



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.

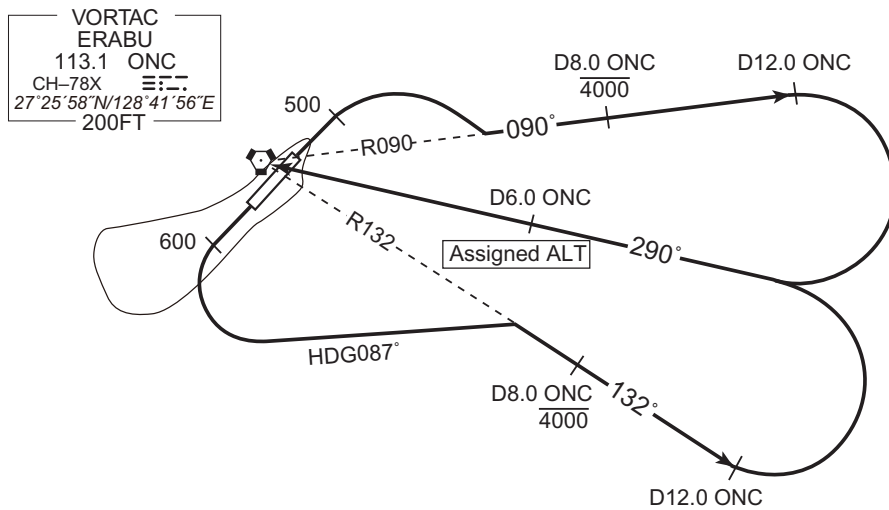
Cross ONC R090/8.0DME at or below 4000FT, cross ONC R110/6.0DME at assigned altitude.

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.



CHANGE : Description of PROC name.

RJKB / OKIERABU

NEORI TWO DEPARTURE  
MEKAX TRANSITION

RNP1

VAR 6° W

MEKAX  
282654.7N  
1290826.4E

35.2  
027.0

027

NEORI  
275405.1N  
1285405.8E

NEORI TWO DEPARTURE

500

040°

600

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

From NEORI to MEKAX.

Civil Aviation Bureau, Japan (EFF:8 AUG 2024)

11/7/24

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID and TRANSITION

NEORI TWO DEPARTURE

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<br>(034.0) | -6.2               | —             | —              | +500          | —            | —              | RNP1                     |
| 002           | DF              | NEORI               | —        | —              | -6.2               | —             | 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<br>(214.0) | -6.2               | —             | —              | +600          | —            | —              | RNP1                     |
| 002           | DF              | NEORI               | —        | —              | -6.2               | —             | L              | —             | —            | —              | RNP1                     |

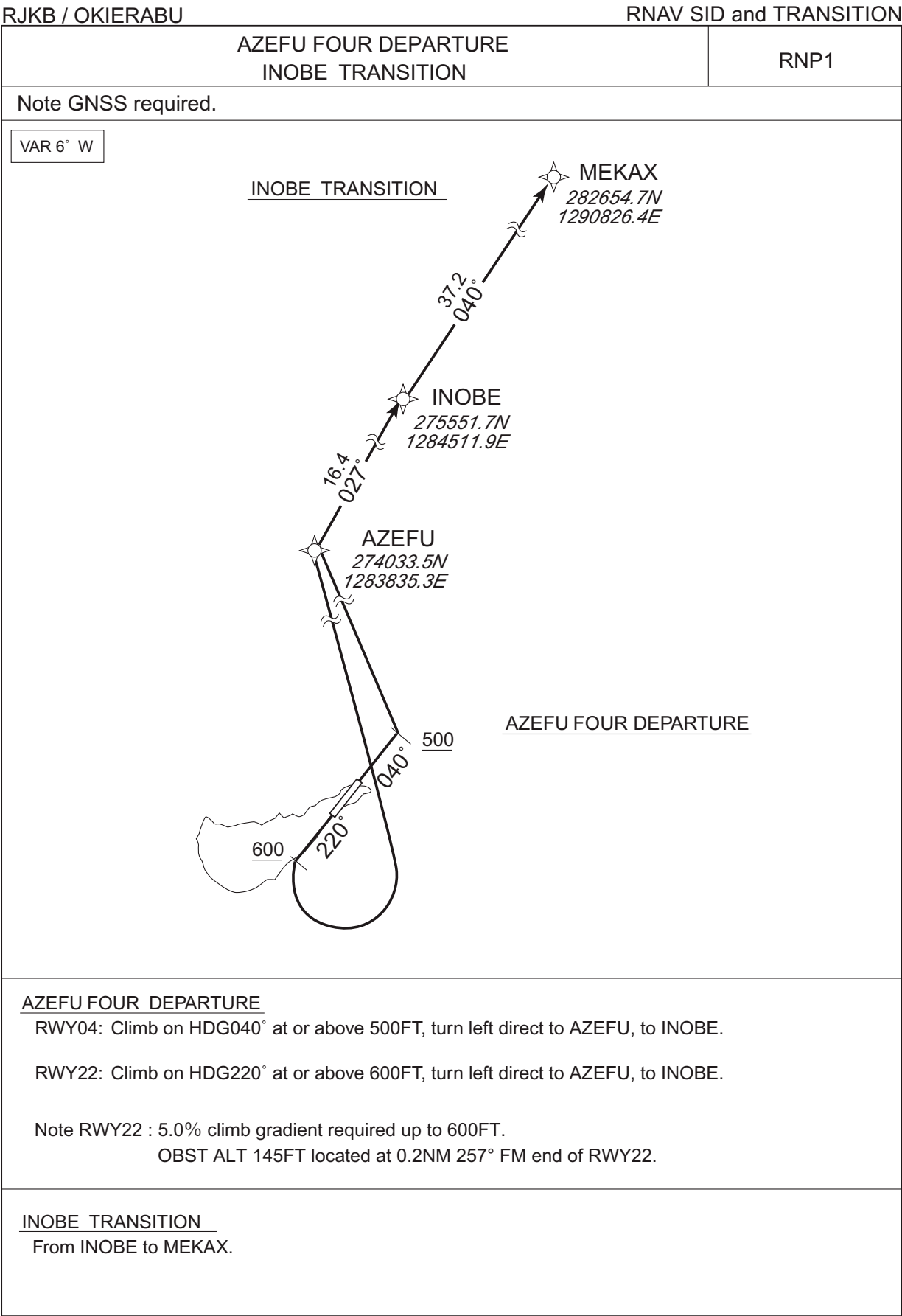
MEKAX TRANSITION

| 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              | NEORI               | —        | —              | -6.2               | —             | —              | —             | —            | —              | RNP1                     |
| 002           | TF              | MEKAX               | —        | 027<br>(021.0) | -6.2               | 35.2          | —              | —             | —            | —              | RNP1                     |

CHANGE : PROC name added. NEORI TWO DEPARTURE added. True bearing. VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

CHANGE : PROC name added. INOBE TRANSITION added. SID renamed(AZEFU FOUR DEPARTURE).  
Course FM INOBE to MEKAX. ALT restriction at AZEFU deleted.



STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID and TRANSITION

AZEFU FOUR DEPARTURE

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<br>(034.0) | -6.2               | —             | —              | +500          | —            | —              | RNP1                     |
| 002           | DF              | AZEFU               | —        | —              | -6.2               | —             | L              | —             | —            | —              | RNP1                     |
| 003           | TF              | INOBE               | —        | 027<br>(020.9) | -6.2               | 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<br>(214.0) | -6.2               | —             | —              | +600          | —            | —              | RNP1                     |
| 002           | DF              | AZEFU               | —        | —              | -6.2               | —             | L              | —             | —            | —              | RNP1                     |
| 003           | TF              | INOBE               | —        | 027<br>(020.9) | -6.2               | 16.4          | —              | —             | —            | —              | RNP1                     |

INOBE 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              | INOBE               | —        | —              | -6.2               | —             | —              | —             | —            | —              | RNP1                     |
| 002           | TF              | MEKAX               | —        | 040<br>(033.3) | -6.2               | 37.2          | —              | —             | —            | —              | RNP1                     |

CHANGE : PROC name added. AZEFU FOUR DEPARTURE added. VAR. True bearing. ALT restriction at AZEFU deleted.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID and TRANSITION

|   |      |
|---|------|
| SONNA TWO DEPARTURE<br>YUWAN TRANSITION | RNP1 |
|---|------|

Note GNSS required.



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.

YUWAN TRANSITION

From SONNA to YUWAN.

CHANGE : PROC name added. YUWAN TRANSITION added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID and TRANSITION

SONNA TWO DEPARTURE

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<br>(034.0) | -6.2               | —             | —              | +500          | —            | —              | RNP1                     |
| 002           | DF              | SONNA               | —        | —              | -6.2               | —             | —              | —             | —            | —              | 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<br>(214.0) | -6.2               | —             | —              | +600          | —            | —              | RNP1                     |
| 002           | DF              | SONNA               | —        | —              | -6.2               | —             | L              | —             | —            | —              | RNP1                     |

YUWAN 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              | SONNA               | —        | —              | -6.2               | —             | —              | —             | —            | —              | RNP1                     |
| 002           | TF              | YUWAN               | —        | 048<br>(041.8) | -6.2               | 30.4          | —              | —             | —            | —              | RNP1                     |

CHANGE : PROC name added. SONNA TWO DEPARTURE added. True bearing. VAR.



STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

YUNTA TWO DEPARTURE

RNP1

Note GNSS required.

VAR 6° W

ASATO  
271054.2N  
1283014.7E

500  
040°  
600  
220°

RWY04: Climb on HDG040° at or above 500FT, turn right direct to ASATO.  
RWY22: Climb on HDG220° at or above 600FT, direct to ASATO.  
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 (034.0)   | -6.2               | —             | —              | +500          | —            | —              | RNP1                     |
| 002           | DF              | ASATO               | —        | —             | -6.2               | —             | R              | —             | —            | —              | 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 (214.0)   | -6.2               | —             | —              | +600          | —            | —              | RNP1                     |
| 002           | DF              | ASATO               | —        | —             | -6.2               | —             | —              | —             | —            | —              | RNP1                     |

CHANGE : VAR. True bearing.

STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID



RWY04 : Climb on HDG 040° at or above 500FT, direct to HORAI.  
RWY22 : Climb on HDG 220° at or above 600FT, turn left direct to KB200, to HORAI.

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 (034.0)   | -6.2               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | HORAI               | -        | -             | -6.2               | -             | -              | -             | -            | -              | RNP1                     |

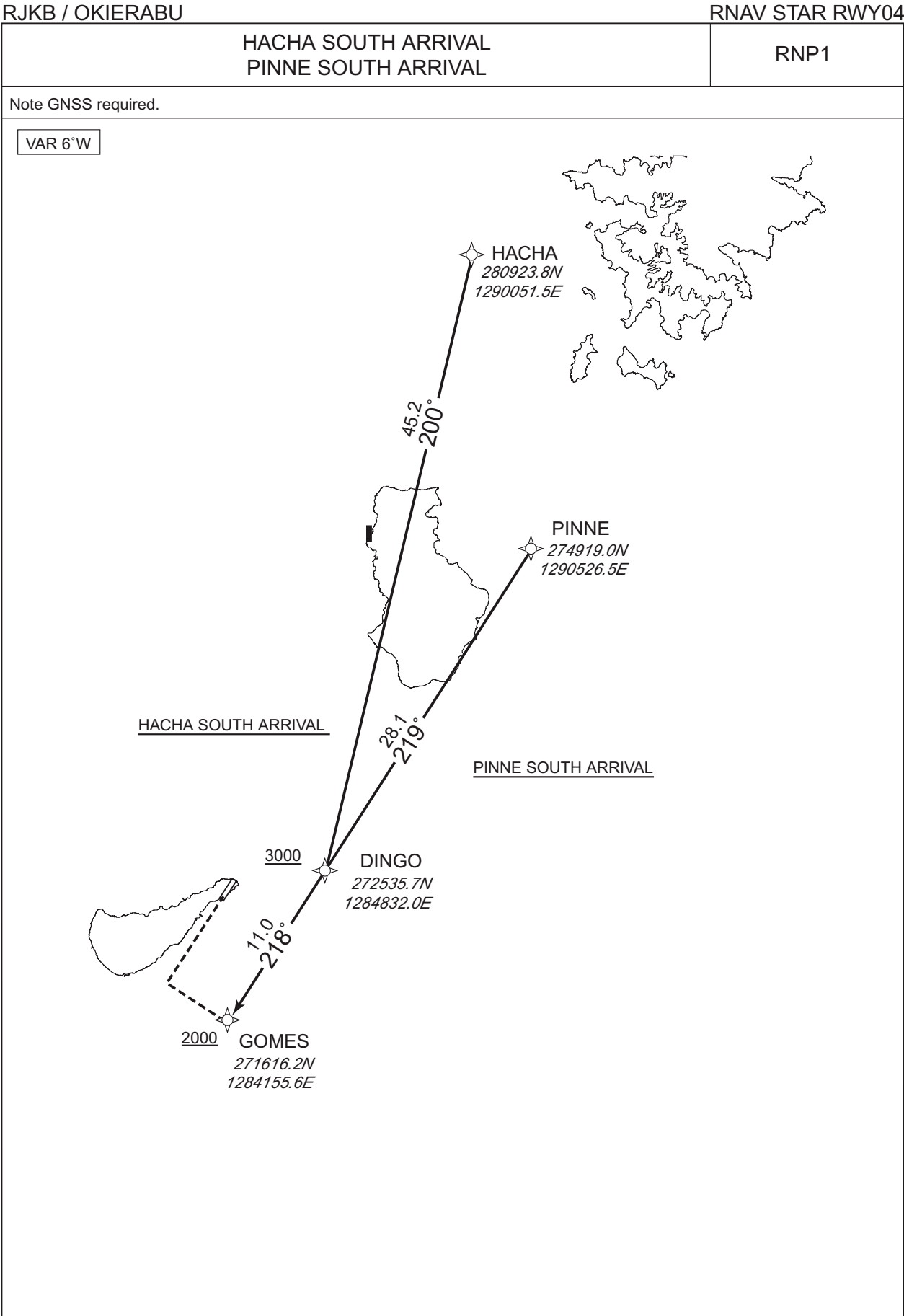
RWY22

| 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 (214.0)   | -6.2               | -             | -              | +600          | -            | -              | RNP1                     |
| 002           | DF              | KB200               | -        | -             | -6.2               | -             | L              | -             | -            | -              | RNP1                     |
| 003           | TF              | HORAI               | -        | 018 (011.8)   | -6.2               | 16.1          | -              | -             | -            | -              | RNP1                     |

CHANGE : VAR. True bearing.

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STANDARD ARRIVAL CHART - INSTRUMENT



STANDARD ARRIVAL CHART - INSTRUMENT

RJKB / OKIERABU

RNAV STAR RWY04

HACHA SOUTH ARRIVAL  
From HACHA, to DINGO at or above 3000FT, to GOMES 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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | DINGO               | -        | 200<br>(194.0) | -6.2               | 45.2          | -              | +3000         | -            | -              | RNP1                     |
| 003           | TF              | GOMES               | -        | 218<br>(212.2) | -6.2               | 11.0          | -              | +2000         | -            | -              | RNP1                     |

PINNE SOUTH ARRIVAL  
From PINNE, to DINGO at or above 3000FT, to GOMES 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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | DINGO               | -        | 219<br>(212.3) | -6.2               | 28.1          | -              | +3000         | -            | -              | RNP1                     |
| 003           | TF              | GOMES               | -        | 218<br>(212.2) | -6.2               | 11.0          | -              | +2000         | -            | -              | RNP1                     |

CHANGE : VAR. Course FM PINNE to DINGO.

STANDARD ARRIVAL CHART - INSTRUMENT

RJKB / OKIERABU RNAV STAR RWY22

|  |      |
|--|------|
| HACHA NORTH ARRIVAL / HACHA EAST ARRIVAL<br>PINNE NORTH ARRIVAL / PINNE EAST ARRIVAL | RNP1 |
|--|------|

Note GNSS required.



CHANGE : PROC course FM HACHA to WOODS.

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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | LILLY               | -        | 202<br>(195.6) | -6.2               | 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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | WOODS               | -        | 189<br>(182.4) | -6.2               | 34.4          | -              | +3300         | -            | -              | RNP1                     |
| 003           | TF              | PAULO               | -        | 207<br>(201.0) | -6.2               | 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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | LILLY               | -        | 232<br>(226.2) | -6.2               | 18.4          | -              | +3000         | -            | -              | RNP1                     |

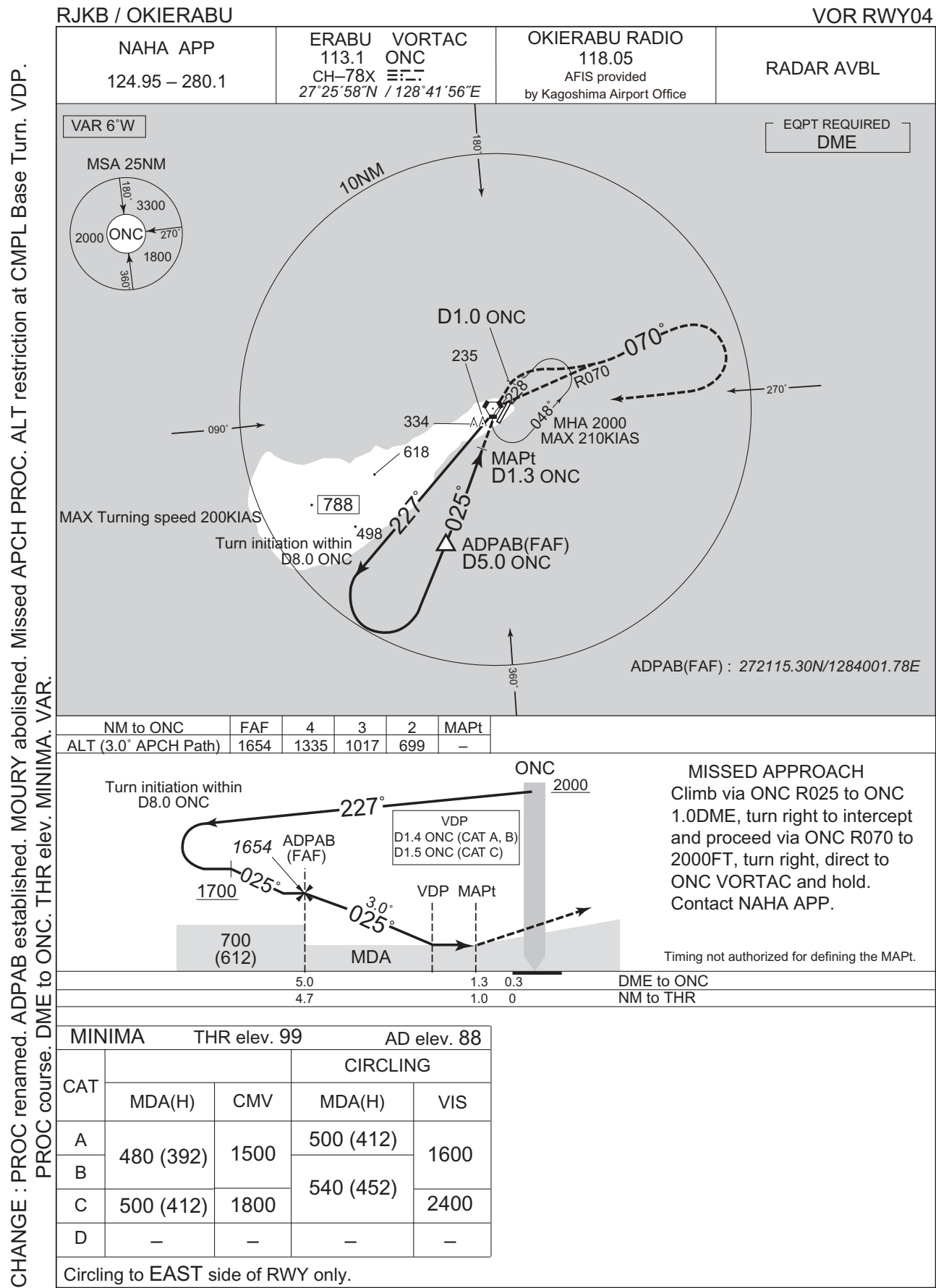
PINNE EAST ARRIVAL

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               | -        | -              | -6.2               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | WOODS               | -        | 207<br>(201.1) | -6.2               | 15.3          | -              | +3300         | -            | -              | RNP1                     |
| 003           | TF              | PAULO               | -        | 207<br>(201.0) | -6.2               | 5.2           | -              | +2000         | -            | -              | RNP1                     |

CHANGE : VAR. Course FM HACHA to WOODS.

INSTRUMENT APPROACH CHART





INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJKB / OKIERABU

RNP RWY04

FAS DATA BLOCK

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +00608        |
| SBAS service provider identifier | 2             | FPAP latitude              | 272621.2280N  |
| Airport identifier               | RJKB          | FPAP longitude             | 1284240.8210E |
| Runway                           | 04            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M04A          | ∟ length offset            | 0344          |
| LTP/FTP latitude                 | 272535.6665N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1284206.1585E | VAL                        | 50.0          |
| CRC remainder                    | 78273A92      |                            |               |

Required additional data

|                            |      |
|----------------------------|------|
| LTP/FTP orthometric height | 30.1 |
|----------------------------|------|

CHANGE : FAS DATA BLOCK and Required additional data established.

INSTRUMENT APPROACH CHART



CHANGE : ALT(3.0° APCH Path). VDP. PROC ALT at EMIKO. NM to THR. VAR.

INSTRUMENT APPROACH CHART



## RJKB / OKIERABU

## FAS DATA BLOCK

### Required additional data

CHANGE : FAS DATA BLOCK and Required additional data established.



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



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Minimum Vectoring Altitude CHART

CHANGE : Shape of segment. Minimum vectoring altitude.

