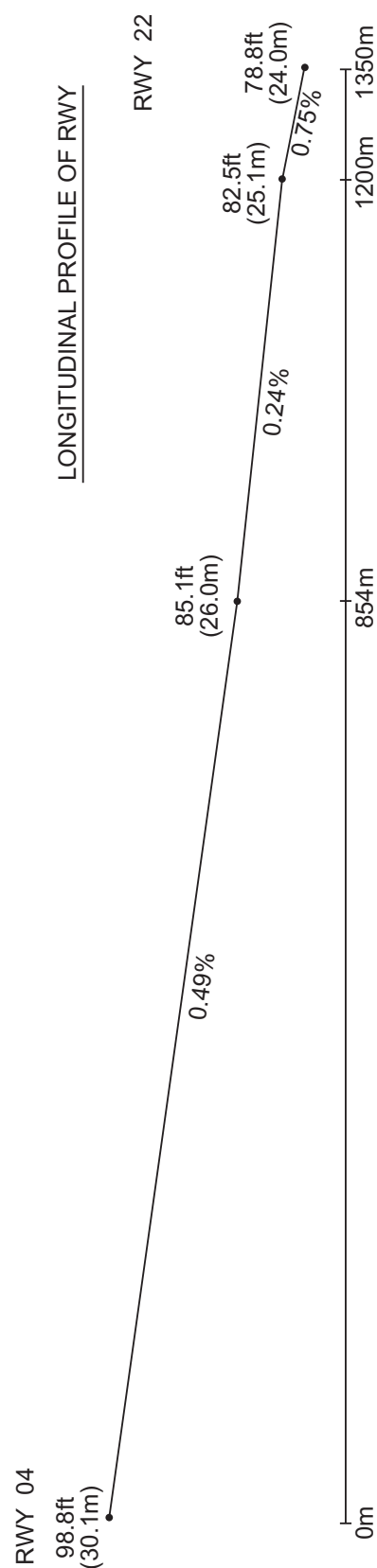


OKIERABU AP



| | |
|-------------------------|-------------|
| REMARKS : R/WY GROOVING | 1350m x 30m |
| WIDTH OF TWY | 18m |

LONGITUDINAL PROFILE OF RWY



STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

SID

MEKAX NORTH THREE DEPARTURE

RWY04 : Climb RWY HDG to 500FT, turn left...

RWY22 : Climb RWY HDG to 600FT, turn left HDG341°...
... to intercept and proceed via ONC R026 to MEKAX.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

YUWAN SIX DEPARTURE

RWY04 : Climb RWY HDG to 500FT,...

RWY22 : Climb RWY HDG to 600FT, turn left HDG002° to intercept and proceed...
... via ONC R047 to YUWAN.

Cross YUWAN at assigned altitude.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

ASATO NINE DEPARTURE

RWY04 : Climb RWY HDG to 500FT, turn right HDG265° to intercept and proceed...

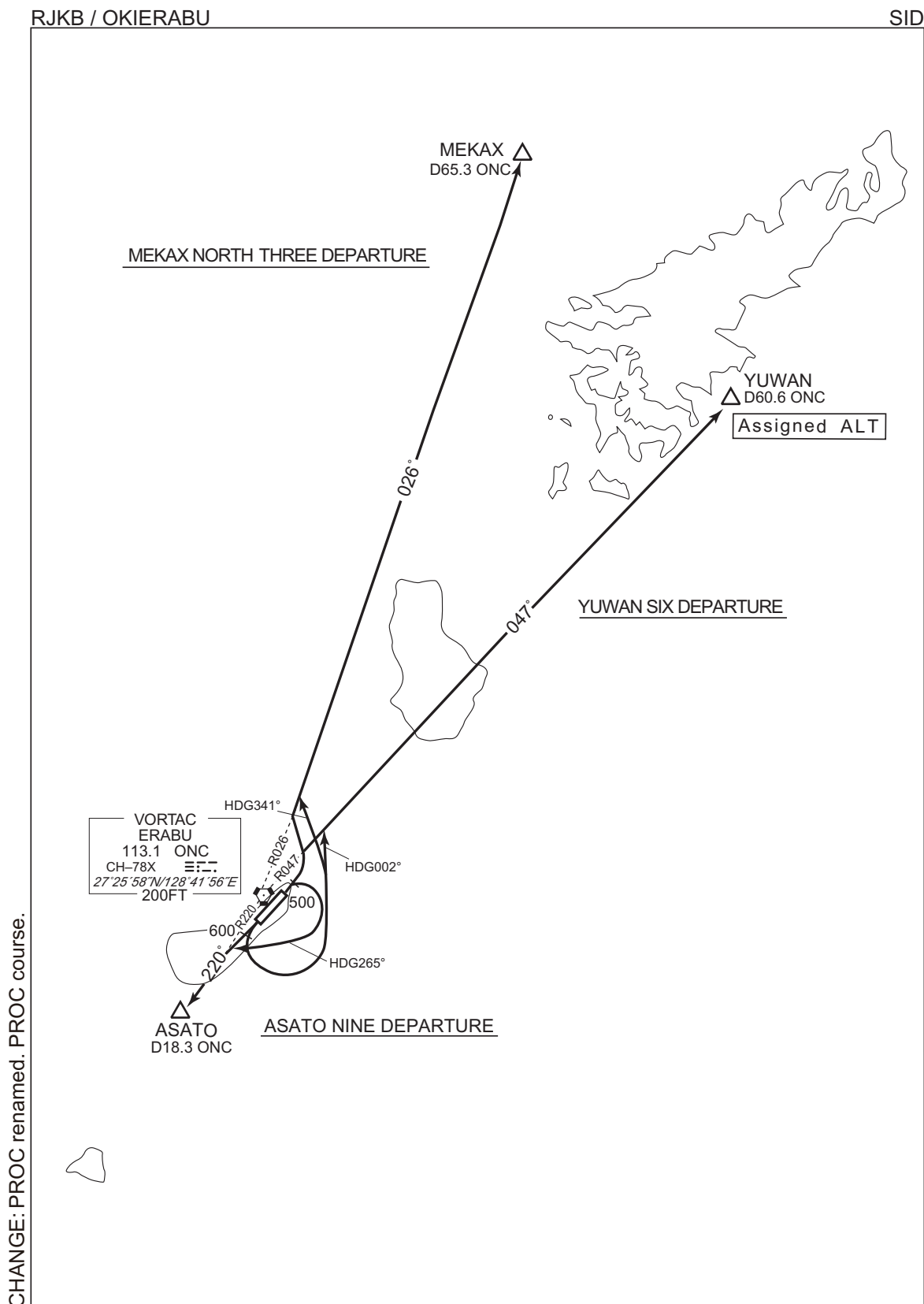
RWY22 : Climb RWY HDG to 600FT, ...
... via ONC R220 to ASATO.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

CHANGE: PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

SID

ERABU REVERSAL TWO DEPARTURE

RWY04 : Climb RWY HDG to 500FT, turn right, via ONC R090 to ONC 12.0DME, turn right, via ONC R110 to ONC VORTAC.
Cross ONC R090/8.0DME at or below 4000FT, cross ONC R110/6.0DME at assigned altitude.

RWY22 : Climb RWY HDG to 600FT, turn left HDG087 to intercept and proceed via ONC R132 to ONC 12.0DME, turn left, via ONC R110 to ONC VORTAC.
Cross ONC R132/8.0DME at or below 4000FT, cross ONC R110/6.0DME at assigned altitude.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

ERABU REVERSAL TWO DEPARTURE



CHANGE: PROC renamed. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

NEORI TWO DEPARTURE

RNP1

Note GNSS required.

VAR 6° W(2021)

NEORI TWO DEPARTURE

VORTAC
ERABU
113.1 MHz
CH-78X
27°25'58"N/128°41'56"E
200FT

NEORI
275405.1N
1285405.8E

500
040°

600
220°

NEORI TWO DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, turn left direct to NEORI.
RWY22: Climb on HDG220° at or above 600FT, turn left direct to NEORI.

Note RWY22 : 5.0% climb gradient required up to 600FT.
OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

RWY04

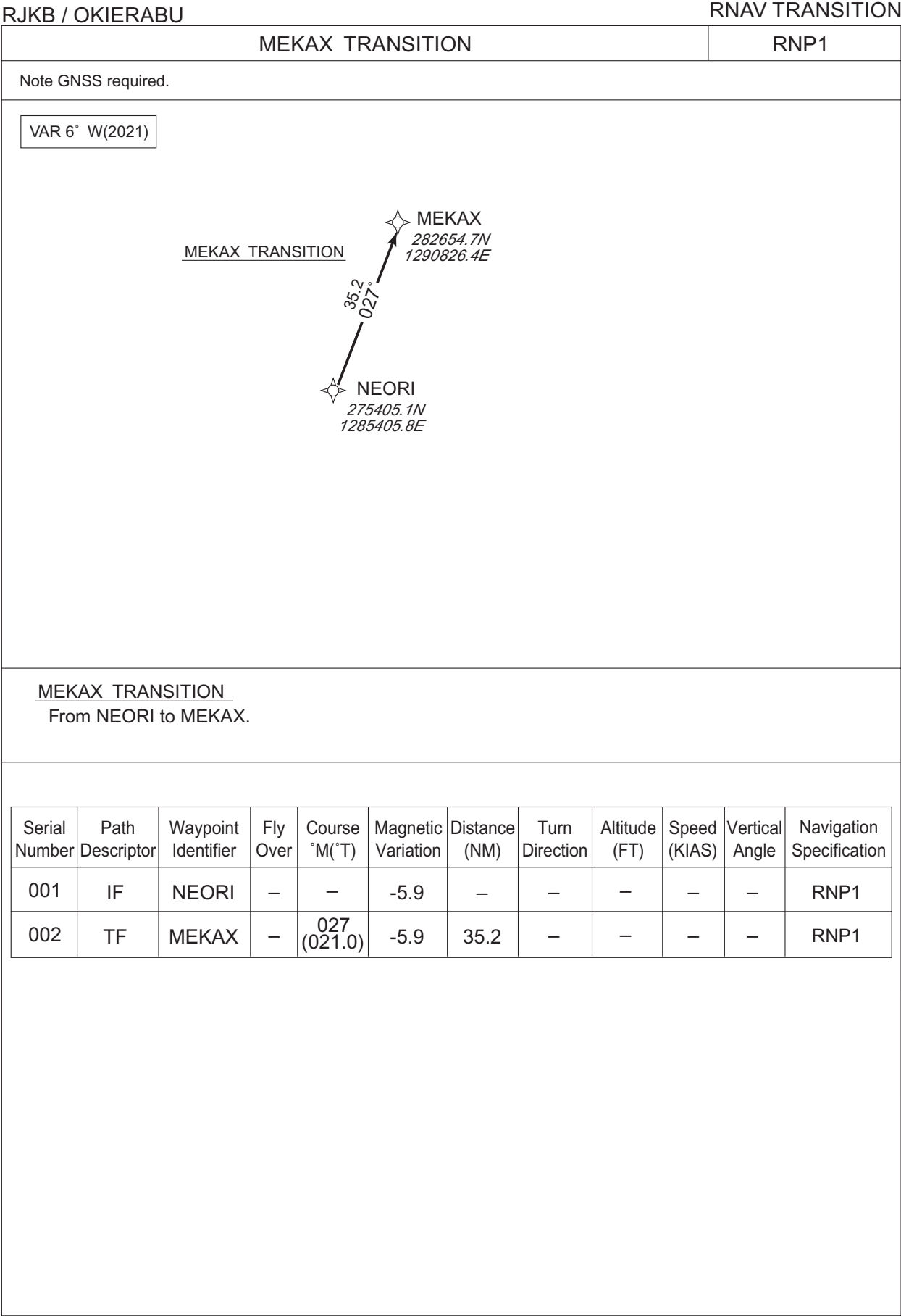
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 040 (034.1) | -5.9 | — | — | +500 | — | — | RNP1 |
| 002 | DF | NEORI | — | — | -5.9 | — | L | — | — | — | RNP1 |

RWY22

| 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 | — | — | 220 (214.1) | -5.9 | — | — | +600 | — | — | RNP1 |
| 002 | DF | NEORI | — | — | -5.9 | — | L | — | — | — | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

AZEFU THREE DEPARTURE

RNP1

Note GNSS required.

VAR 6° W(2021)

VORTAC
ERABU
113.1 ONC
CH-78X
27°25'58"N/128°41'56"E
200FT

AZEFU
274033.5N
1283835.3E

INOBE
275551.7N
1284511.9E

5000

500

600

040°

220°

16.4

027°

AZEFU THREE DEPARTURE

AZEFU THREE DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, turn left direct to AZEFU at or below 5000FT, to INOBE.

RWY22: Climb on HDG220° at or above 600FT, turn left direct to AZEFU at or below 5000FT, to INOBE.

Note RWY22 : 5.0% climb gradient required up to 600FT.
OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

RWY04

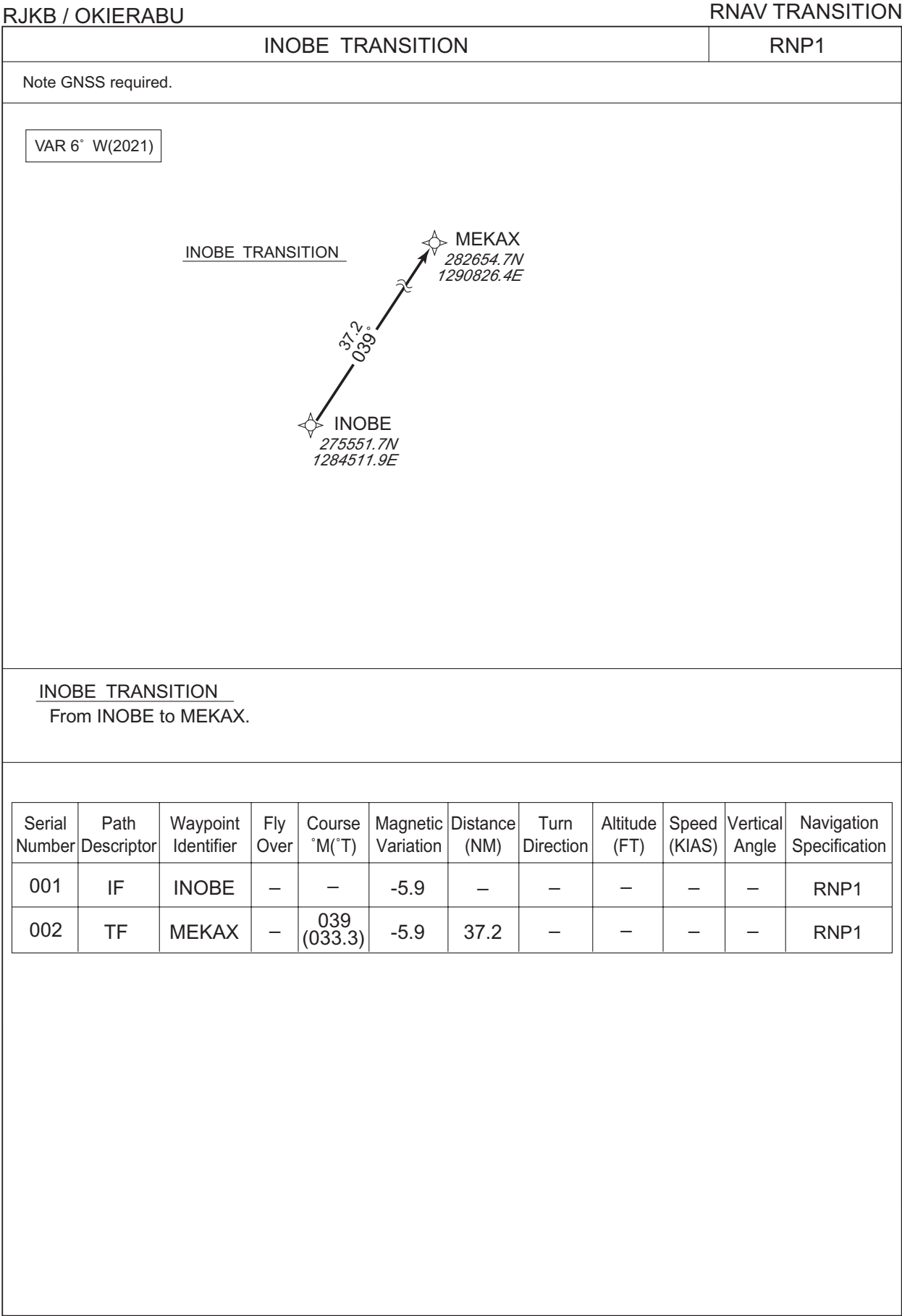
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 040 (034.1) | -5.9 | — | — | +500 | — | — | RNP1 |
| 002 | DF | AZEFU | — | — | -5.9 | — | L | -5000 | — | — | RNP1 |
| 003 | TF | INOBE | — | 027 (020.9) | -5.9 | 16.4 | — | — | — | — | RNP1 |

RWY22

| 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 | — | — | 220 (214.1) | -5.9 | — | — | +600 | — | — | RNP1 |
| 002 | DF | AZEFU | — | — | -5.9 | — | L | -5000 | — | — | RNP1 |
| 003 | TF | INOBE | — | 027 (020.9) | -5.9 | 16.4 | — | — | — | — | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

SONNA TWO DEPARTURE

RNP1

Note GNSS required.

VAR 6° W(2021)

VORTAC
ERABU
113.1 ONC
CH-78X
27°25'58"N/128°41'56"E
200FT

500

040°

600

220°

SONNA
274831.0N
1290435.1E

SONNA TWO DEPARTURE

SONNA TWO DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, direct to SONNA.
RWY22: Climb on HDG220° at or above 600FT, turn left direct to SONNA.
Note RWY22 : 5.0% climb gradient required up to 600FT.
OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

RWY04

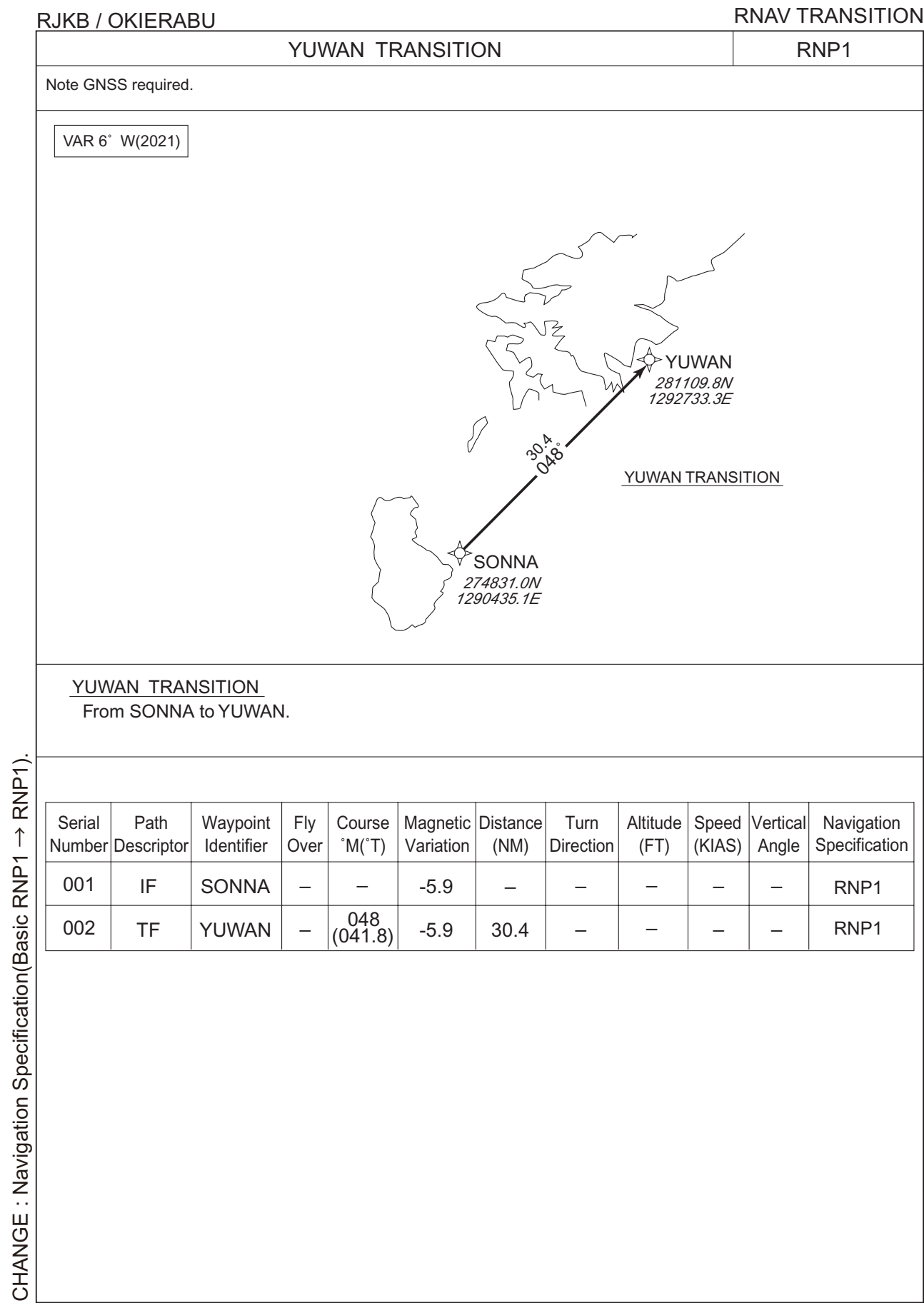
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 040 (034.1) | -5.9 | — | — | +500 | — | — | RNP1 |
| 002 | DF | SONNA | — | — | -5.9 | — | — | — | — | — | RNP1 |

RWY22

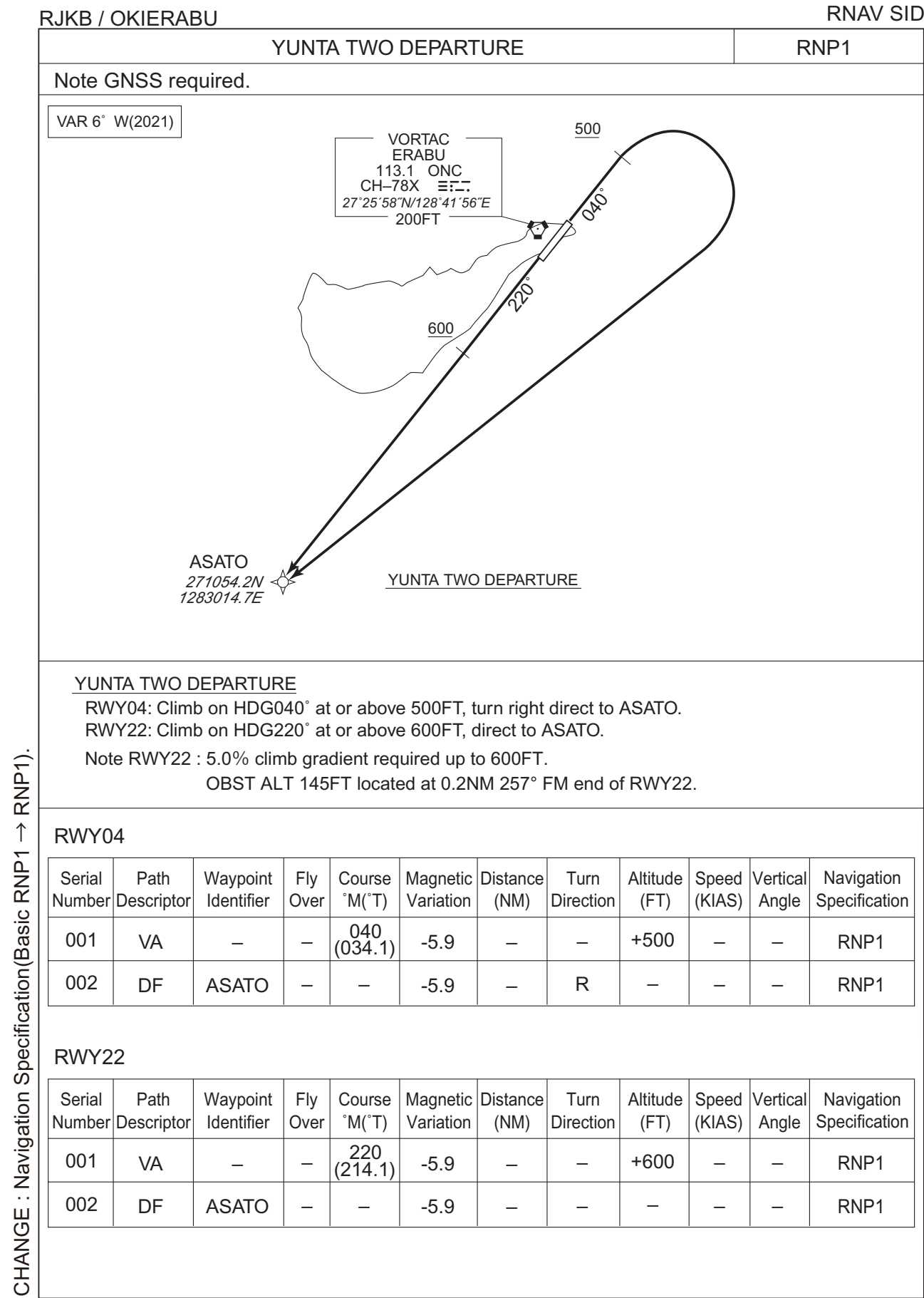
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 220 (214.1) | -5.9 | — | — | +600 | — | — | RNP1 |
| 002 | DF | SONNA | — | — | -5.9 | — | L | — | — | — | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT



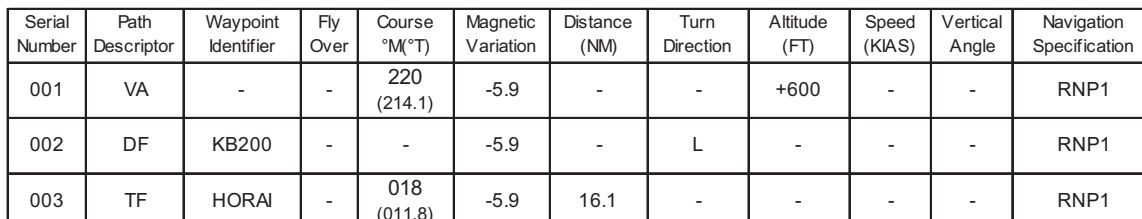
STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

RJKB / OKIERABU

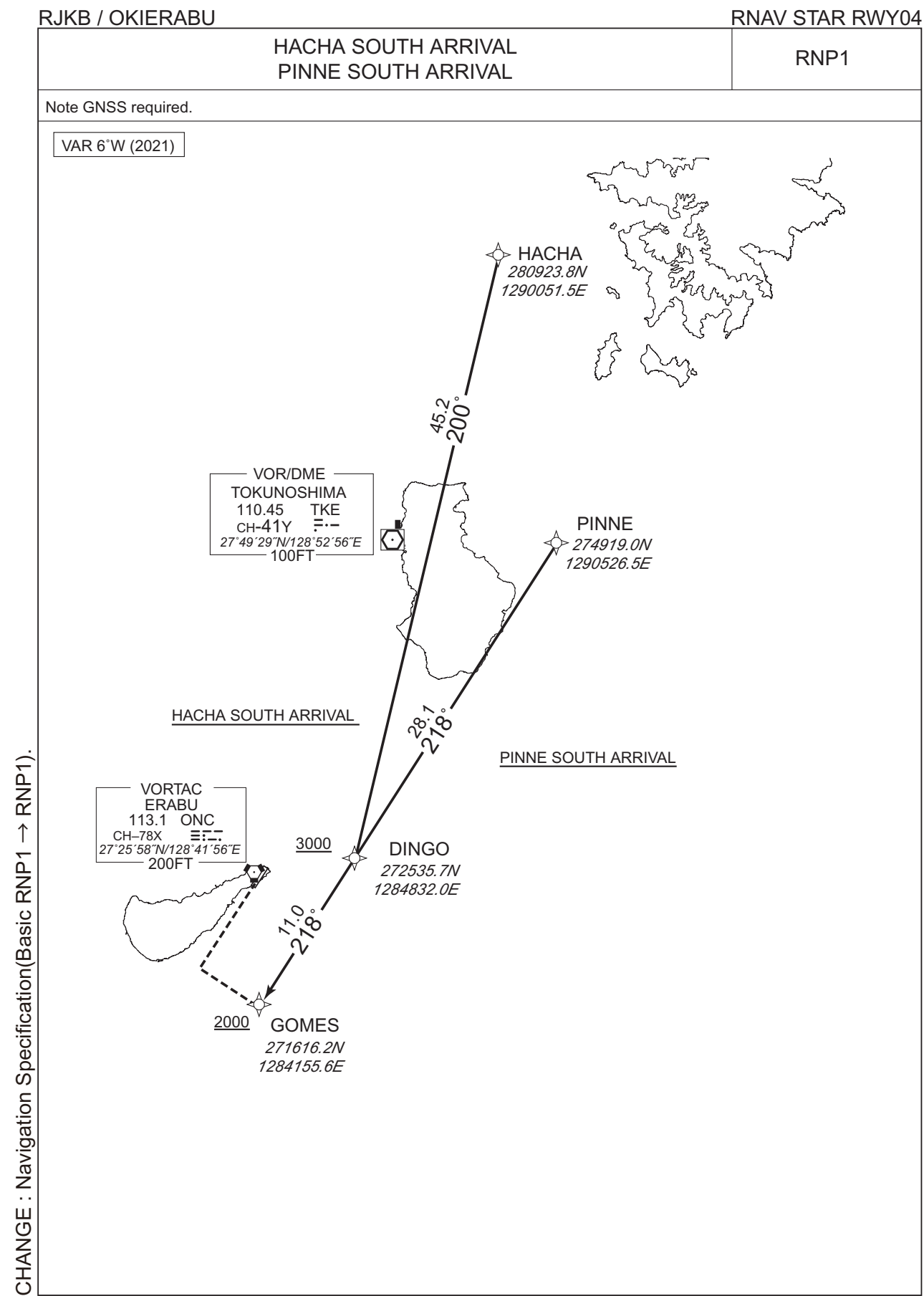
RNAV SID



CHANGE : Navigation Specification(Basic RNP1→RNP1).

INTENTIONALLY LEFT BLANK

STANDARD ARRIVAL CHART - INSTRUMENT



RJKB / OKIERABU

HACHA SOUTH ARRIVAL

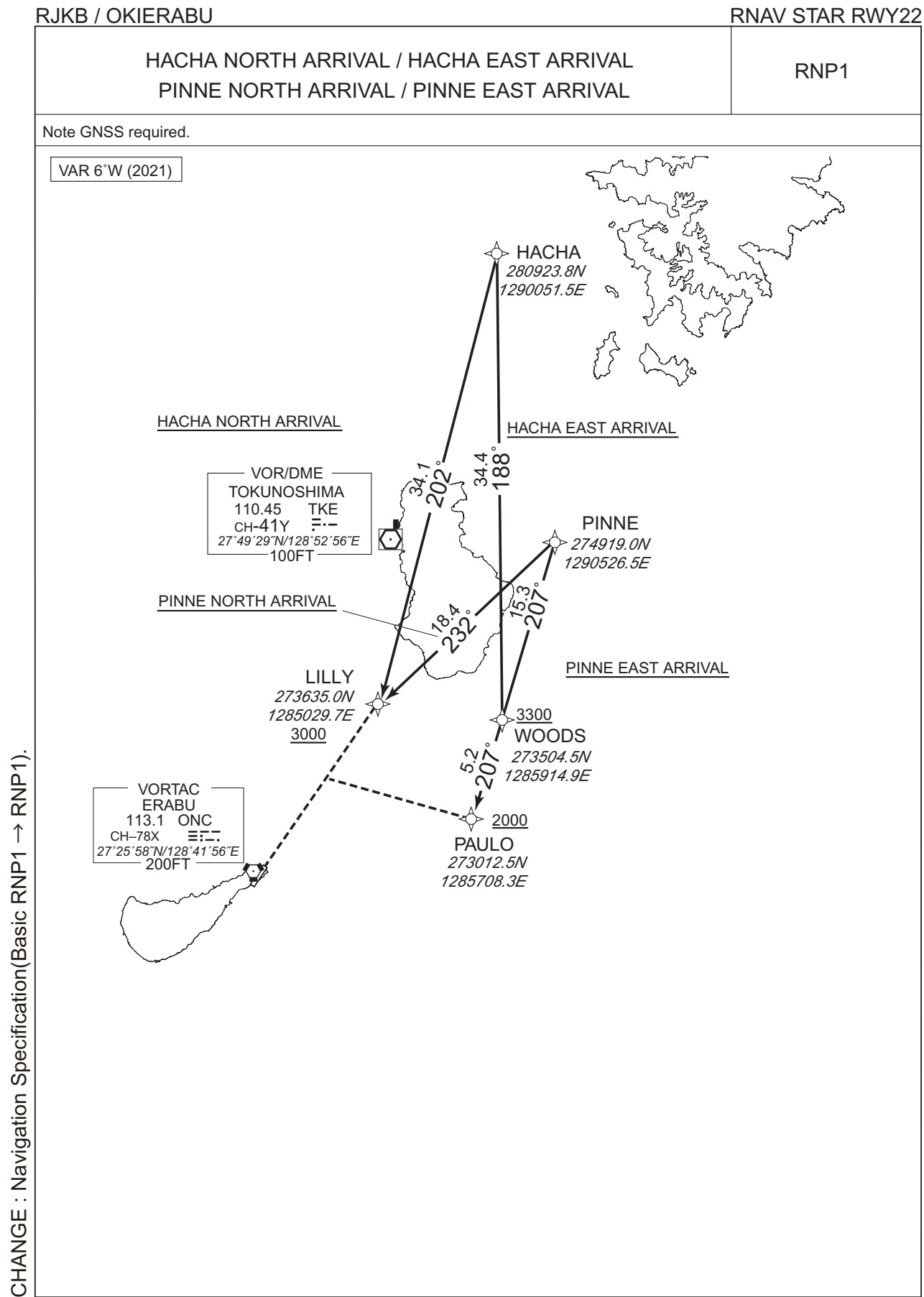
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | HACHA | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | DINGO | - | 200 (194.0) | -5.9 | 45.2 | - | +3000 | - | - | RNP1 |
| 003 | TF | GOMES | - | 218 (212.2) | -5.9 | 11.0 | - | +2000 | - | - | RNP1 |

PINNE SOUTH ARRIVAL

| 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 | PINNE | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | DINGO | - | 218 (212.3) | -5.9 | 28.1 | - | +3000 | - | - | RNP1 |
| 003 | TF | GOMES | - | 218 (212.2) | -5.9 | 11.0 | - | +2000 | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 \rightarrow RNP1).

STANDARD ARRIVAL CHART - INSTRUMENT



STANDARD ARRIVAL CHART - INSTRUMENT

RJKB / OKIERABU

RNAV STAR RWY22

HACHA NORTH ARRIVAL

From HACHA, to LILLY at or above 3000FT.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | HACHA | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | LILLY | - | 202 (195.6) | -5.9 | 34.1 | - | +3000 | - | - | RNP1 |

HACHA EAST ARRIVAL

From HACHA, to WOODS at or above 3300FT, to PAULO at or above 2000FT.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | HACHA | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | WOODS | - | 188 (182.4) | -5.9 | 34.4 | - | +3300 | - | - | RNP1 |
| 003 | TF | PAULO | - | 207 (201.0) | -5.9 | 5.2 | - | +2000 | - | - | RNP1 |

PINNE NORTH ARRIVAL

From PINNE, to LILLY at or above 3000FT.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | PINNE | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | LILLY | - | 232 (226.2) | -5.9 | 18.4 | - | +3000 | - | - | RNP1 |

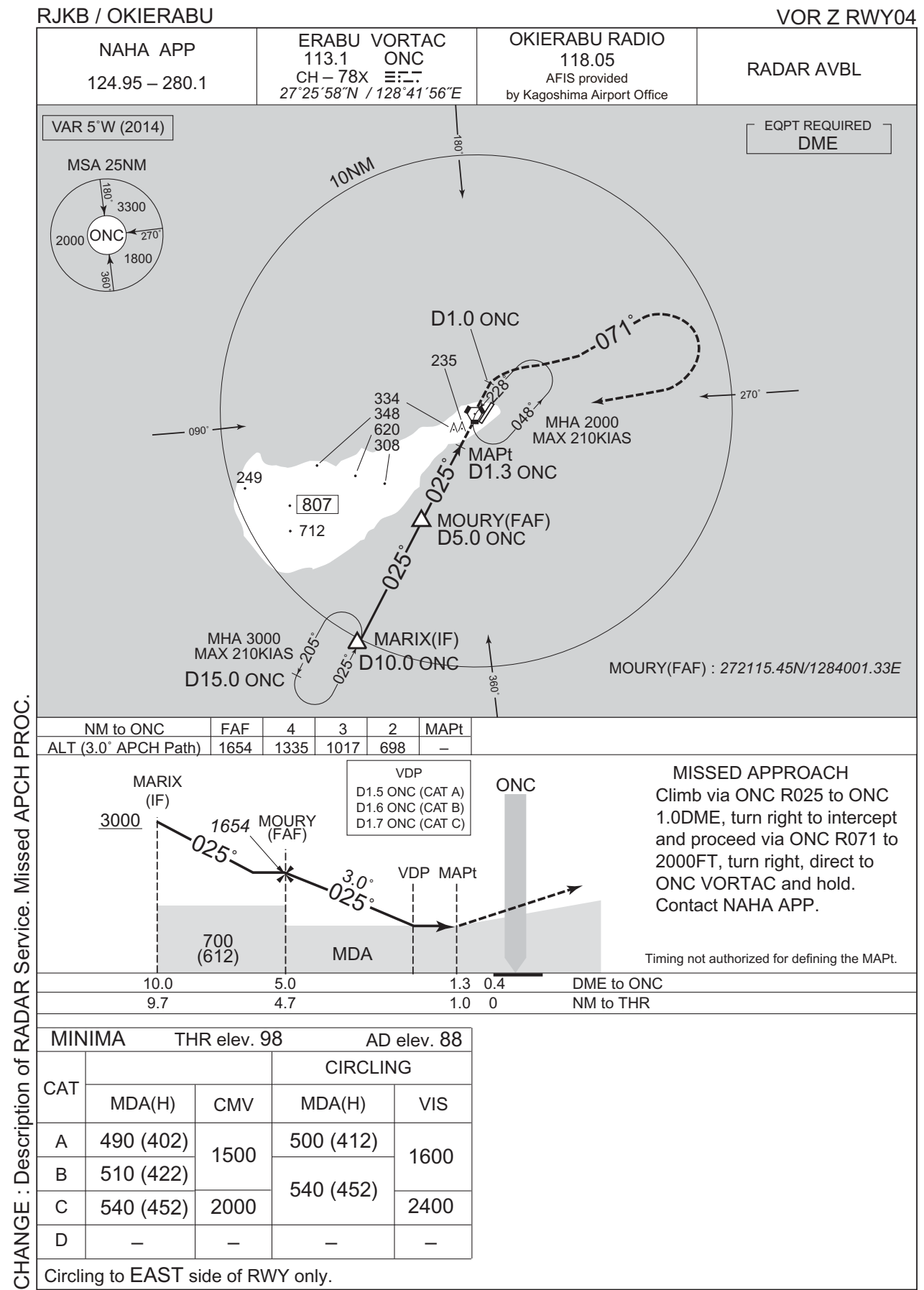
PINNE EAST ARRIVAL

From PINNE, to WOODS at or above 3300FT, to PAULO at or above 2000FT.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | PINNE | - | - | -5.9 | - | - | - | - | - | RNP1 |
| 002 | TF | WOODS | - | 207 (201.1) | -5.9 | 15.3 | - | +3300 | - | - | RNP1 |
| 003 | TF | PAULO | - | 207 (201.0) | -5.9 | 5.2 | - | +2000 | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

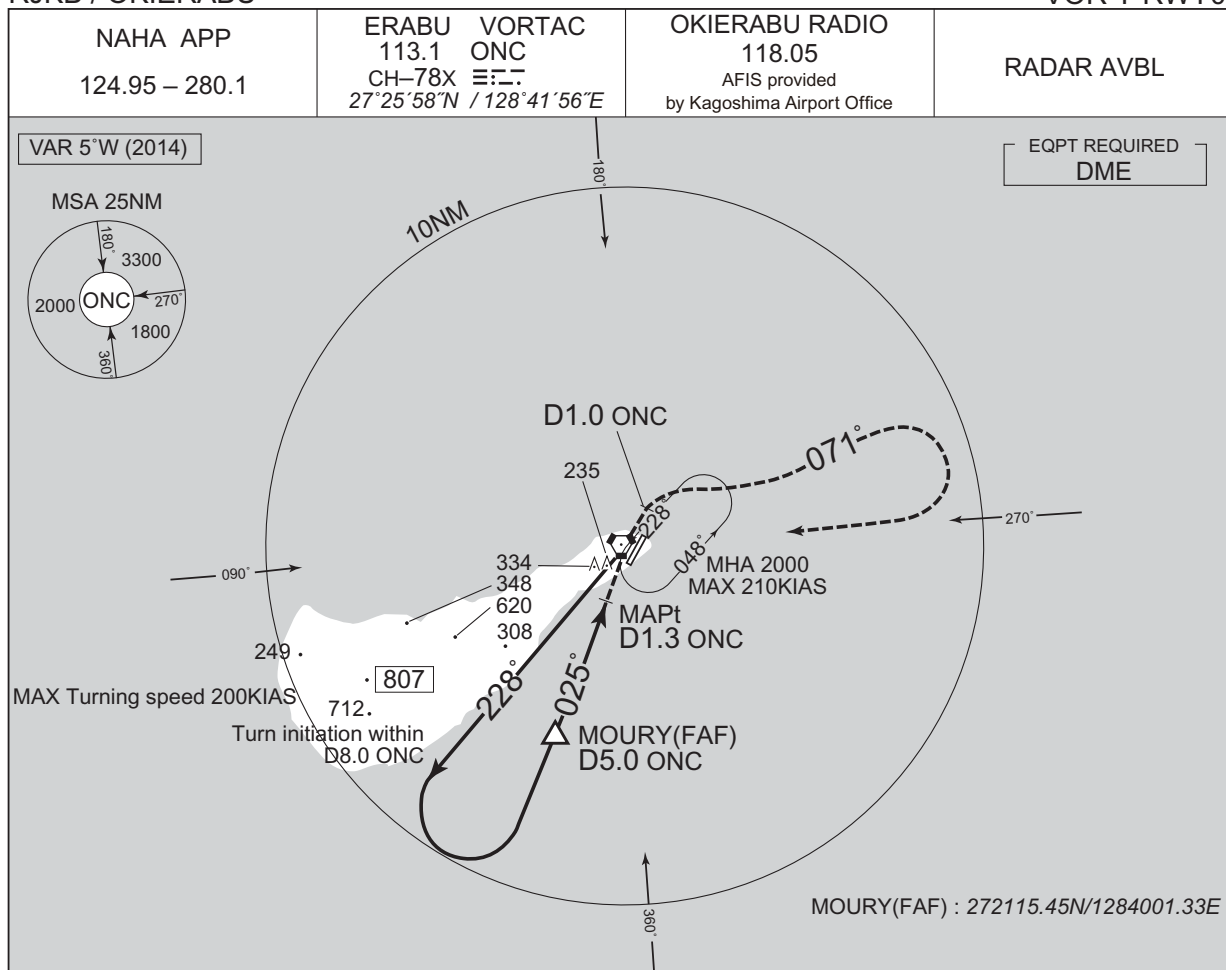


CHANGE : Description of RADAR Service. Missed APCH PROC.

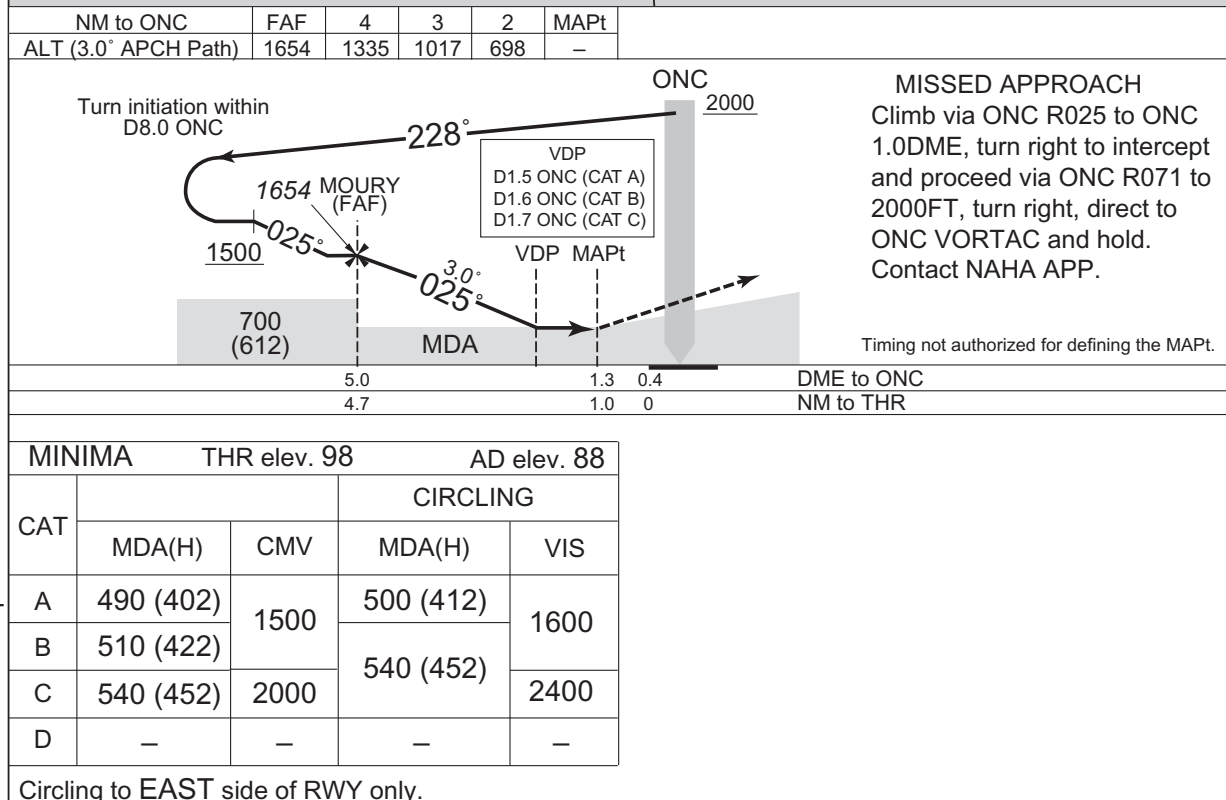
INSTRUMENT APPROACH CHART

RJKB / OKIERABU

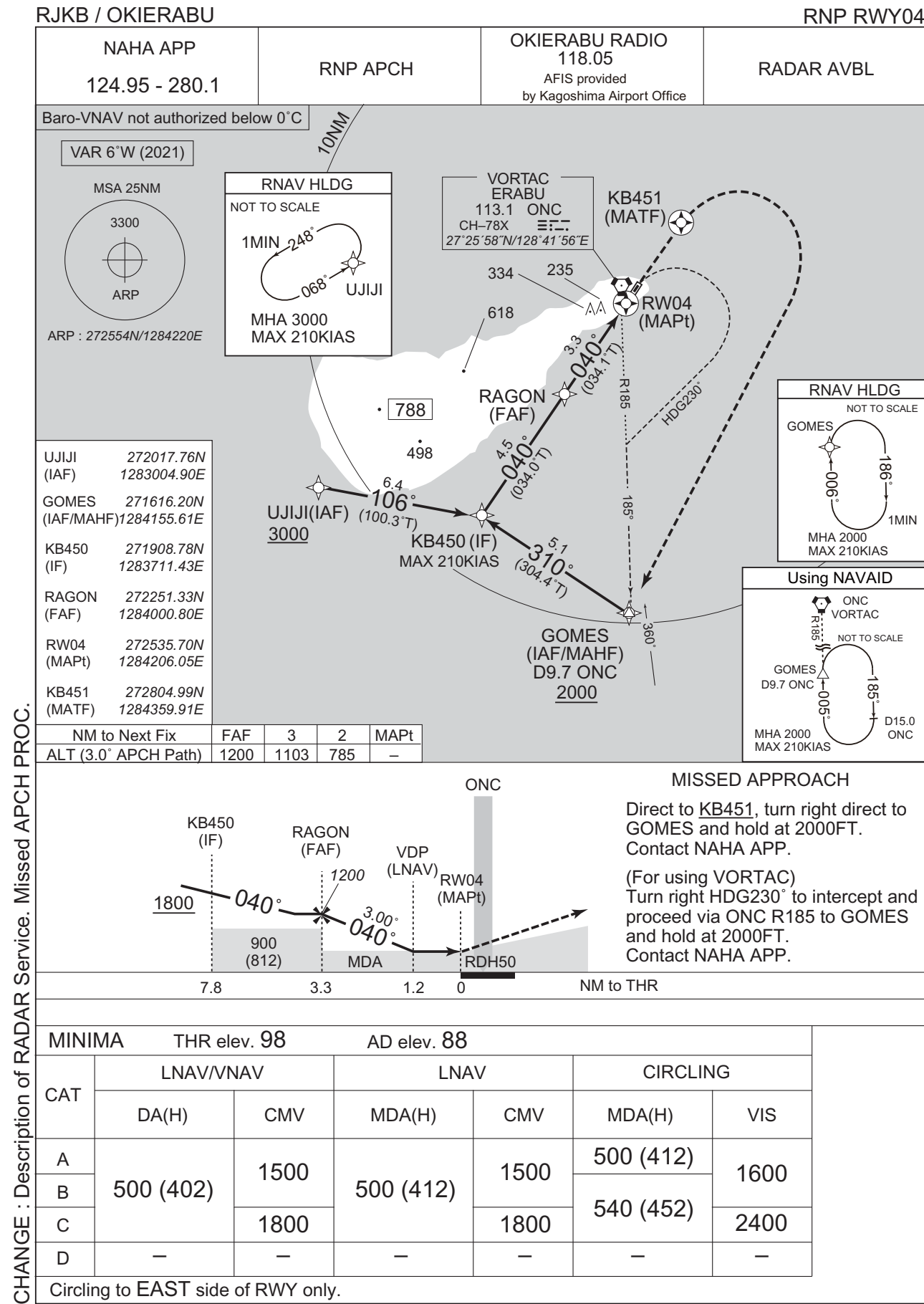
VOR Y RWY04



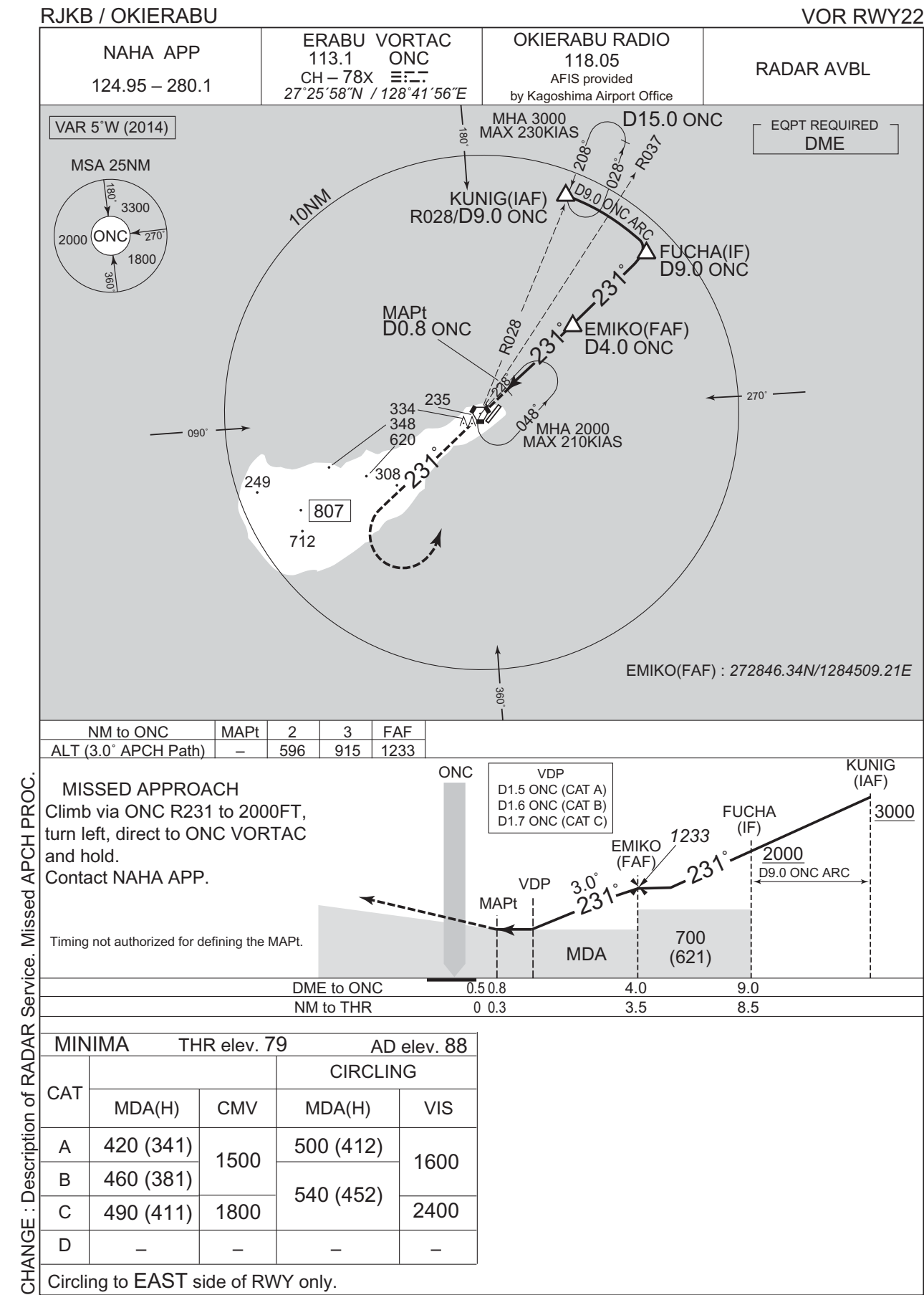
CHANGE : Description of RADAR Service. Missed APCH PROC.



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



RJKB / OKIERABU

RNP RWY22

NAHA APP

124.95 - 280.1

RNP APCH

OKIERABU RADIO

118.05

AFIS provided

by Kagoshima Airport Office

RADAR AVBL

Baro-VNAV not authorized below 0°C

VAR 6°W (2021)

MSA 25NM

3300

ARP

ARP : 272554N/1284220E

WANJO (IAF)

273515.72N

1284240.37E

LILLY (IAF)

273635.03N

1285029.73E

PAULO (IAF/MAHF)

273012.52N

1285708.30E

KB250 (IF)

273226.35N

1284719.51E

ALDER (FAF)

272843.74N

1284429.49E

RW22 (MAPt)

272611.90N

1284233.65E

KB251 (MATF)

272342.59N

1284039.85E

VORTAC ERABU

113.1 ONC

CH-78X

27°25'58"N/128°41'56"E

235

334

618

788

498

WANJO (IAF)

130°

124.4°T

KB250 (IF)

220°

214.1°T

ALDER (FAF)

220°

214.1°T

RW22 (MAPt)

220°

214.1°T

KB251 (MATF)

220°

214.1°T

PAULO (IAF/MAHF)

290°

284.4°T

LILLY (IAF)

220°

214.2°T

WANJO (IAF)

220°

214.2°T

078°

270°

RNAV HLDG

NOT TO SCALE

1MIN

010°

190°

WANJO

MHA 3000

MAX 210KIAS

Using NAVAID

MHA 3000

MAX 210KIAS

LILLY

D13.1 ONC

041°

221°

041°

221°

ONC VORTAC

NOT TO SCALE

RNAV HLDG

NOT TO SCALE

1MIN

076°

256°

PAULO

MHA 2000

MAX 210KIAS

Using NAVAID

MHA 2000

MAX 210KIAS

PAULO

D14.1 ONC

078°

258°

078°

258°

ONC VORTAC

NOT TO SCALE

| NM to Next Fix | MAPt | 1 | 2 | 3 | FAF |
|----------------------|------|-----|-----|------|------|
| ALT (3.0° APCH Path) | — | 446 | 765 | 1083 | 1100 |

MISSED APPROACH

Direct to KB251, turn left direct to PAULO and hold at 2000FT.
Contact NAHA APP.

(For using VORTAC)
Turn left HDG033° to intercept and proceed via ONC R078 to PAULO and hold at 2000FT.
Contact NAHA APP.

ONC

VDP (LNAV)

1100

ALDER (FAF)

1200

KB250 (IF)

RDH50

MHA 700 (621)

MDA

3.00°

220°

3.00°

220°

RW22 (MAPt)

078°

270°

NM to THR

0

1.1

3.1

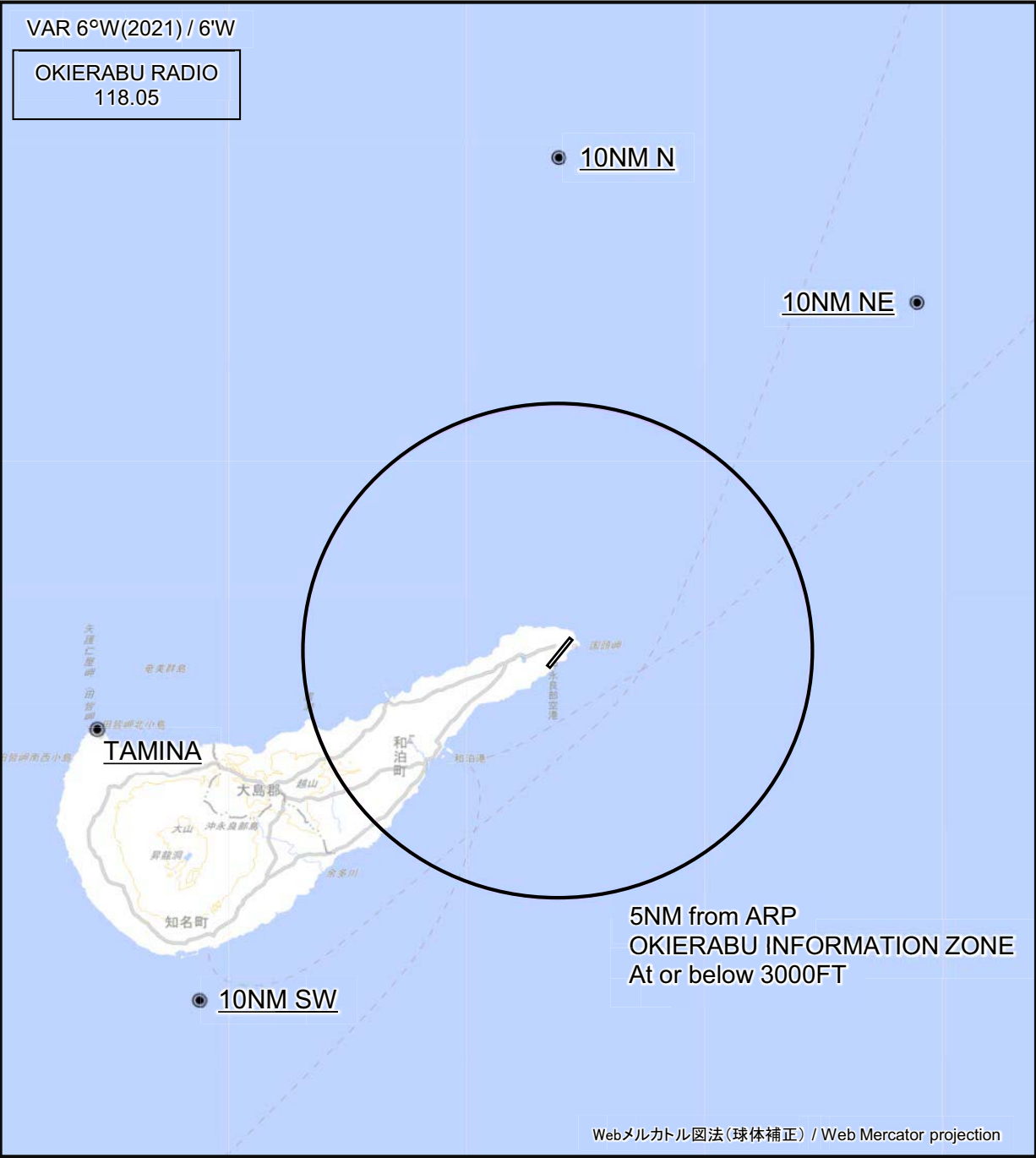
7.5

| MINIMA | THR elev. 79 | AD elev. 88 | | | | |
|--------|--------------|-------------|-----------|-----------|-----------|------|
| CAT | LNAV/VNAV | LNAV | CIRCLING | | | |
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 440 (361) | 1500 | 440 (361) | 1500 | 500 (412) | 1600 |
| B | | 1800 | | 540 (452) | | |
| C | | 1800 | | 540 (452) | | |
| D | — | — | — | — | — | — |

Circling to EAST side of RWY only.

RJKB / OKIERABU

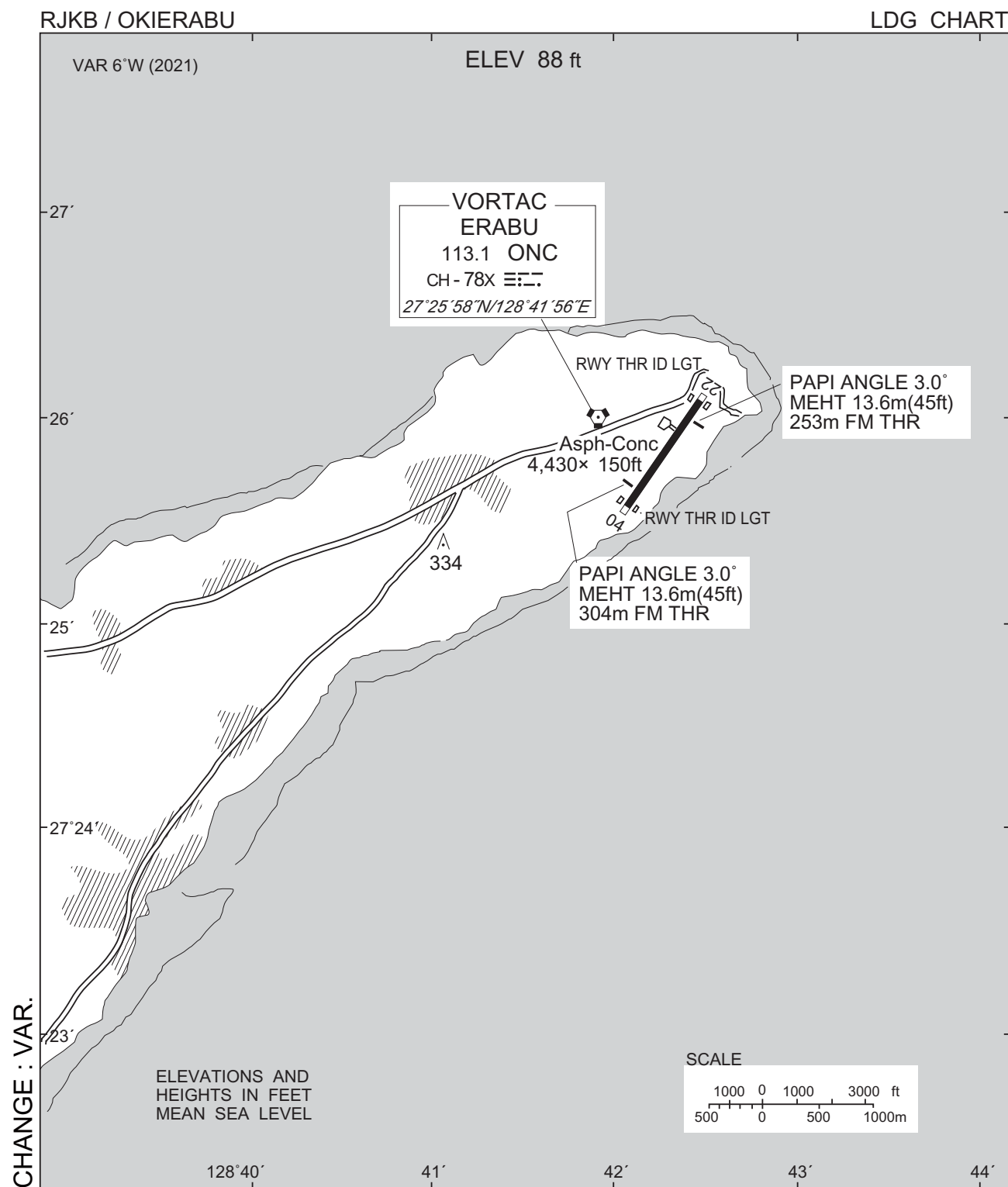
Visual REP



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

CHANGE : VAR.

| Call sign | BRG / DIST from ARP | Remarks |
|--------------|---------------------|--------------------|
| 10NM N | 000°T / 10.0NM | 海上 Over the sea |
| 10NM NE | 045°T / 10.0NM | 海上 Over the sea |
| 田皆 Tamina | 260°T / 9.2NM | 岬 Cape |
| 10NM SW | 225°T / 10.0NM | 海上 Over the sea |



RJKB / OKIERABU

Minimum Vectoring Altitude CHART

