR RWY21

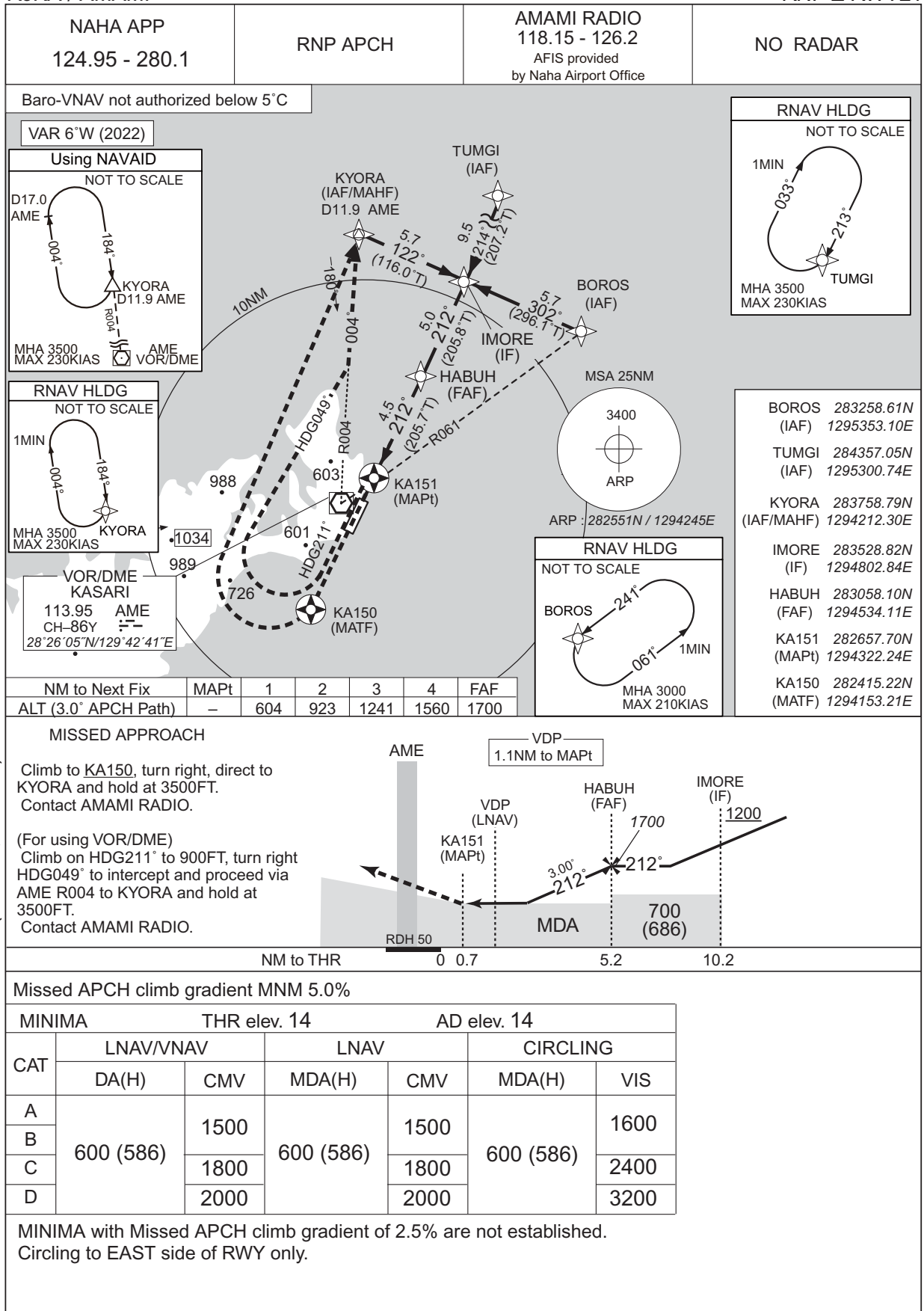


CHANGE : ATC call sign and FREQ.

INSTRUMENT APPROACH CHART

RJKA / AMAMI

RNP Z RWY21

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

INSTRUMENT APPROACH CHART

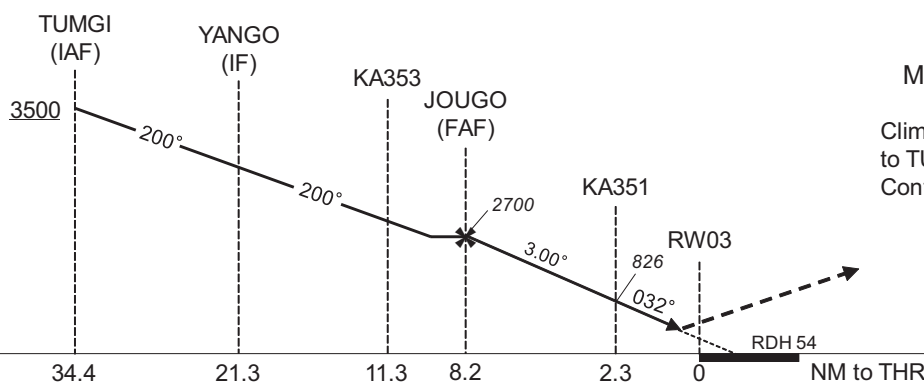
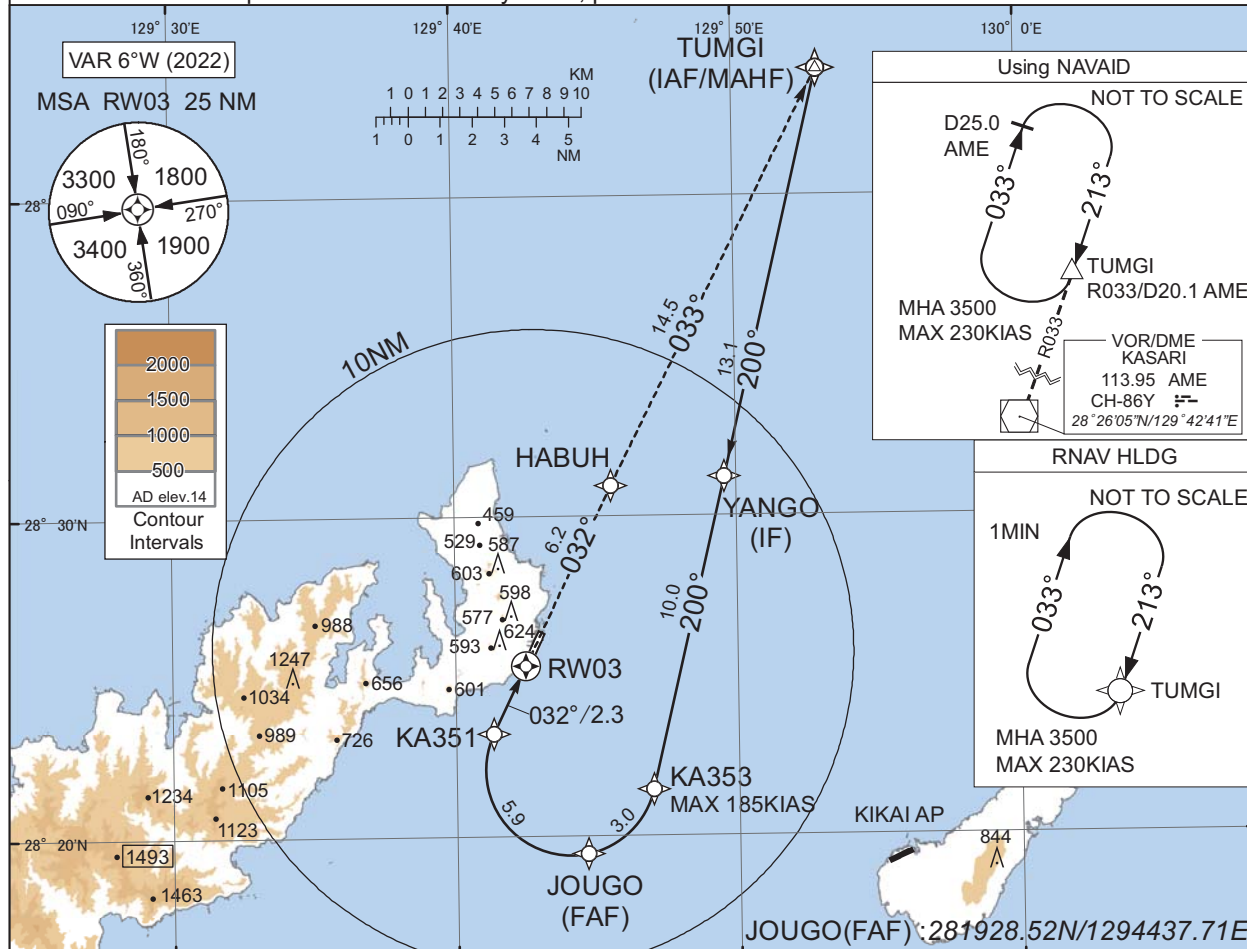
RJKA / AMAMI

RNP RWY03(AR)

NAHA APP
124.95 - 280.1RNP 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 APPROACH

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

Missed APCH climb gradient MNM 5.0%

| CAT | THR elev. 27 | | AD elev. 14 | |
|-----|--------------|---------|-------------|---------|
| | 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)

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

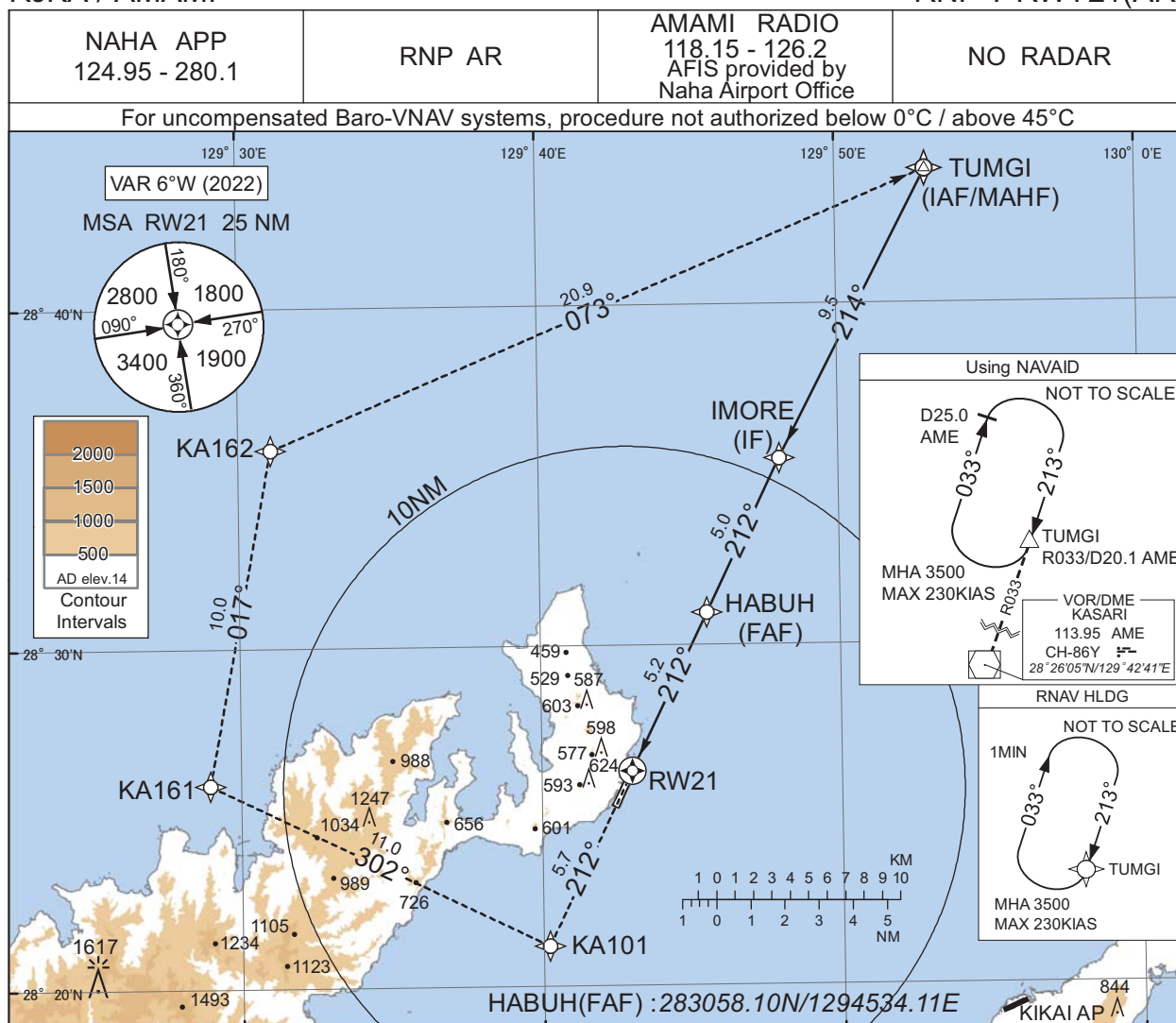
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| TUMGI | 284357.05N / 1295300.74E | KARF1 | 282205.14N / 1294402.59E |
| YANGO | 283113.92N / 1294935.29E | | |
| KA353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

CHANGE : VAR. RNAV HLDG established.

INSTRUMENT APPROACH CHART

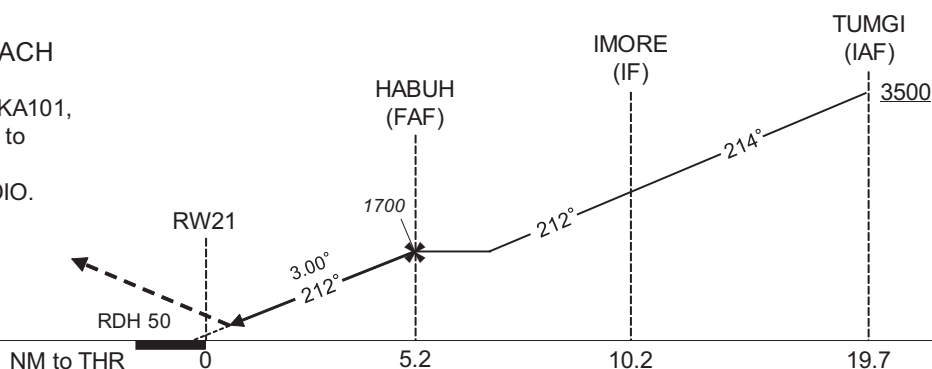
RJKA / AMAMI

RNP Y RWY21(AR)



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%

| CAT | THR elev. 14 | | AD elev. 14 | |
|-----|--------------|------|-------------|------|
| | 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)

Coding Table

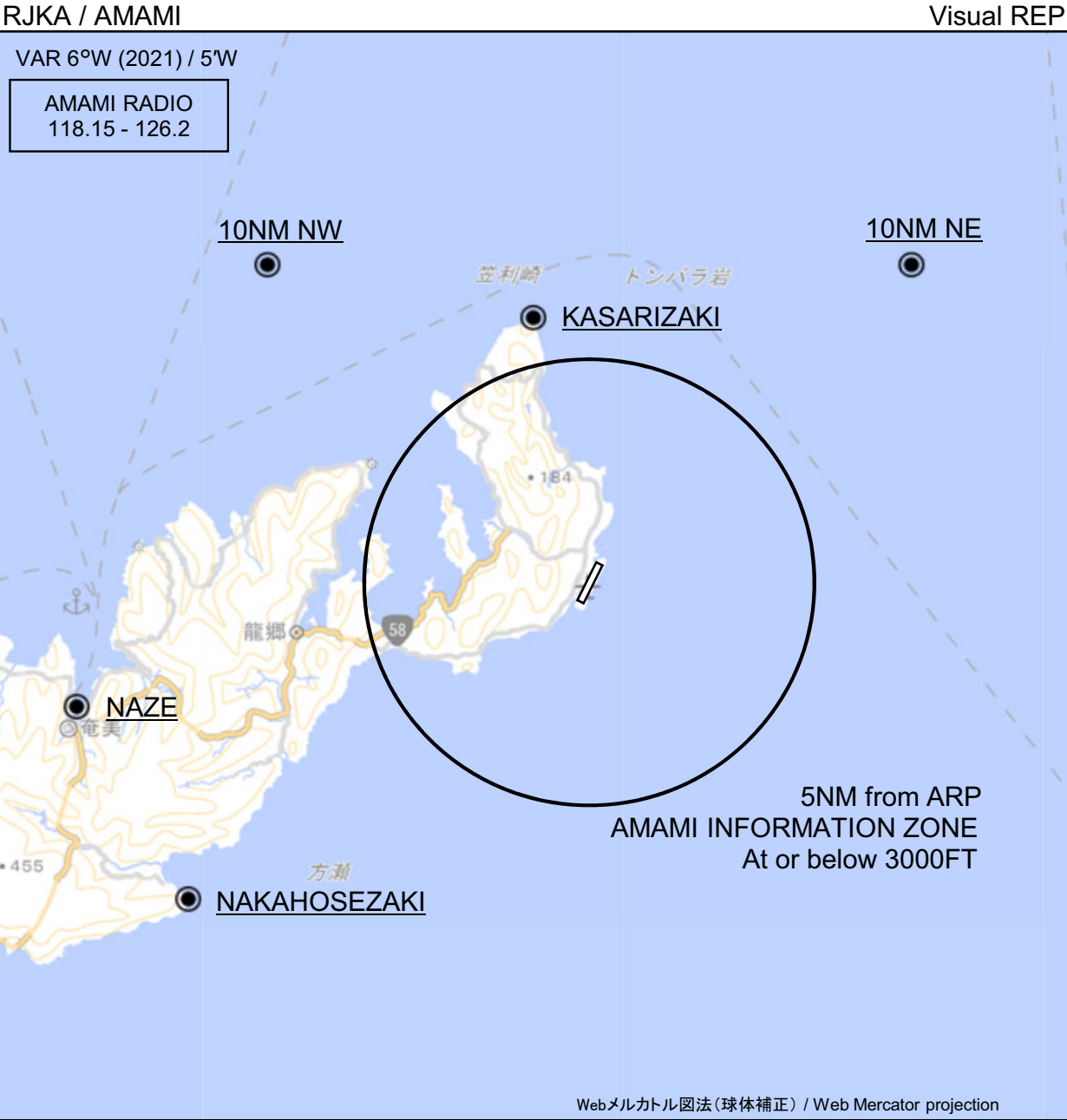
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 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 |

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



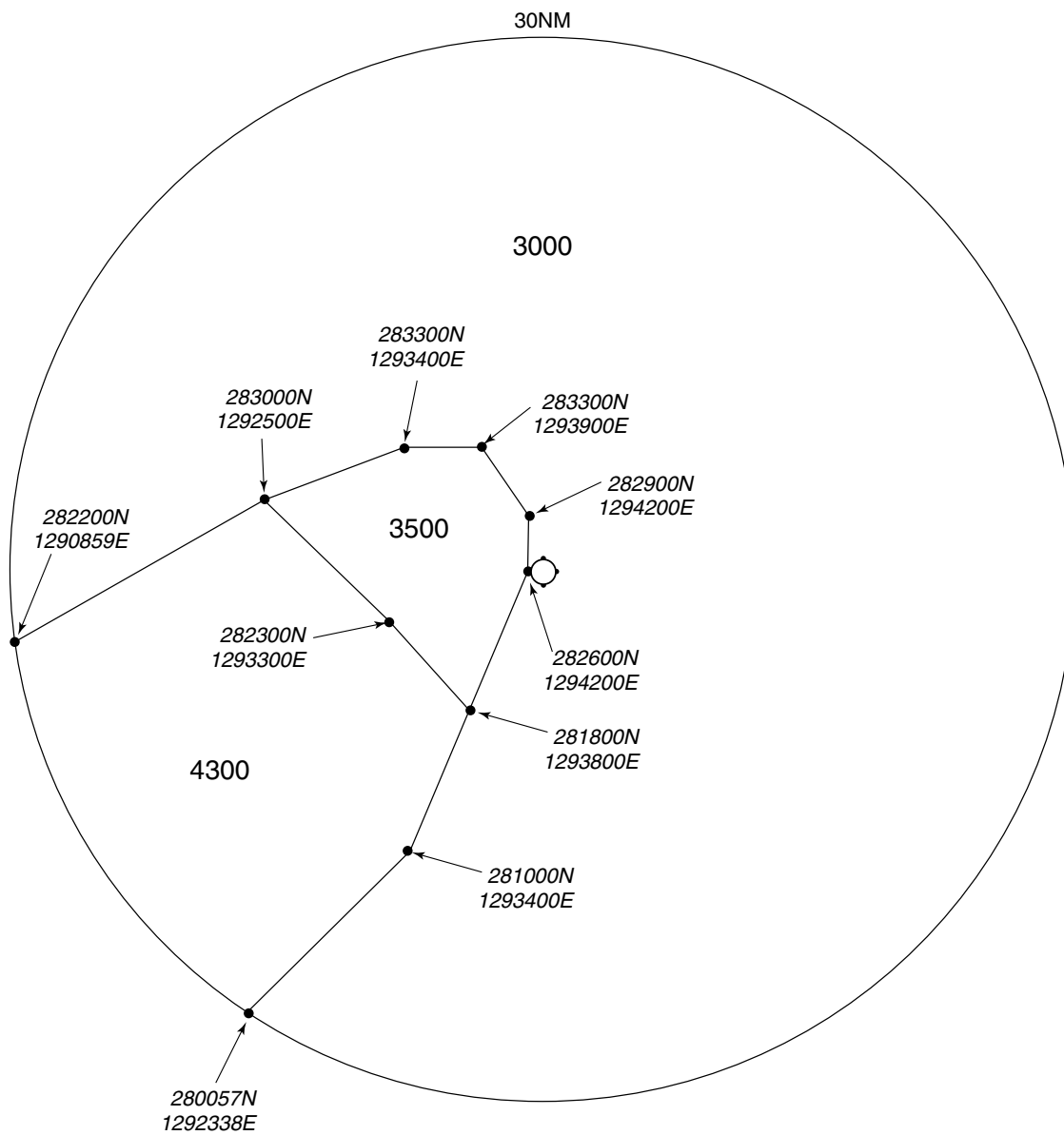
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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



CENTER : 282551N/1294245E (ARP)