

## AD 2 AERODROMES

## RJKB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJKB - OKIERABU

## RJKB AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|   |  |  |
|---|--|--|
| 1 | ARP coordinates and site at AD   | 272554N/1284220E<br>034° / 0.675km FM RWY 04 THR   |
| 2 | Direction and distance from (city)   | 80nm SW from AMAMI AP  |
| 3 | Elevation/ Reference temperature   | 88ft / 32°C(2004-2008)   |
| 4 | Geoid undulation at AD ELEV<br>PSN   | Nil  |
| 5 | MAG VAR/ Annual change   | 6°W(2021)/ 6°W   |
| 6 | AD Administration, address,<br>telephone, telefax, telex, AFS,<br>e-mail and/or Web-site addresses | KAGOSHIMA PREF. PUBLIC AP.<br>4414-3, Kunigami,Wadamari-cho, Oshima-gun, Kagoshima Pref.<br>891-9101 JAPAN<br>Tel:0997-92-0520<br>Fax:0997-92-0750 |
| 7 | Types of traffic permitted(IFR/<br>VFR)  | IFR/VFR  |
| 8 | Remarks  | Nil  |

## RJKB AD 2.3 OPERATIONAL HOURS

|    |                           |   |
|----|---------------------------|---|
| 1  | AD Administration         | 2330 - 0930 (APR-SEP), 2330 - 0830 (OCT-MAR)  |
| 2  | Customs and immigration   | On request<br>Customs: 099-260-3125<br>Immigration: 099-222-5658                                    |
| 3  | Health and sanitation     | Quarantine(human): On request(099-222-8670)<br>Quarantine(animal, plant): Nil                       |
| 4  | AIS Briefing Office       | Nil   |
| 5  | ATS Reporting Office(ARO) | Nil   |
| 6  | MET Briefing Office       | H24 (FUKUOKA)   |
| 7  | ATS                       | 2330 - 0930(APR-SEP)<br>2330 - 0830(OCT-MAR)<br>Remarks: AFIS provided by Kagoshima Airport Office. |
| 8  | Fuelling                  | 2330 - 0930(APR-SEP)<br>2330 - 0830(OCT-MAR)  |
| 9  | Handling                  | Nil   |
| 10 | Security                  | Nil   |
| 11 | De-icing                  | Nil   |
| 12 | Remarks                   | Nil   |

**RJKB AD 2.4 HANDLING SERVICES AND FACILITIES**

|   |   |  |
|---|---|--|
| 1 | Cargo-handling facilities               | Nil  |
| 2 | Fuel/ oil types                         | JET A-1  |
| 3 | Fuelling facilities/ capacity           | Fueling facilities : Fuel truck, Capacity : 24kl / h |
| 4 | De-icing facilities                     | Nil  |
| 5 | Hangar space for visiting aircraft      | Nil  |
| 6 | Repair facilities for visiting aircraft | Nil  |
| 7 | Remarks                                 | Nil  |

**RJKB AD 2.5 PASSENGER FACILITIES**

|   |                      |                            |
|---|----------------------|----------------------------|
| 1 | Hotels               | In the city.               |
| 2 | Restaurants          | Available, not continuous. |
| 3 | Transportation       | Buses, taxies.             |
| 4 | Medical facilities   | In the city.               |
| 5 | Bank and Post Office | In the city                |
| 6 | Tourist Office       | Not available.             |
| 7 | Remarks              | Nil                        |

**RJKB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|   |   |                                  |
|---|---|----------------------------------|
| 1 | AD category for fire fighting               | CAT 6                            |
| 2 | Rescue equipment                            | Chemical fire fighting truck x 2 |
| 3 | Capability for removal of disabled aircraft | Nil                              |
| 4 | Remarks                                     | Nil                              |

**RJKB AD 2.7 SEASONAL AVAILABILITY-CLEARING**

|   |                             |                |
|---|-----------------------------|----------------|
| 1 | Types of clearing equipment | Not Applicable |
| 2 | Clearance priorities        | Nil            |
| 3 | Remarks                     | Nil            |

**RJKB AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

|   |                                     |  |
|---|-------------------------------------|--|
| 1 | Apron surface and strength          | Surface : Asphalt-Concrete, Strength : PCN 17/F/C/Y/T        |
| 2 | Taxiway width, surface and strength | Width:18m, Surface:Asphalt-Concrete, Strength:PCN 17/F/C/Y/T |
| 3 | ACL and elevation                   | Not available  |
| 4 | VOR checkpoints                     | Nil  |
| 5 | INS checkpoints                     | Nil  |
| 6 | Remarks                             | Nil  |

**RJKB 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:04/22<br>(Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe<br>(LGT) Nil<br><br>TWY:<br>(Marking) TWY CL, RWY HLDG PSN, TWY side stripe |
| 3 | Stop bars  | Nil   |
| 4 | Remarks  | (Marking) Overrun area  |

**RJKB AD 2.10 AERODROME OBSTACLES**

■ In Area2 See Obstacle data

■ In Area3 To be developed

## RJKB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

|    |  |  |
|----|--|--|
| 1  | Associated MET Office  | FUKUOKA  |
| 2  | Hours of service<br>MET Office outside hours                           | H24 (FUKUOKA)  |
| 3  | Office responsible for TAF preparation<br>Periods of validity          | Nil  |
| 4  | Trend forecast<br>Interval of issuance                                 | Nil  |
| 5  | Briefing/ consultation provided  | Briefing is available upon inquiry at FUKUOKA  |
| 6  | Flight documentation<br>Language(s) used                               | C<br>En  |
| 7  | Charts and other information available<br>for briefing or consultation | S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /T <sub>F</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> ,<br>P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , W, N |
| 8  | Supplementary equipment<br>available for providing information         | Nil  |
| 9  | ATS units provided with information                                    | RADIO  |
| 10 | Additional information(limitation of service, etc.)                    | Nil  |

## RJKB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY NR | TRUE<br>BRG | Dimensions of<br>RWY(M) | Strength(PCN) and<br>surface of RWY  | THR coordinates<br>THR geoid undulation | THR elevation and<br>highest elevation of TDZ<br>of precision APP RWY |
|------------------------|-------------|-------------------------|--|---|---|
| 1                      | 2           | 3                       | 4  | 5                                       | 6   |
| 04                     | 34.15°      | 1350x45                 | PCN 17/F/C/Y/T<br>Asphalt-Concrete   | Nil                                     | THR ELEV: 98.8ft  |
| 22                     | 214.15°     | 1350x45                 | PCN 17/F/C/Y/T<br>Asphalt-Concrete   | Nil                                     | THR ELEV: 78.8ft  |
| Slope of RWY           |             | Strip<br>Dimensions(M)  | RESA(Overrun)<br>Dimensions(M)   |   | Remarks   |
| 7                      |             | 10                      | 11   |   | 14  |
| See AD2.24 AD chart    |             | 1470x150<br>1470x150    | 40x(MNM:113 MAX:150)*<br>26x(MNM:120 MAX:146)*<br>*For detail, ask airport administrator |   | RWY Grooving: 1350m x 30m   |

## RJKB AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA<br>(m) | TODA<br>(m) | ASDA<br>(m) | LDA<br>(m) | Remarks |
|----------------|-------------|-------------|-------------|------------|---------|
| 1              | 2           | 3           | 4           | 5          | 6       |
| 04             | 1350        | 1350        | 1350        | 1350       | Nil     |
| 22             | 1350        | 1350        | 1350        | 1350       | Nil     |

**RJKB AD 2.14 APPROACH AND RUNWAY LIGHTING**

| RWY<br>Designator                               | APCH<br>LGT<br>type<br>LEN<br>INTST | RTHL<br>Color<br>WBAR | PAPI<br>(VASIS)<br>Angle<br>DIST FM THR<br>MEHT | RTZL<br>LEN | RCLL<br>LEN<br>Spacing<br>Color<br>INTST | REDL<br>LEN<br>Spacing<br>Color<br>INTST | RENL<br>Color<br>WBAR | STWL<br>LEN<br>Color |
|---|-------------------------------------|-----------------------|---|-------------|--|--|-----------------------|----------------------|
| 1   | 2                                   | 3                     | 4   | 5           | 6  | 7  | 8                     | 9                    |
| 04  | Nil                                 | Nil                   | PAPI<br>3.0°/LEFT<br>304m<br>45ft               | Nil         | Nil                                      | Nil                                      | Nil                   | Nil                  |
| 22  | Nil                                 | Nil                   | PAPI<br>3.0°/LEFT<br>253.4m<br>45ft             | Nil         | Nil                                      | Nil                                      | Nil                   | Nil                  |
| Remarks   |                                     |                       |   |             |  |  |                       |                      |
| 10  |                                     |                       |   |             |  |  |                       |                      |
| RWY THR ID LGT for RWY 04/22 THR(Color : White) |                                     |                       |   |             |  |  |                       |                      |

**RJKB AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

|   |   |   |
|---|---|---|
| 1 | ABN/ IBN location, characteristics and hours of operation | Nil   |
| 2 | LDI location and LGT<br>Anemometer location and LGT       | LDI : Nil<br>Anemometer :<br>RWY04 : 310m FM RWY 04 THR, LGTD<br>RWY22 : 260m FM RWY 22 THR, LGTD |
| 3 | TWY edge and center line lighting                         | Nil   |
| 4 | Secondary power supply/ switch-over time                  | Within 15 sec : PAPI, RWY THR ID LGT,   |
| 5 | Remarks   | WDI : AVBL  |

**RJKB AD 2.16 HELICOPTER LANDING AREA**

|     |
|-----|
| Nil |
|-----|

## RJKB 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       |
| Okierabu Information Zone      | Area within a radius of 5nm(9km) of Okierabu ARP | 3,000ft or below     | E                       | OKIERABU RADIO En           |         |

## RJKB AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign      | Frequency | Hours of operation                             | Remarks                              |
|---------------------|----------------|-----------|--|--------------------------------------|
| 1                   | 2              | 3         | 4  | 5                                    |
| AFIS                | OKIERABU RADIO | 118.05MHZ | 2330 - 0930 (APR-SEP)<br>2330 - 0830 (OCT-MAR) | Operated by Kagoshima Airport Office |

## RJKB AD 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid (VOR declination) | ID  | Frequency        | Hours of operation | Position of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks   |
|-------------------------------|-----|------------------|--------------------|--|---------------------------------------|---|
| 1                             | 2   | 3                | 4                  | 5  | 6                                     | 7   |
| VOR (5°W / 2014)              | ONC | 113.1MHZ         | H24                | 272558.38N<br>1284156.27E                    |                                       |   |
| TACAN                         | ONC | 1165MHZ (CH-78X) | H24                | 272600.15N<br>1284156.09E                    | 218ft                                 | TACAN AZM unusable:<br>360°-020° beyond 30NM<br>BLW 3,000ft<br>050°-085° beyond 30NM<br>BLW 3,000ft<br>200°-210° beyond 30NM<br>BLW 3,000ft<br>210°-220° beyond 25NM<br>BLW 3,000ft<br>220°-250° beyond 30NM<br>BLW 3,000ft<br>295°-305° beyond 30NM<br>BLW 3,000ft<br>340°-350° beyond 35NM<br>BLW 3,000ft |
| MSAS                          |     | 1575.42MHZ       | H24                |  |                                       | Transmitting antennas are satellite based   |

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**RJKB AD 2.20 LOCAL TRAFFIC REGULATIONS**

1. Airport regulations

|     |
|-----|
| Nil |
|-----|

2. Taxiing to and from stands

|     |
|-----|
| Nil |
|-----|

3. Parking area for small aircraft(General aviation)

|     |
|-----|
| Nil |
|-----|

4. Parking area for helicopters

|     |
|-----|
| Nil |
|-----|

5. Apron - taxiing during winter conditions

|     |
|-----|
| Nil |
|-----|

6. Taxiing - limitations

|     |
|-----|
| Nil |
|-----|

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

|     |
|-----|
| Nil |
|-----|

8. Helicopter traffic - limitation

|     |
|-----|
| Nil |
|-----|

9. Removal of disabled aircraft from runways

|     |
|-----|
| Nil |
|-----|

**RJKB AD 2.21 NOISE ABATEMENT PROCEDURES**

Nil

**RJKB AD 2.22 FLIGHT PROCEDURES****TAKE OFF MINIMA**

|  | RWY | ACFT CAT | REDL & RCLL     |     | REDL or RCLL or RCL marking |      | NIL<br>(DAYTIME ONLY) |      |
|--|-----|----------|-----------------|-----|-----------------------------|------|-----------------------|------|
|  |     |          | RVR             | VIS | RVR                         | VIS  | RVR                   | VIS  |
| Multi-Engine<br>ACFT with<br>TKOF ALTN<br>AP Filed | 04  | A, B, C  | -               | -   | -                           | 400m | -                     | 500m |
|  | 22  |          |                 |     |                             | 400m |                       | 500m |
| OTHER  | 04  | A, B, C  | AVBL LDG MINIMA |     |                             |      |                       |      |
|  | 22  |          |                 |     |                             |      |                       |      |

**RJKB AD 2.23 ADDITIONAL INFORMATION**

Nil

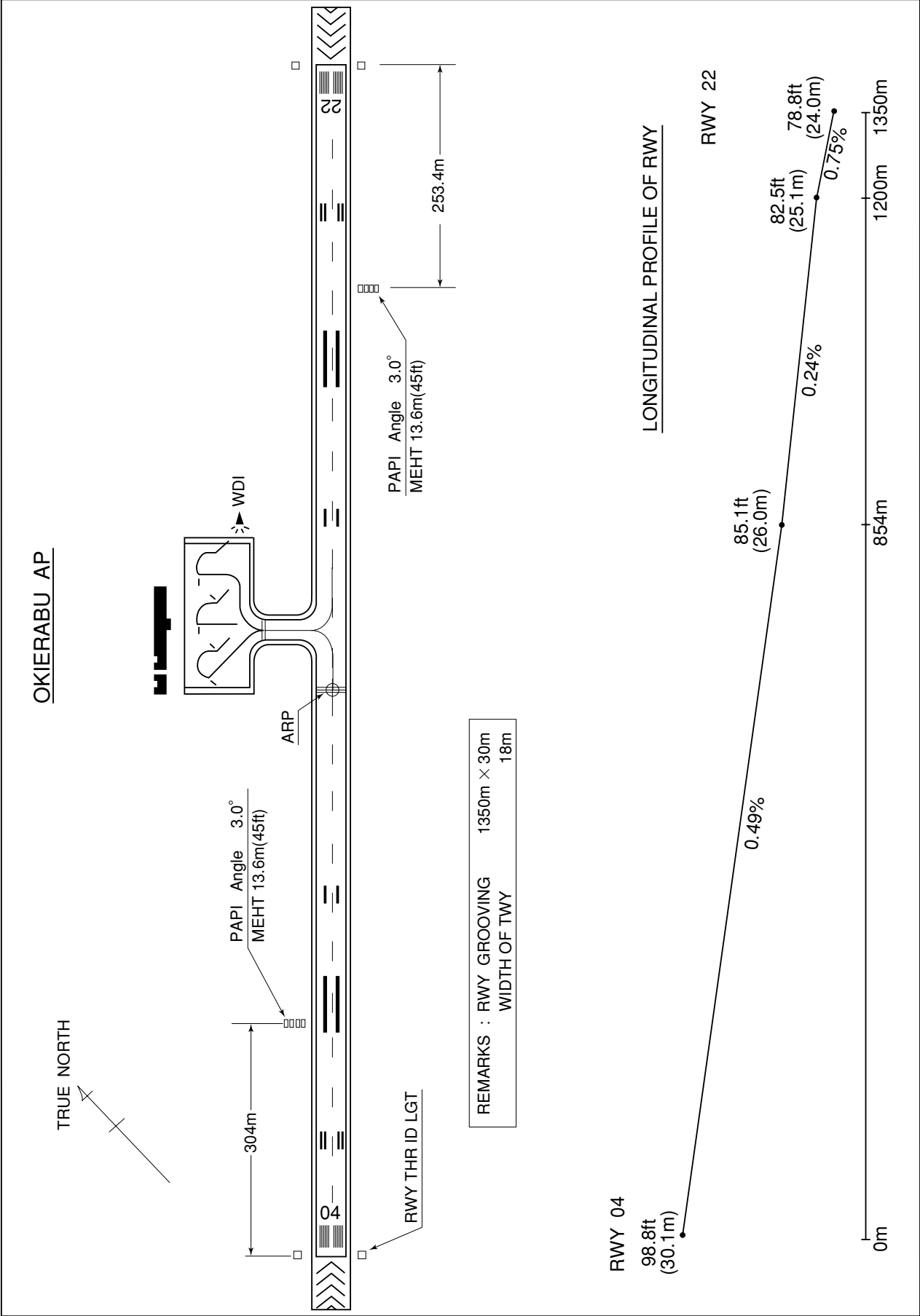
**RJKB AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome/Heliport Chart  
 Standard Departure Chart - Instrument (MEKAX NORTH, YUWAN, ASATO, ERABU REVERSAL)  
 Standard Departure Chart - Instrument (NEORI, AZEFU, SONNA, YUNTA-RNAV)  
 Standard Departure Chart - Instrument (HORAI-RNAV)  
 Standard Arrival Chart - Instrument (HACHA SOUTH, PINNE SOUTH)  
 Standard Arrival Chart - Instrument (HACHA NORTH, HACHA EAST, PINNE NORTH, PINNE EAST)  
 Instrument Approach Chart (VOR Z RWY04)  
 Instrument Approach Chart (VOR Y RWY04)  
 Instrument Approach Chart (RNAV(GNSS) RWY04)  
 Instrument Approach Chart (VOR RWY22)  
 Instrument Approach Chart (RNAV(GNSS) RWY22)  
 Other Chart (Visual REP)  
 Other Chart (LDG CHART)  
 Other Chart (MVA CHART)



RJKB / OKIERABU

AD CHART



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

Basic RNP1

Note GNSS required.

VAR 6° W(2021)



## 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          | —            | —              | Basic RNP1               |
| 002           | DF              | NEORI               | —        | —             | -5.9               | —             | L              | —             | —            | —              | Basic 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          | —            | —              | Basic RNP1               |
| 002           | DF              | NEORI               | —        | —             | -5.9               | —             | L              | —             | —            | —              | Basic RNP1               |

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV TRANSITION

| MEKAX TRANSITION   | Basic RNP1      |                     |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |
|--|-----------------|---------------------|-----------------|---------------------|--------------------|---------------|--------------------|---------------|----------------|----------------|--------------------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|------------|-----|----|-------|---|-------------|------|------|---|---|---|---|------------|
| Note GNSS required.  |                 |                     |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |
| <div>VAR 6° W(2021)</div> <div><p>MEKAX TRANSITION</p><p>MEKAX<br/>282654.7N<br/>1290826.4E</p><p>NEORI<br/>275405.1N<br/>1285405.8E</p><p>35.2<br/>027°</p></div>   |                 |                     |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |
| <div>MEKAX TRANSITION</div> <div>From NEORI to MEKAX.</div>  |                 |                     |                 |                     |                    |               |                    |               |                |                |                          |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |
| <div>CHANGE: VAR. Navigation Specification. PROC course.</div> <table><thead><tr><th>Serial Number</th><th>Path Descriptor</th><th>Waypoint Identifier</th><th>Fly Over</th><th>Course °M(°T)</th><th>Magnetic Variation</th><th>Distance (NM)</th><th>Turn Direction</th><th>Altitude (FT)</th><th>Speed (KIAS)</th><th>Vertical Angle</th><th>Navigation Specification</th></tr></thead><tbody><tr><td>001</td><td>IF</td><td>NEORI</td><td>—</td><td>—</td><td>-5.9</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>Basic RNP1</td></tr><tr><td>002</td><td>TF</td><td>MEKAX</td><td>—</td><td>027 (021.0)</td><td>-5.9</td><td>35.2</td><td>—</td><td>—</td><td>—</td><td>—</td><td>Basic RNP1</td></tr></tbody></table> |                 | 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 | — | — | -5.9 | — | — | — | — | — | Basic RNP1 | 002 | TF | MEKAX | — | 027 (021.0) | -5.9 | 35.2 | — | — | — | — | Basic RNP1 |
| 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               | —               | —                   | -5.9               | —             | —                  | —             | —              | —              | Basic RNP1               |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |
| 002  | TF              | MEKAX               | —               | 027 (021.0)         | -5.9               | 35.2          | —                  | —             | —              | —              | Basic RNP1               |                |                          |     |    |       |   |   |      |   |   |   |   |   |            |     |    |       |   |             |      |      |   |   |   |   |            |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

## AZEFU THREE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)

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<br>(034.1) | -5.9               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | AZEFU               | —        | —              | -5.9               | —             | L              | -5000         | —            | —              | Basic RNP1               |
| 003           | TF              | INOBE               | —        | 027<br>(020.9) | -5.9               | 16.4          | —              | —             | —            | —              | Basic 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>(214.1) | -5.9               | —             | —              | +600          | —            | —              | Basic RNP1               |
| 002           | DF              | AZEFU               | —        | —              | -5.9               | —             | L              | -5000         | —            | —              | Basic RNP1               |
| 003           | TF              | INOBE               | —        | 027<br>(020.9) | -5.9               | 16.4          | —              | —             | —            | —              | Basic RNP1               |

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE: VAR. Navigation Specification.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

## SONNA TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)

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          | —            | —              | Basic RNP1               |
| 002           | DF              | SONNA               | —        | —             | -5.9               | —             | —              | —             | —            | —              | Basic 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          | —            | —              | Basic RNP1               |
| 002           | DF              | SONNA               | —        | —             | -5.9               | —             | L              | —             | —            | —              | Basic RNP1               |

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV TRANSITION

| YUWAN TRANSITION   |               |                 |                     |          |               |                    |               |                |               | Basic RNP1   |                |                          |
|--|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| Note GNSS required.  |               |                 |                     |          |               |                    |               |                |               |              |                |                          |
| <div>VAR 6° W(2021)</div> <div></div> |               |                 |                     |          |               |                    |               |                |               |              |                |                          |
| <div>YUWAN TRANSITION</div> <div>From SONNA to YUWAN.</div>  |               |                 |                     |          |               |                    |               |                |               |              |                |                          |
| CHANGE: VAR. Navigation Specification. PROC course.  | 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               | —        | —             | -5.9               | —             | —              | —             | —            | —              | Basic RNP1               |
|  | 002           | TF              | YUWAN               | —        | 048 (041.8)   | -5.9               | 30.4          | —              | —             | —            | —              | Basic RNP1               |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID

## YUNTA TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)

YUNTA TWO DEPARTURE

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 (034.1)   | -5.9               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | ASATO               | —        | —             | -5.9               | —             | R              | —             | —            | —              | Basic 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          | —            | —              | Basic RNP1               |
| 002           | DF              | ASATO               | —        | —             | -5.9               | —             | —              | —             | —            | —              | Basic RNP1               |

CHANGE: VAR: PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

RNAV SID



HORAI ONE DEPARTURE

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 (034.1)   | -5.9               | -             | -              | +500          | -            | -              | Basic RNP1               |
| 002           | DF              | HORAI               | -        | -             | -5.9               | -             | -              | -             | -            | -              | Basic 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          | -            | -              | Basic RNP1               |
| 002           | DF              | KB200               | -        | -             | -5.9               | -             | L              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | HORAI               | -        | 018 (011.8)   | -5.9               | 16.1          | -              | -             | -            | -              | Basic RNP1               |

CHANGE : New PROC.

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               | —        | —              | -5.9               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | DINGO               | —        | 200<br>(194.0) | -5.9               | 45.2          | —              | +3000         | —            | —              | Basic RNP1               |
| 003           | TF              | GOMES               | —        | 218<br>(212.2) | -5.9               | 11.0          | —              | +2000         | —            | —              | Basic RNP1               |

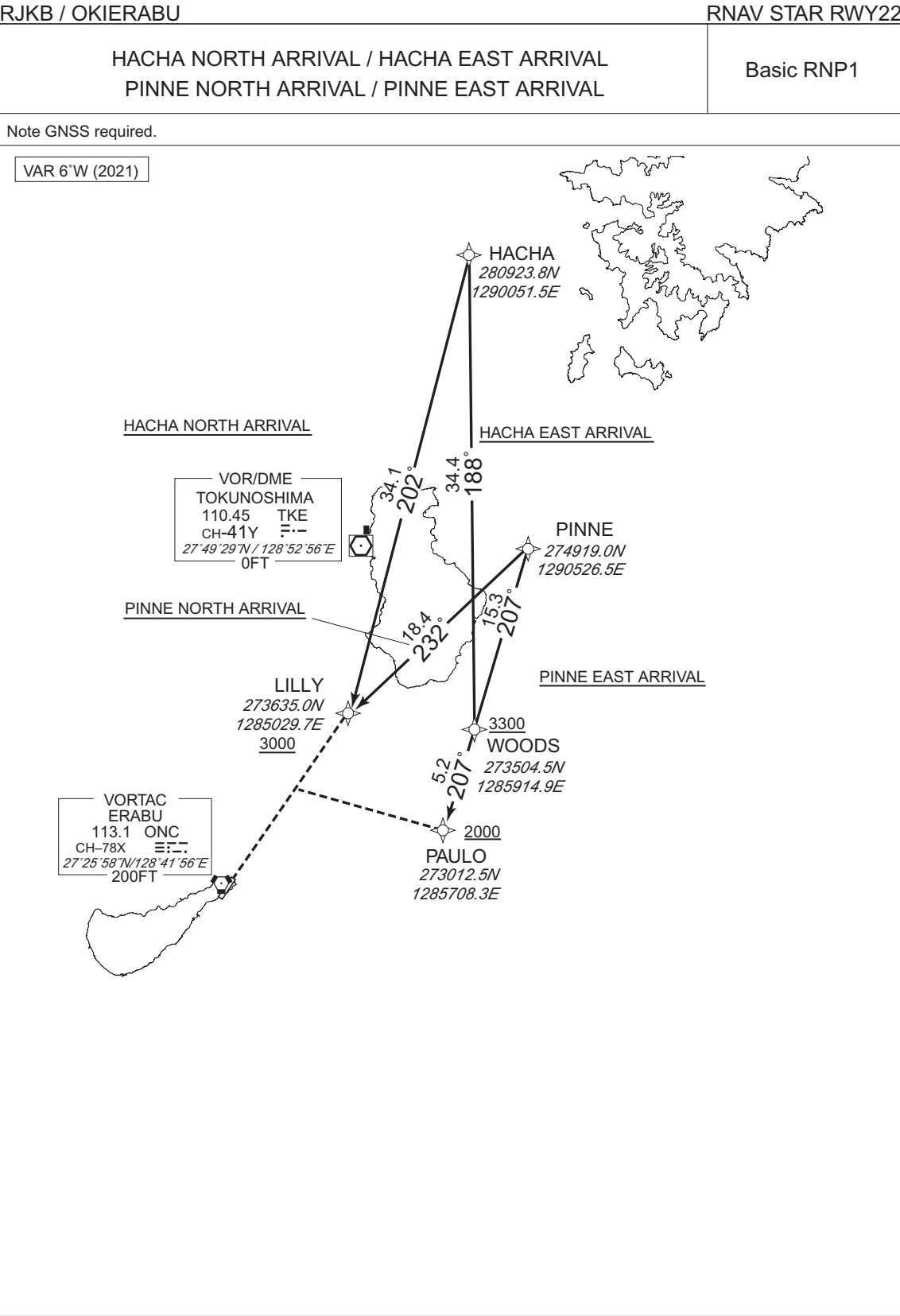
PINNE SOUTH ARRIVAL

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               | —        | —              | -5.9               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | DINGO               | —        | 218<br>(212.3) | -5.9               | 28.1          | —              | +3000         | —            | —              | Basic RNP1               |
| 003           | TF              | GOMES               | —        | 218<br>(212.2) | -5.9               | 11.0          | —              | +2000         | —            | —              | Basic RNP1               |

CHANGE: VAR. Course FM HACHA to DINGO.

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               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | LILLY               | —        | 202<br>(195.6) | -5.9               | 34.1          | —              | +3000         | —            | —              | Basic 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               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | WOODS               | —        | 188<br>(182.4) | -5.9               | 34.4          | —              | +3300         | —            | —              | Basic RNP1               |
| 003           | TF              | PAULO               | —        | 207<br>(201.0) | -5.9               | 5.2           | —              | +2000         | —            | —              | Basic 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               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | LILLY               | —        | 232<br>(226.2) | -5.9               | 18.4          | —              | +3000         | —            | —              | Basic 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               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | WOODS               | —        | 207<br>(201.1) | -5.9               | 15.3          | —              | +3300         | —            | —              | Basic RNP1               |
| 003           | TF              | PAULO               | —        | 207<br>(201.0) | -5.9               | 5.2           | —              | +2000         | —            | —              | Basic RNP1               |

CHANGE: PROC course FM HACHA to LILLY.



INSTRUMENT APPROACH CHART

RJKB / OKIERABU

VOR Z RWY04



## INSTRUMENT APPROACH CHART

RJKB / OKIERABU

VOR Y RWY04



CHANGE : ATC call sign and FREQ.

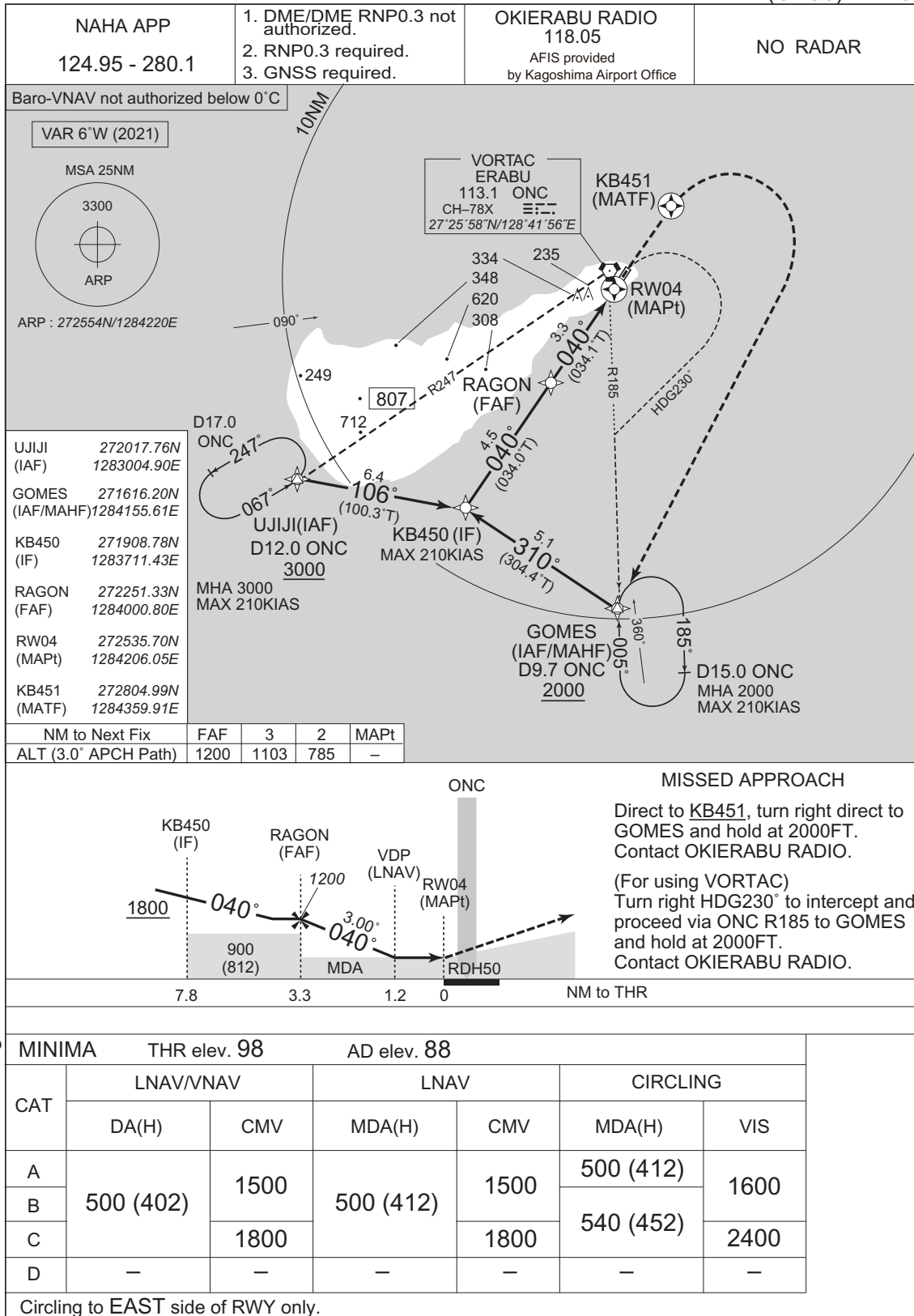
| MINIMA |           | THR elev. 98 | AD elev. 88 |      |
|--------|-----------|--------------|-------------|------|
| CAT    |           |              | CIRCLING    |      |
|        | MDA(H)    | CMV          | MDA(H)      | VIS  |
| A      | 490 (402) | 1500         | 500 (412)   | 1600 |
| B      | 510 (422) |              | 540 (452)   |      |
| C      | 540 (452) | 2000         |             |      |
| D      | —         | —            | —           | —    |

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJKB / OKIERABU

RNAV(GNSS) RWY04

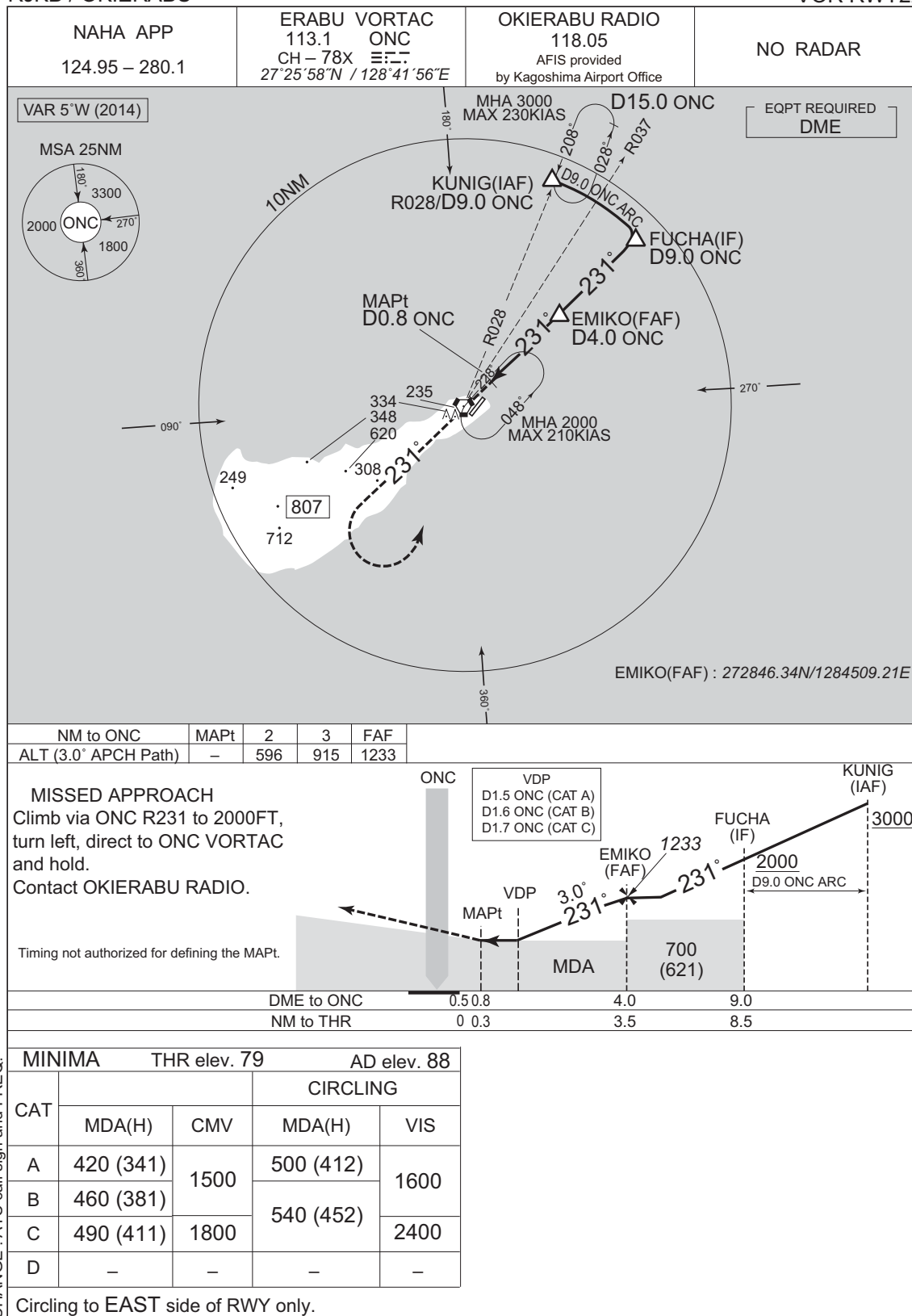


CHANGE : VAR. ATC call sign and FREQ.

## INSTRUMENT APPROACH CHART

RJKB / OKIERABU

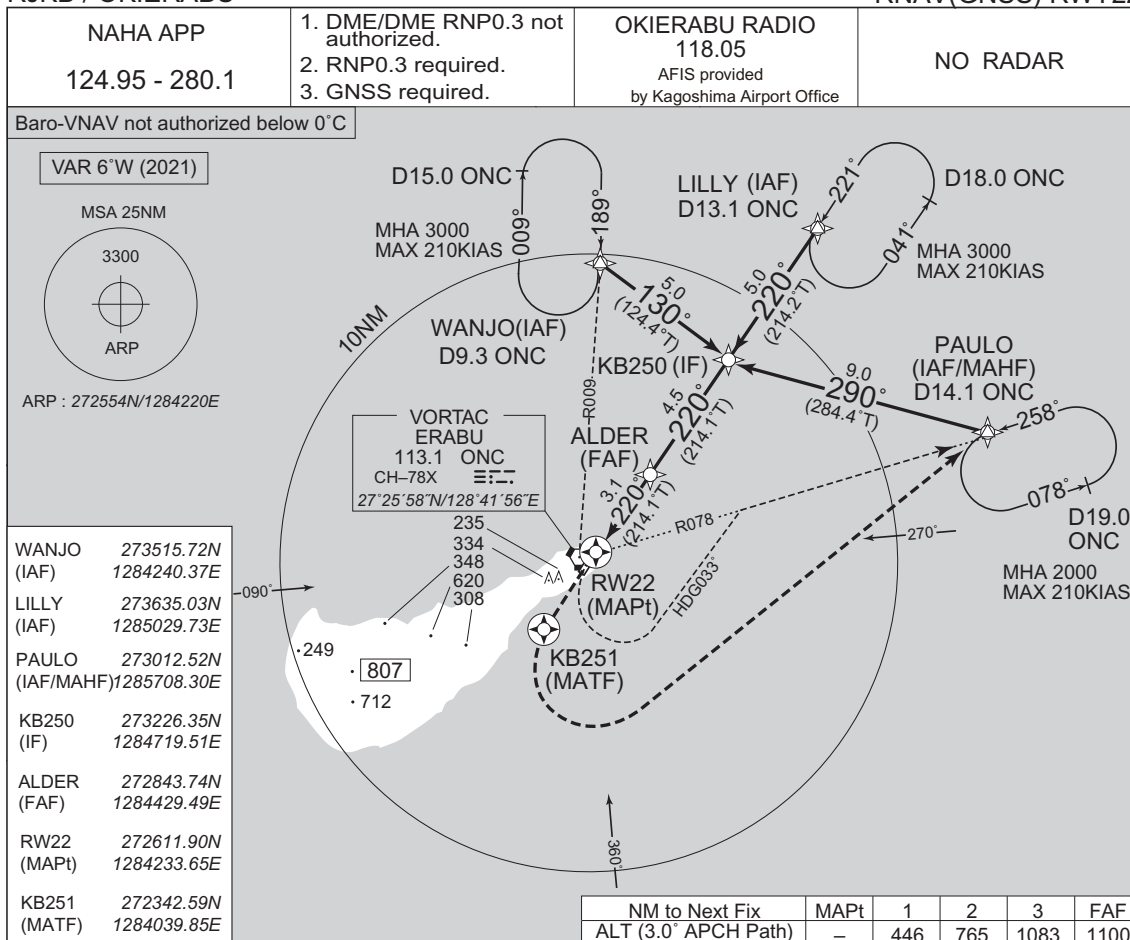
VOR RWY22



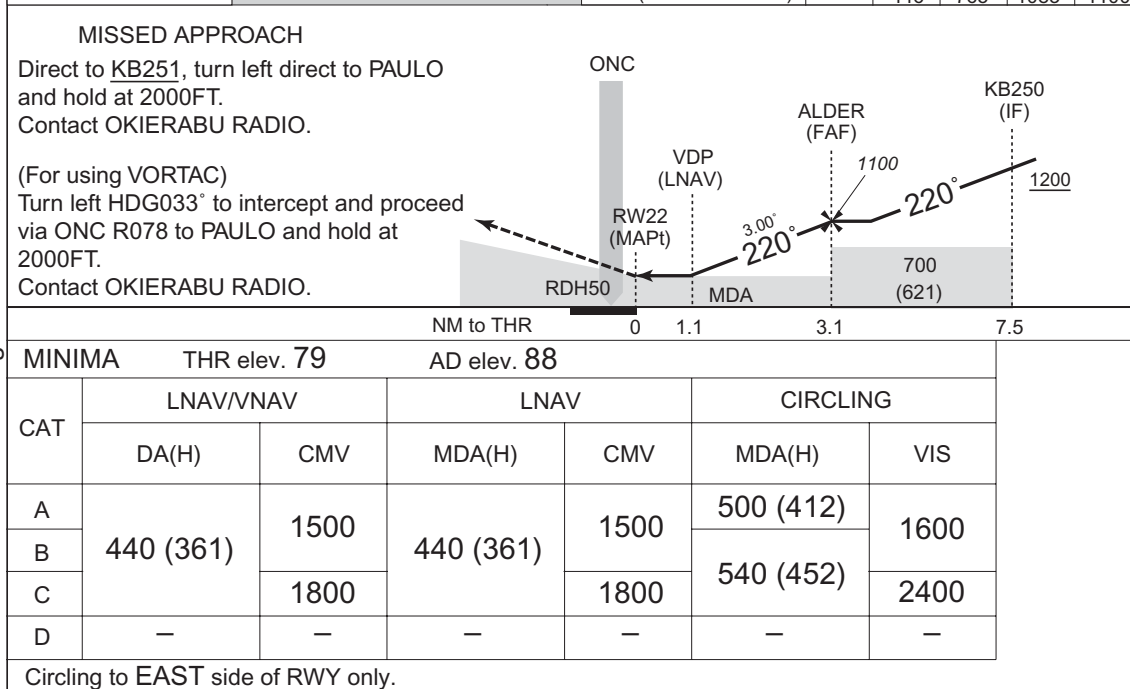
INSTRUMENT APPROACH CHART

RJKB / OKIERABU

RNAV(GNSS) RWY22



CHANGE : VAR. ATC call sign and FREQ.



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<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

