

AD 2 AERODROMES

RJOW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJOW - IWAMI

RJOW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|--|--|
| 1 | ARP coordinates and site at AD | 344035N / 1314725E 105°/1km FM RWY 11 THR |
| 2 | Direction and distance from (city) | 2.8NM W of MASUDA City |
| 3 | Elevation/ Reference temperature | 177ft / 30°C(2003-2007) |
| 4 | Geoid undulation at AD ELEV PSN | 108ft |
| 5 | MAG VAR/ Annual change | 8°W(2024) / 5°W |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Shimane Pref. Public AP Iwami airport administration office. 1597, Uchida-cho, Masuda-city, Shimane, 698-0051 JAPAN Tel : 0856-24-0002 Fax : 0856-23-5491 AFS : Nil E-mail : iwamikukokanri@pref.shimane.lg.jp Web : http://www.pref.shimane.jp/ |
| 7 | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 8 | Remarks | Nil |

RJOW AD 2.3 OPERATIONAL HOURS

| | | |
|----|---------------------------|---|
| 1 | AD Administration | 2300 - 1030 |
| 2 | Customs and immigration | On request Customs: 0855-27-0366 Immigration: 0852-21-3834 |
| 3 | Health and sanitation | Quarantine(human): On request(082-251-1836) Quarantine(animal, plant): Nil |
| 4 | AIS Briefing Office | Nil |
| 5 | ATS Reporting Office(ARO) | Nil |
| 6 | MET Briefing Office | H24 (KANSAI) |
| 7 | ATS | 2300 - 1030 Remarks : AFIS provided by Osaka Airport Office. |
| 8 | Fuelling | 2300 - 1030 |
| 9 | Handling | 2300 - 1030 |
| 10 | Security | 2300 - 1030 |
| 11 | De-icing | 2300 - 1030 |
| 12 | Remarks | Nil |

RJOW AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|---|
| 1 | Cargo-handling facilities | All the modern institutions that deal with the aircraft to B737-500 |
| 2 | Fuel/ oil types | Fuel grades : JET-A-1 Oil grades : Nil |
| 3 | Fuelling facilities/ capacity | Fuel truck refueling / Not limitation |
| 4 | De-icing facilities | TYPE-4 ABC-S, TYPE-1 DF-PLUS |
| 5 | Hangar space for visiting aircraft | Nil |
| 6 | Repair facilities for visiting aircraft | Nil |
| 7 | Remarks | Nil |

RJOW AD 2.5 PASSENGER FACILITIES

| | | |
|---|----------------------|--------------------|
| 1 | Hotels | In Masuda city |
| 2 | Restaurants | At airport |
| 3 | Transportation | Busses and taxis |
| 4 | Medical facilities | In Masuda city 5km |
| 5 | Bank and Post Office | Nil |
| 6 | Tourist Office | Nil |
| 7 | Remarks | Nil |

RJOW AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|--|
| 1 | AD category for fire fighting | CAT 7 |
| 2 | Rescue equipment | Chemical fire fighting truck x 2, Emergency medical equipments conveyance truck x 1 |
| 3 | Capability for removal of disabled aircraft | Ask AD administration |
| 4 | Remarks | Nil |

RJOW AD 2.7 SEASONAL AVAILABILITY-CLEARING

| | | |
|---|-----------------------------|---------------------------------|
| 1 | Types of clearing equipment | Snow plow x 2, Snow sweeper x 1 |
| 2 | Clearance priorities | (1) RWY 11/29 (2)TWY, Apron |
| 3 | Remarks | Nil |

RJOW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|-------------------------------------|--|
| 1 | Apron surface and strength | Surface : cement-concrete, Strength : PCR 845/R/B/W/T |
| 2 | Taxiway width, surface and strength | Width:30m, Surface : asphalt-concrete, Strength:PCR 991/F/D/X/T |
| 3 | ACL and elevation | Not available |
| 4 | VOR checkpoints | Not available |
| 5 | INS checkpoints | Spot NR 1: 344041.11N 1314746.35E 2: 344040.68N 1314748.34E 3: 344040.18N 1314750.62E |
| 6 | Remarks | Nil |

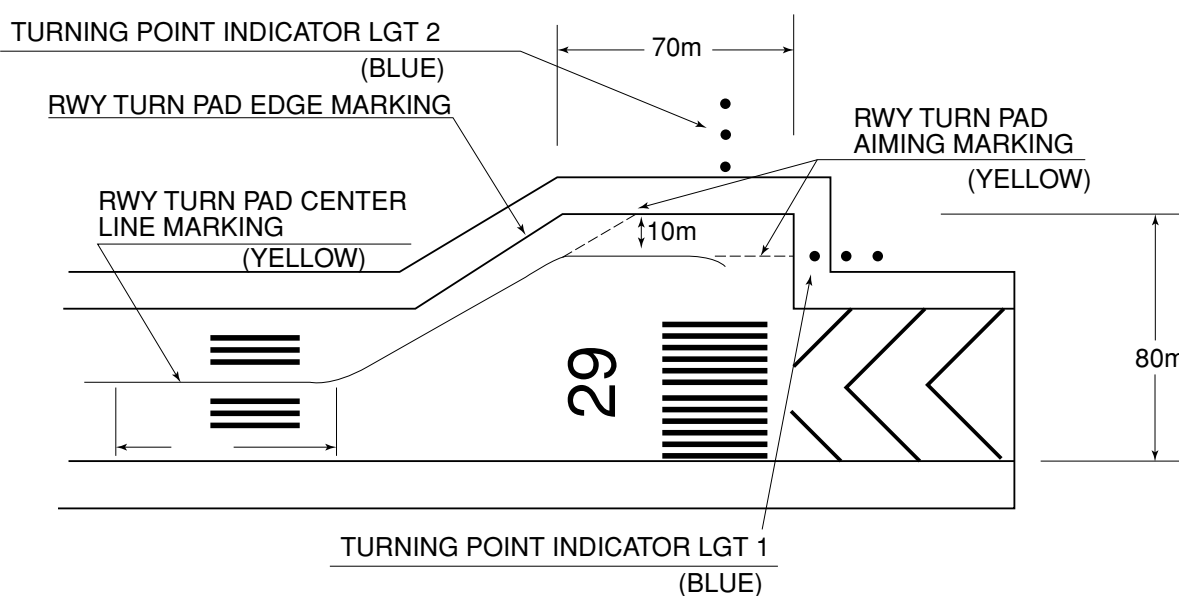
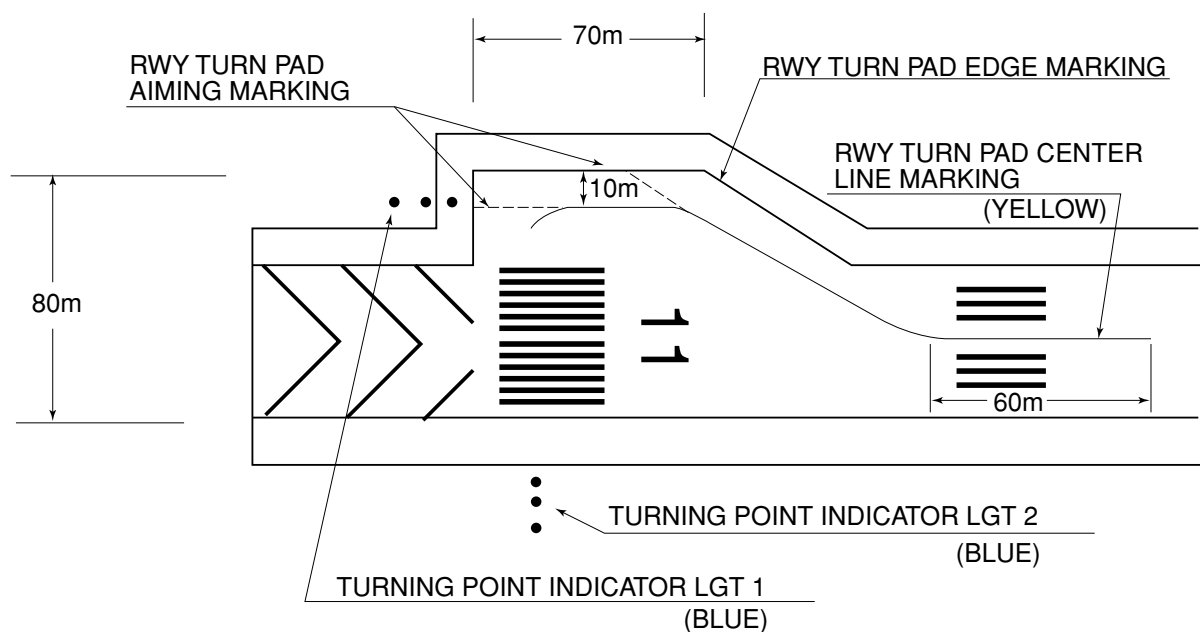
RJOW AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

| | | |
|---|--|--|
| 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:11/29 (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe, RWY turn pad edge, RWY turn pad CL, RWY turn pad aiming (LGT)RCLL, REDL, RTHL, RENL, RTZL(RWY11), WBAR(RWY11), Turning point indicator LGT TWY: (Marking)TWY CL, TWY side stripe, RWY HLDG PSN (LGT)TWY edge LGT, TWY CL |
| 3 | Stop bars | Nil |
| 4 | Remarks | (Marking) Overrun area (LGT) APN flood LGT |

180° turn on RWY

RWY Turn pads are installed as shown in below figure, and procedures for 180° turn on RWY is established for RWY 11 and 29 as follows:

- Proceed along the RWY Center Line to the starting point of the RWY Turn Pad Center Line Marking; then,
- proceed along the RWY Turn Pad Center Line Marking to see the Turning Point Indicator Lights 1 on a straight line, then commence turn at the spot where you (pilot) can see the Turning Point Indicator Lights 2 on a straight line at an angle of 9 o'clock. When turning, take MAX STEERING ANGLE.



RJOW AD 2.10 AERODROME OBSTACLES

In Area2 See Obstacle data

Other obstacles

| OBST ID/ designation | Obstacle type | Coordinates | Elevation | Markings/LGT | Remarks |
|-------------------------|---------------|----------------------|-----------|--------------|----------------------|
| RJOW1 | Panzer mast | 343955.5N/1314634.1E | 314ft | - / LIM | Under horizontal SFC |
| RJOW2 | Panzer mast | 343923.5N/1314739.1E | 319ft | - / LIM | Under horizontal SFC |
| RJOW3 | Panzer mast | 343929.5N/1314850.1E | 319ft | - / LIL | Under horizontal SFC |
| RJOW4 | Tree | 343936.1N/1314855.0E | 308ft | - / - | Under horizontal SFC |
| RJOW5 | Tree | 343929.9N/1314850.4E | 319ft | - / - | Under horizontal SFC |
| RJOW6 | Tree | 343929.2N/1314849.6E | 315ft | - / - | Under horizontal SFC |
| RJOW7 | Tree | 343940.0N/1314552.7E | 308ft | - / - | Under horizontal SFC |
| RJOW8 | Tree | 343939.9N/1314552.9E | 307ft | - / - | Under horizontal SFC |
| RJOW10 | Pole | 343955.2N/1314634.2E | 309ft | - / - | Under horizontal SFC |

In Area3 To be developed

RJOW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

RJOW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | TRUE BRG | Dimensions of RWY(M) | Strength(PCR) and surface of RWY | THR coordinates THR geoid undulation | THR elevation and highest elevation of TDZ of precision APP RWY |
|------------------------|-------------|--|--------------------------------------|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 11 | 104.78° | 2000×45 | PCR 1115/F/D/X/T Asphalt Concrete | 344043.28N 1314647.11E 108.2ft | THR ELEV : 183.7ft TDZ ELEV : 182.8ft |
| 29 | 284.78° | 2000×45 | PCR 1115/F/D/X/T Asphalt Concrete | 344026.72N 1314803.07E 108.3ft | THR ELEV : 170.6ft |
| Slope of RWY | | Strip Dimensions(M) | RESA (Overrun) Dimensions(M) | | Remarks |
| 7 | | 10 | 11 | | 14 |
| SEE AD2.24 AD chart | | 2120×300 | 190 × (MNM:160 MAX:300)* | | RWY Grooving : 2000m×30m |
| | | 2120×300 | 90 × (MNM:90 MAX:300)* | | |
| | | *For detail, ask airport administrator | | | |

RJOW AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|-------------|-------------|-------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 11 | 2000 | 2000 | 2000 | 2000 | Nil |
| 29 | 2000 | 2000 | 2000 | 2000 | Nil |

RJOW AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT type LEN INTST | RTHL Color WBAR | PAPI (VASIS) Angle DIST FM THR MEHT | RTZL LEN | RCLL LEN Spacing Color INTST | REDL LEN Spacing Color INTST | RENL Color WBAR | STWL LEN Color |
|---|-------------------------------------|-----------------------|--|-------------|---|--|-----------------------|----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 11 | PALS (CAT I) 900m LIH | Green Green | PAPI 3.0°/Left 402.2m 61ft | 900m | 2000m 30m Coded color (White/Red) LIH | 2000m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| 29 | SALS (*1) 420m LIH | Green - | PAPI 3.0°/Left 362.0m 61ft | - | 2000m 30m Coded color (White/Red) LIH | 2000m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| Remarks | | | | | | | | |
| 10 | | | | | | | | |
| SALS with APCH LGT beacon (585m and 852m FM RWY 29 THR) (*1) Overrun area edge LGT(LEN:60m Color:Red)(*2) CGL for RWY 29 | | | | | | | | |

RJOW AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|--|---|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 344049N/1314751E, White/Green EV4.3sec, HO |
| 2 | LDI location and LGT Anemometer location and LGT | LDI : Nil Anemometer : RWY 11 : 349m FM RWY 11 THR, LGTD RWY 29 : 328m FM RWY 29 THR, LGTD |
| 3 | TWY edge and center line lighting | TWY edge and center line lights installed, see AD 2.9 |
| 4 | Secondary power supply / switch-over time | Within 1sec : REDL, RTHL, RENL, WBAR, RCLL, Overrun area edge LGT, Turning point indicator LGT Within 15sec : Other LGT |
| 5 | Remarks | WDI LGT |

RJOW AD 2.16 HELICOPTER LANDING AREA

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

RJOW 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 |
| Iwami Information Zone | Area within a radius of 5nm(9km)of Iwami ARP | 3,000 | E | Iwami Radio En | |

RJOW AD 2.18 ATS COMMUNICATION FACILITIES

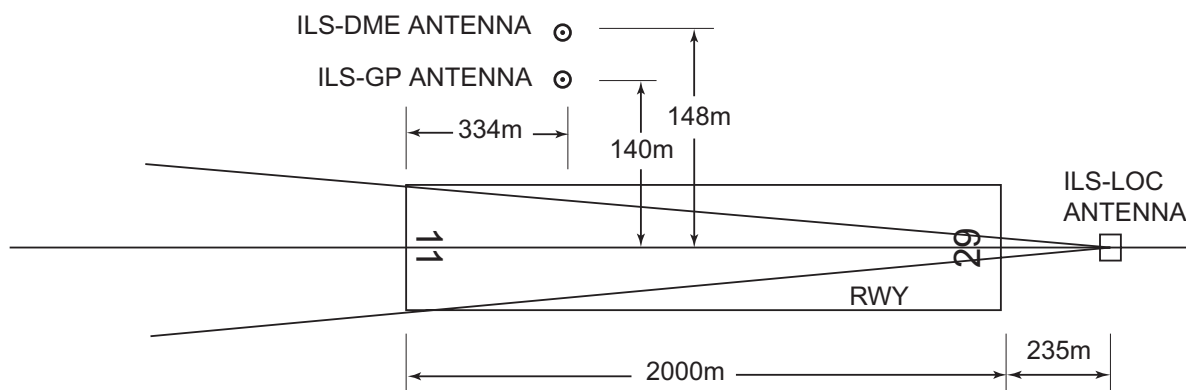
| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|-------------|-----------|--------------------|-----------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| AFIS | Iwami Radio | 122.2MHz | 2300 - 1030 | Operated by Osaka Airport Office. |

RJOW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

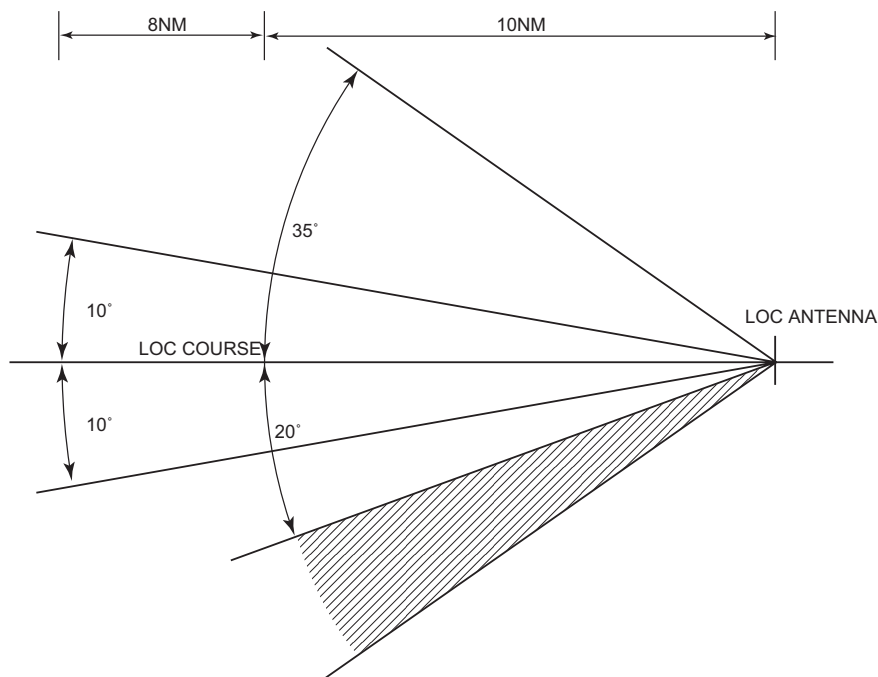
| Type of aid (VOR declination) | ID | Frequency | Hours of operation | Position of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks |
|----------------------------------|-----|----------------------|--------------------|--|---------------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| VOR (8°W/2021) | IME | 115.05MHz | 2300-1030 | 344034.48N 1314647.57E | | VOR Unusable : 230°-250° beyond 20nm BLW 4000ft. |
| DME | IME | 1058 MHz (CH-97Y) | 2300-1030 | 344034.48N 1314647.57E | 231ft | DME Unusable : 210°-220° beyond 20nm BLW 6000ft. 230°-250° beyond 20nm BLW 4000ft. |
| ILS-LOC 11 | IWA | 108.1MHz | 2300-1030 | 344024.80N 1314812.02E | | LOC : 235m (771ft) away FM RWY 29 THR, BRG (MAG) 113° LOC unusable : beyond 20° south(150Hz) side of LOC course. |
| ILS-GP 11 | - | 334.7MHz | 2300-1030 | 344044.97N 1314700.91E | | GP : 334m (1096ft) inside FM RWY 11 THR, 140m (459ft) N of RCL. HGT of ILS Ref datum 16.5m (54ft) GP angle 3.0. GP unusable : beyond 5° north(90Hz) side of LOC course. |
| ILS-DME 11 | IWA | 979 MHz (CH-18X) | 2300-1030 | 344045.17N 1314701.26E | 194ft | DME : 334m (1096ft) inside FM RWY 11 THR, 148m (486ft) N of RCL. |
| MSAS | | 1575.42MHz | H24 | | | Transmitting antennas are satellite based. |

ILS

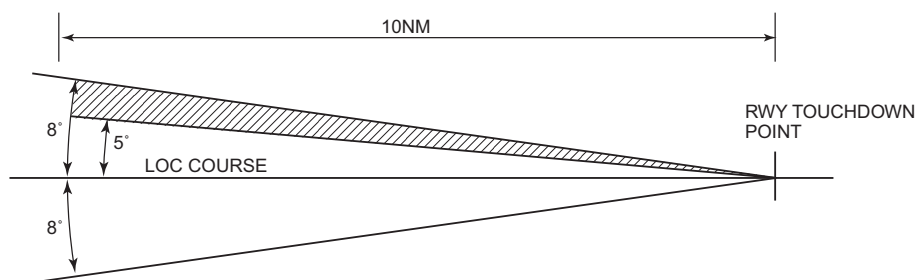
IWAMI AP



REMARKS : 1. LOC beam BRG(MAG) 113°
 2. GP angle 3.0°
 3. HGT of ILS REF datum 16.5m(54ft)
 4. ELEV of ILS-DME 59.2m(194ft)



LOC unusable : Beyond 20° south (150Hz) side of LOC course.



GP unusable : Beyond 5° north (90Hz) side of LOC course.

RJOW AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

On use of Iwami airport, aircraft operator is required to notify Shimane Pref in advance.

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

RJOW AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

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

| | RWY | REDL & RCLL | | REDL or RCLL or RCL Marking | | NIL (DAY ONLY) | |
|--|-----|-----------------|------|--------------------------------|------|-------------------|------|
| | | RVR | VIS | RVR | VIS | RVR | VIS |
| Multi-Engine ACFT with TKOF ALTN AP Filed | 11 | 400m | 400m | 400m | 400m | - | 500m |
| | 29 | - | 400m | - | 400m | - | 500m |
| OTHER | 11 | AVBL LDG MINIMA | | | | | |
| | 29 | | | | | | |

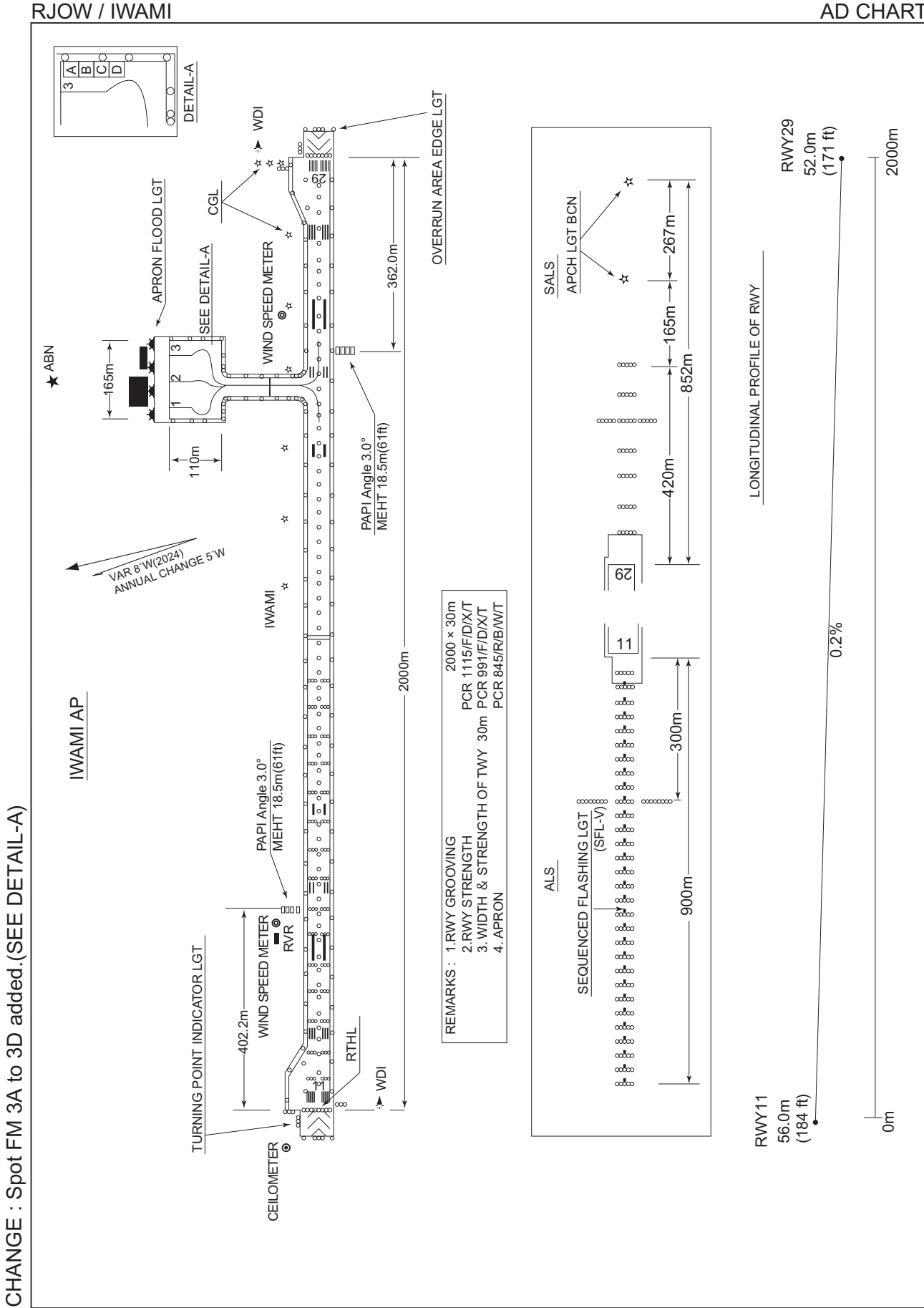
RJOW AD 2.23 ADDITIONAL INFORMATION

Ask AD administration

RJOW AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (SAMBA)
Standard Departure Chart - Instrument (RNAV TRANSITION)
Standard Departure Chart - Instrument (SEKISYU-RNAV)
Standard Arrival Chart - Instrument (SAMBA-RNAV)
Instrument Approach Chart (ILS or LOC RWY11)
Instrument Approach Chart (VOR RWY11)
Instrument Approach Chart (VOR A)
Instrument Approach Chart (RNP RWY11(AR))
Instrument Approach Chart (RNP RWY29(AR))
Other Chart (Visual REP)
Other Chart(LDG CHART)
Other Chart(MVA CHART)

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STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

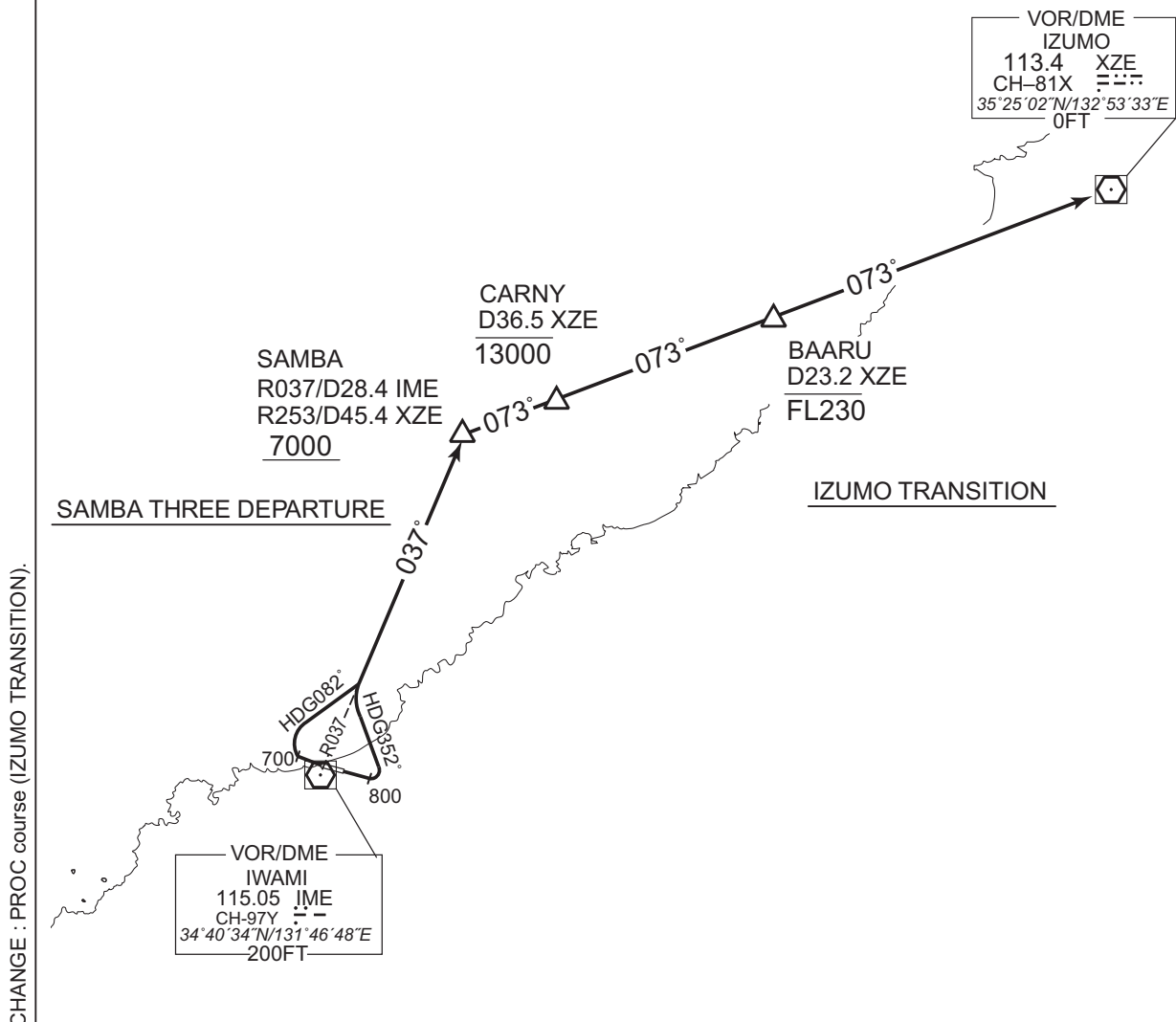
SAMBA THREE DEPARTURE

RWY11 : Climb RWY HDG to 800FT, turn left HDG352°,...
RWY29 : Climb RWY HDG to 700FT, turn right HDG082°,...
...to intercept and proceed via IME R037 to SAMBA.
Cross SAMBA at or above 7000FT.

Note RWY11 : 5.7% climb gradient required up to 1700FT.
OBST ALT 1322FT located at 4.8NM 094° FM end of RWY11.

IZUMO TRANSITION

From over SAMBA, via XZE R253 to XZE VOR/DME.
Cross CARNY at or below 13000FT, cross BAARU at or below FL230.



STANDARD DEPARTURE CHART-INSTRUMENT

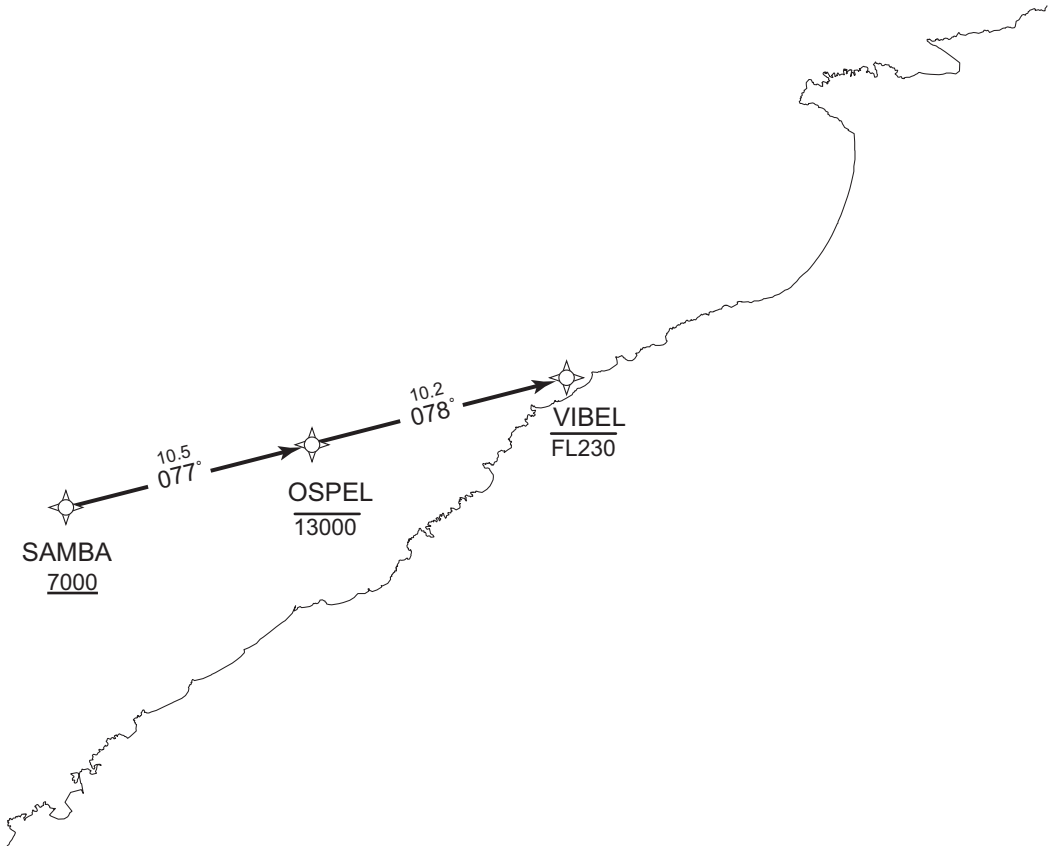
RJOW / IWAMI

RNAV TRANSITION

| VIBEL TRANSITION | RNAV1 |
|------------------|-------|
|------------------|-------|

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8°W



From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

| | |
|-----------------------|--|
| Critical DME | STD : SAMBA – VIBEL |
| DME GAP | – |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1. |

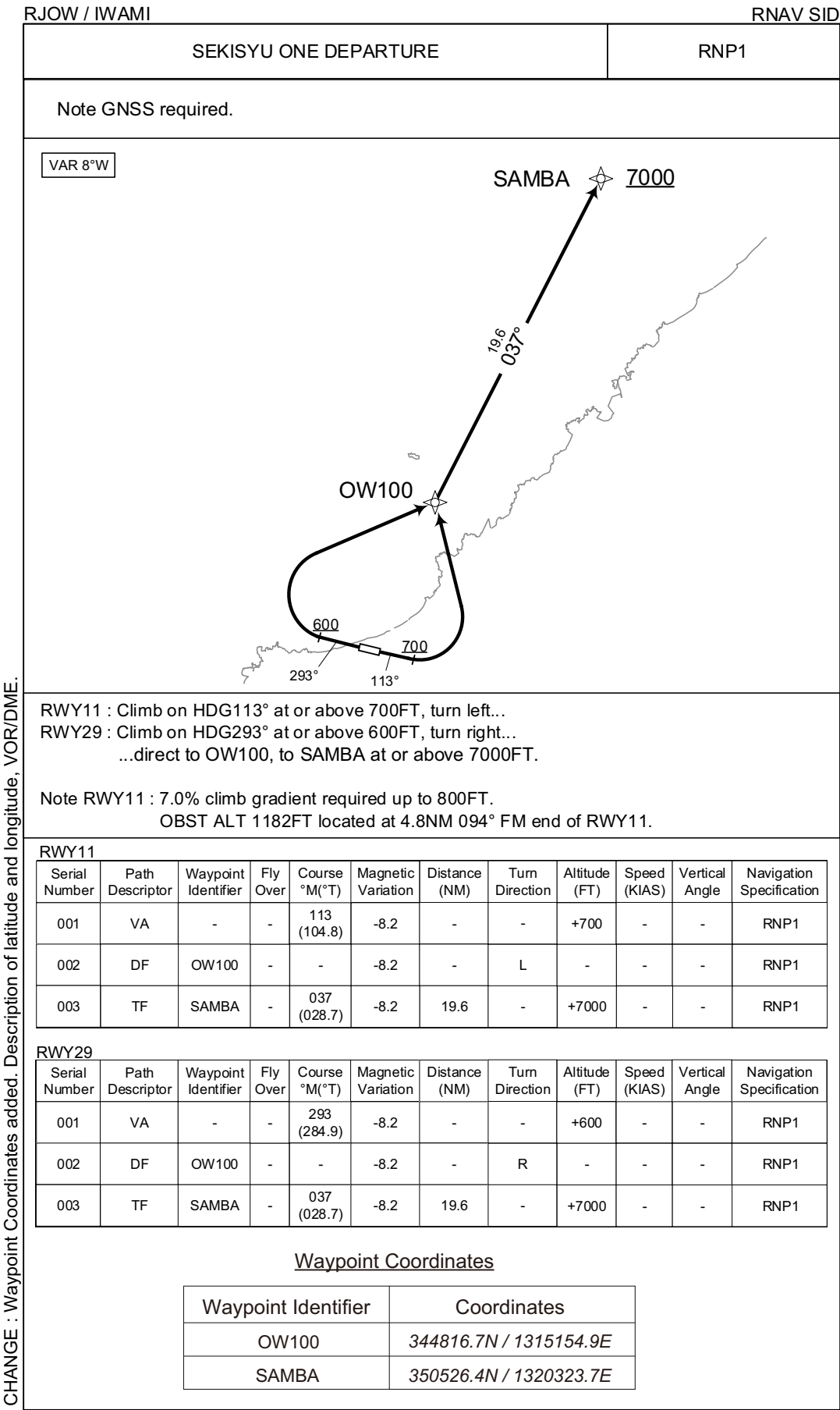
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | SAMBA | – | – | -7.8 | – | – | +7000 | – | – | RNAV1 |
| 002 | TF | OSPEL | – | 077 (069.7) | -7.8 | 10.5 | – | -13000 | – | – | RNAV1 |
| 003 | TF | VIBEL | – | 078 (069.8) | -7.8 | 10.2 | – | -FL230 | – | – | RNAV1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SAMBA | 350526.4N / 1320323.7E |
| OSPEL | 350903.6N / 1321523.9E |
| VIBEL | 351234.2N / 1322706.9E |

CHANGE : Waypoint Coordinate added.

STANDARD DEPARTURE CHART-INSTRUMENT



CHANGE : Waypoint Coordinates added. Description of latitude and longitude, VOR/DME.

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STANDARD ARRIVAL CHART-INSTRUMENT

RJOW / IWAMI

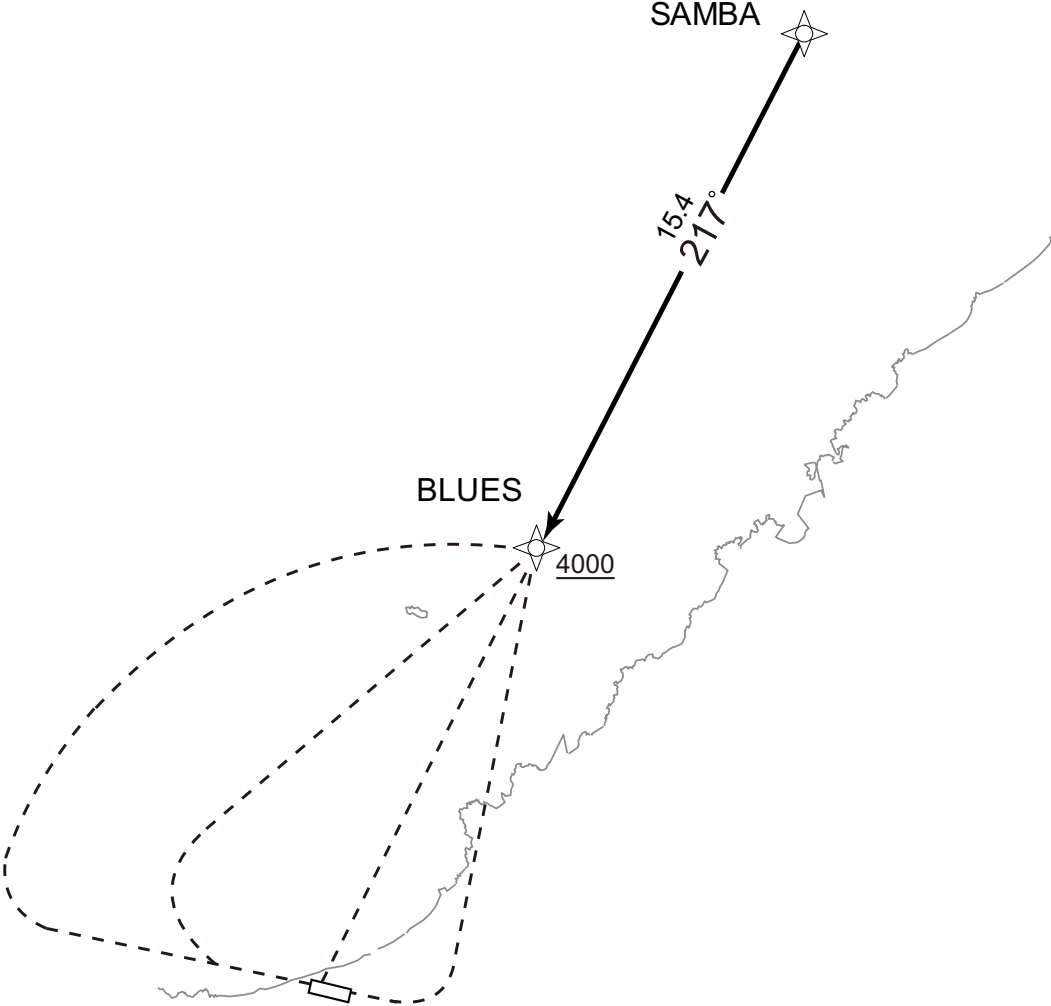
RNAV STAR

SAMBA ARRIVAL

RNP1

Note GNSS required.

VAR 8°W



From SAMBA, to BLUES at or above 4000FT.

| 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 | SAMBA | - | - | -8.2 | - | - | - | - | - | RNP1 |
| 002 | TF | BLUES | - | 217 (208.8) | -8.2 | 15.4 | - | +4000 | - | - | RNP1 |

Waypoint Coordinates

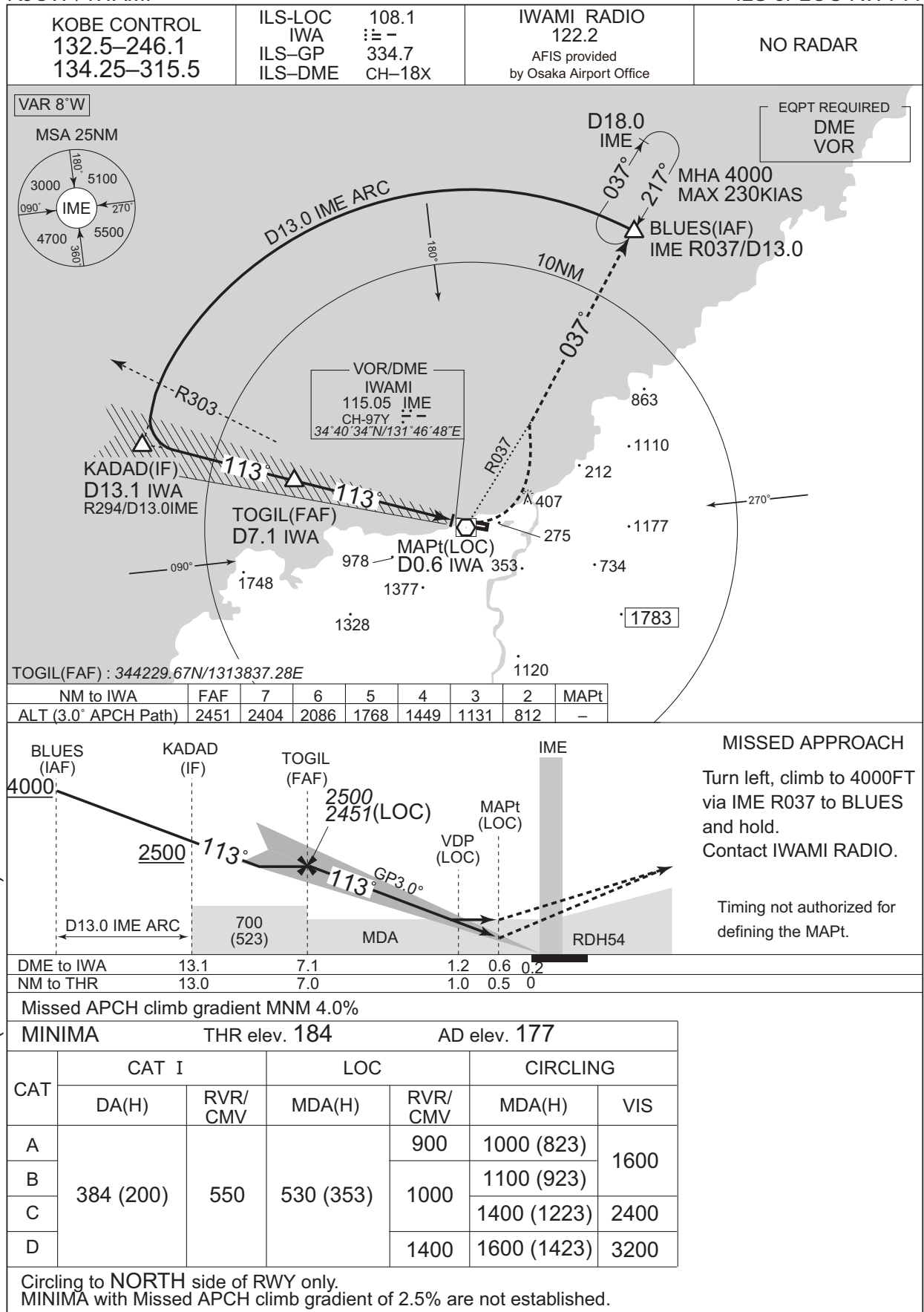
| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SAMBA | 350526.4N / 1320323.7E |
| BLUES | 345159.0N / 1315423.1E |

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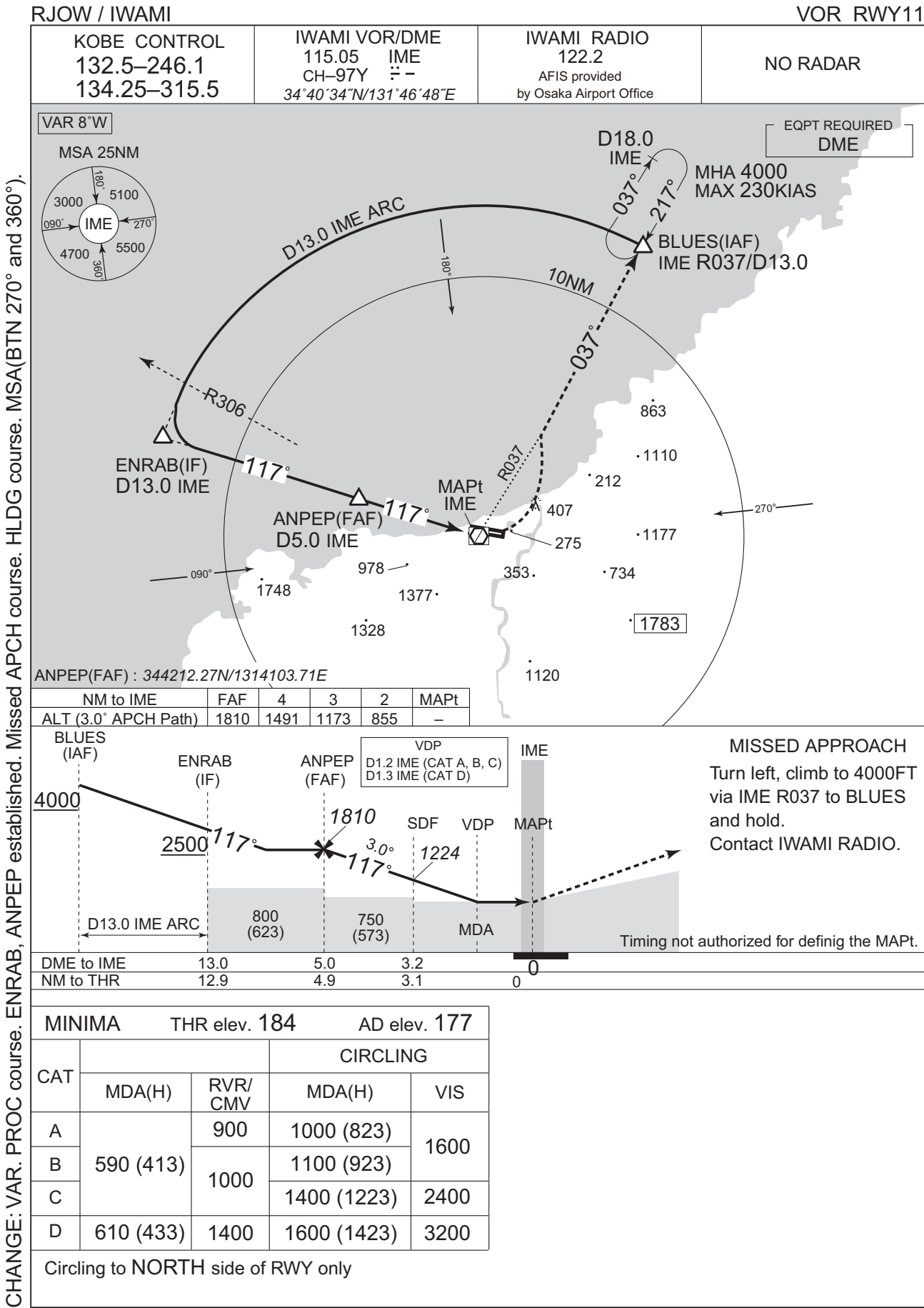
INSTRUMENT APPROACH CHART

RJOW / IWAMI

ILS or LOC RWY11



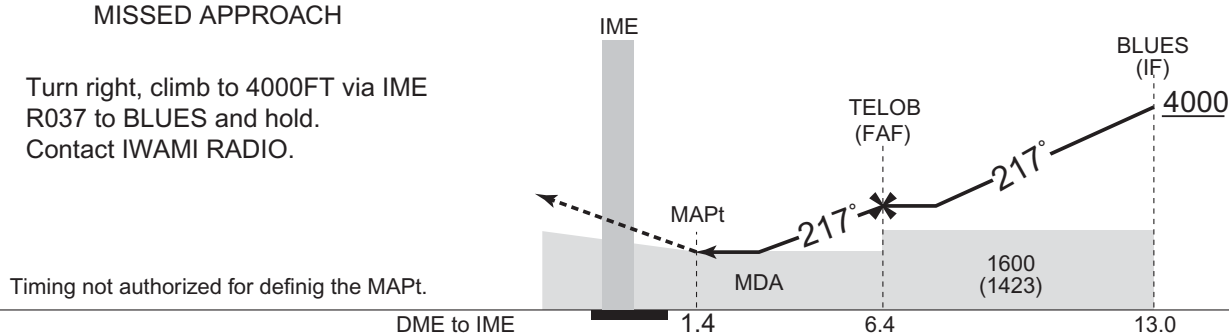
INSTRUMENT APPROACH CHART



CHANGE: VAR. PROC course. TELOB established. Missed APCH course. HLDG course. MSA(BTN 270° and 360°).

VOR A

Turn right, climb to 4000FT via IME
R037 to BLUES and hold.
Contact IWAMI RADIO.



| MINIMA | | AD elev. 177 |
|--------|-------------|--------------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 1000 (823) | 1600 |
| B | 1100 (923) | |
| C | 1400 (1223) | 2400 |
| D | 1600 (1423) | 3200 |

Circling to NORTH side of RWY only

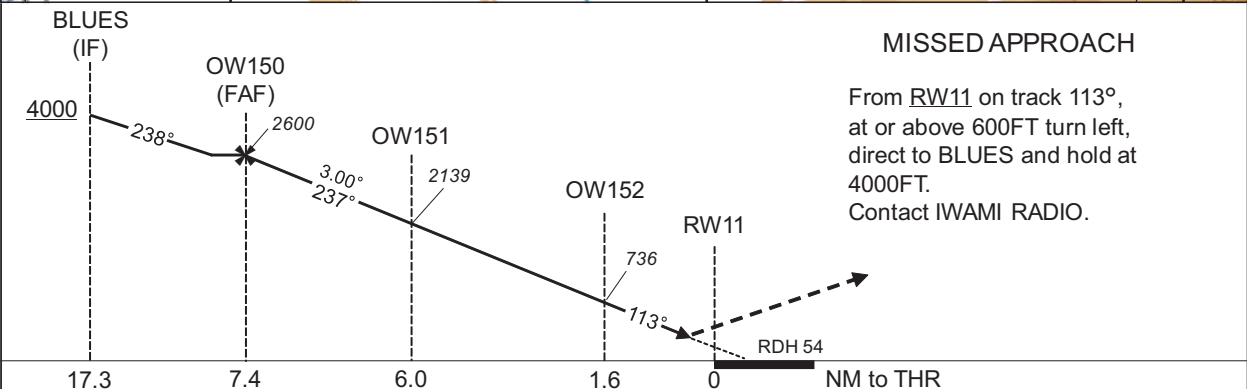
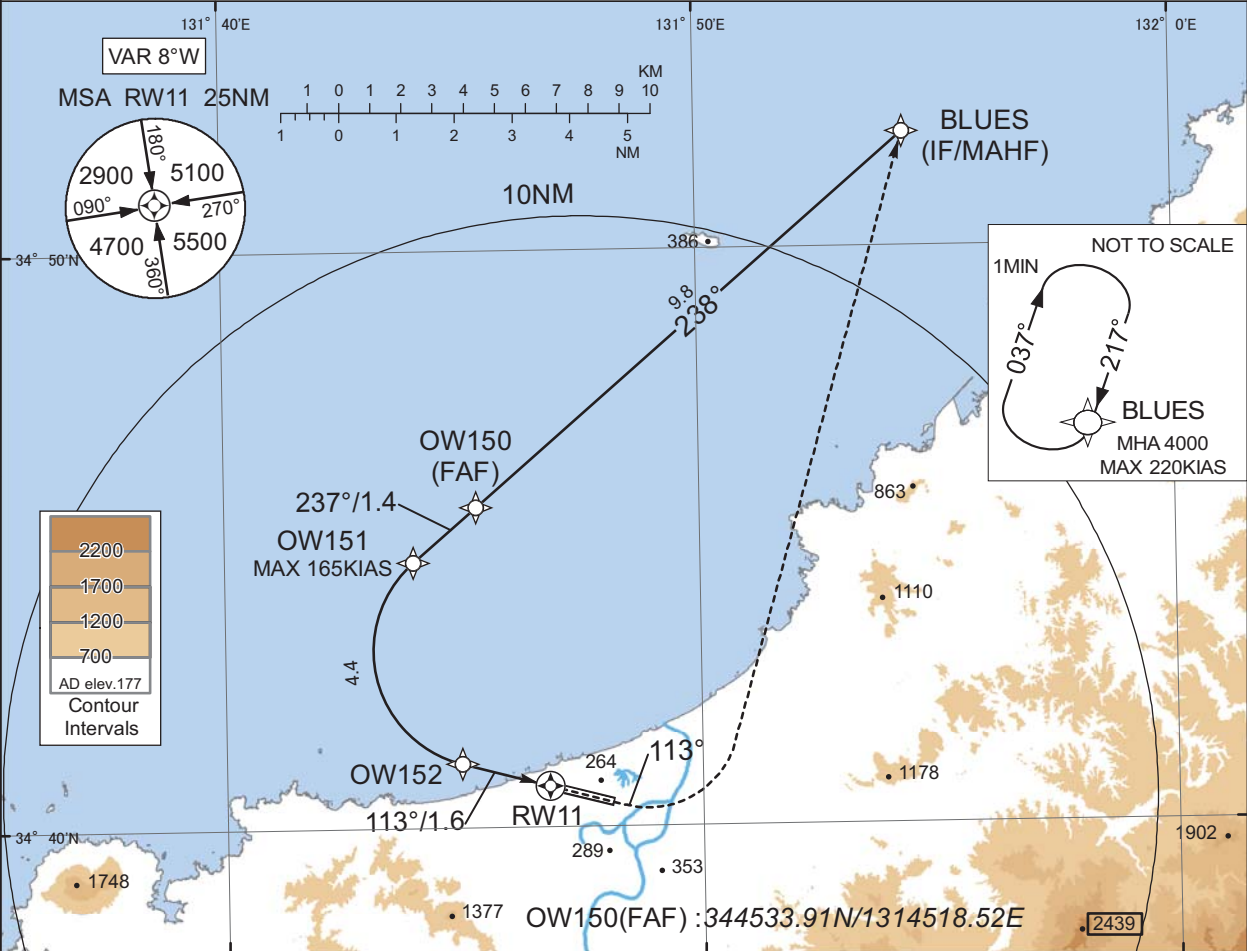
INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

| | | | |
|---|------------------------|--|----------|
| KOBE CONTROL 132.5 - 246.1 134.25 - 315.5 | RNP AR RF required. | IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office | NO RADAR |
|---|------------------------|--|----------|

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



| | | |
|-------------------------------------|---------------|--------------|
| Missed APCH climb gradient MNM 5.0% | | |
| MINIMA | THR elev. 184 | AD elev. 177 |
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | - | - |
| C | 484(300) | 1000 |
| D | - | - |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Authorization Required

CHANGE : HLDG pattern for Using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(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 | BLUES | - | - | -8.2 | - | - | +4000 | - | - | 1.0 |
| 002 | TF | OW150 | - | 238 (229.3) | -8.2 | 9.8 | - | 2600 | - | - | 1.0 |
| 003 | TF | OW151 | - | 237 (229.2) | -8.2 | 1.4 | - | 2139 | -165 | -3.00 | 0.3 |
| 004 | RF Center: OWRF1 r=2.03NM | OW152 | - | - | -8.2 | 4.4 | L | 736 | - | -3.00 | 0.3 |
| 005 | TF | RW11 | Y | 113 (104.8) | -8.2 | 1.6 | - | 238 | - | -3.00/54 | 0.3 |
| 006 | FA | - | - | 113 (104.8) | -8.2 | - | - | +600 | - | - | 1.0 |
| 007 | DF | BLUES | - | - | -8.2 | - | L | 4000 | - | - | 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 | BLUES | 217 (208.7) | -8.2 | 1.0 (-13000) | R | 4000 | 13000 | -220 (-13000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| BLUES | 345159.02N / 1315423.09E | OWRF1 | 344304.90N / 1314534.53E |
| OW150 | 344533.91N / 1314518.52E | | |
| OW151 | 344437.18N / 1314358.51E | | |
| OW152 | 344107.26N / 1314456.99E | | |
| RW11 | 344043.28N / 1314647.11E | | |

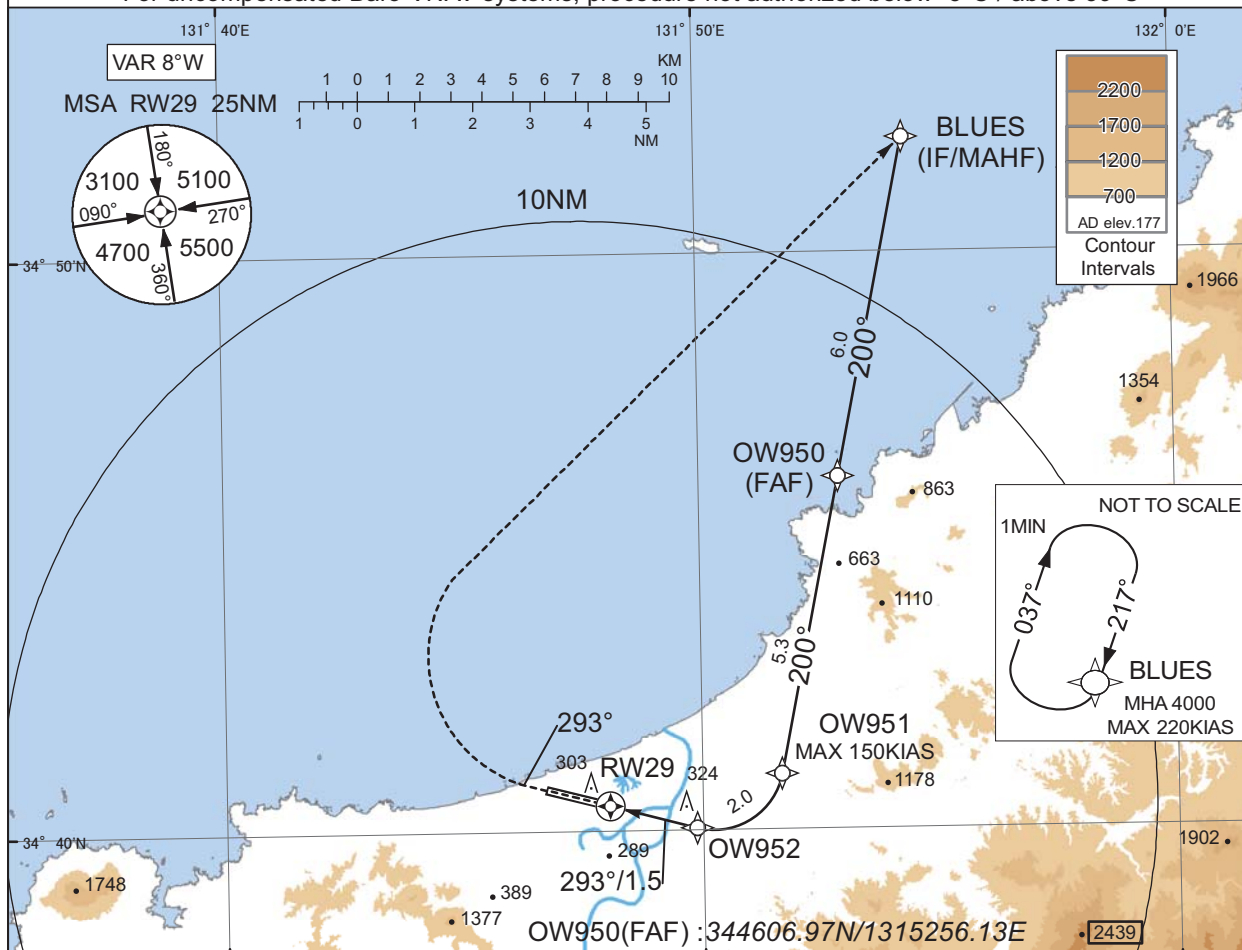
CHANGE : VAR. Course FM BLUES to OW150. RNAV HLDG established.

RJOW / IWAMI

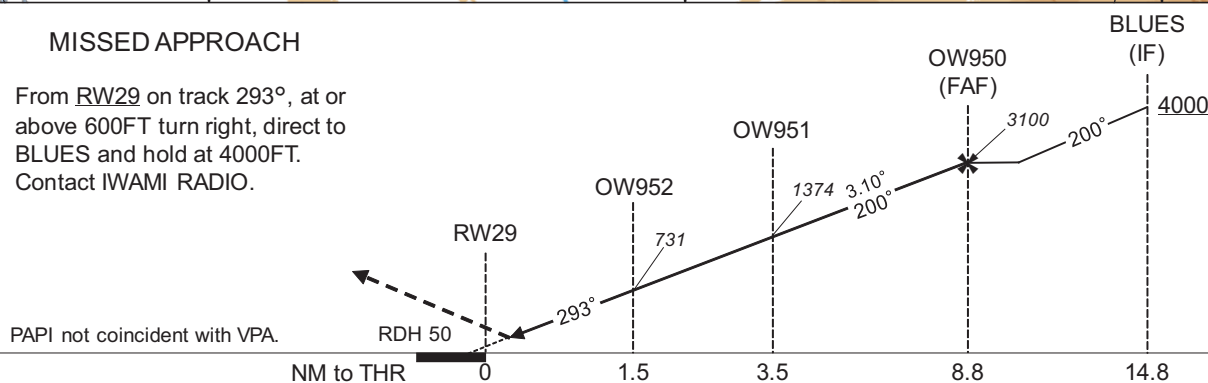
RNP RWY29(AR)

| | | | |
|---|------------------------|--|----------|
| KOBE CONTROL 132.5 - 246.1 134.25 - 315.5 | RNP AR RF required. | IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office | NO RADAR |
|---|------------------------|--|----------|

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 39°C



From RW29 on track 293°, at or above 600FT turn right, direct to BLUES and hold at 4000FT.
Contact IWAMI RADIO.



Missed APCH climb gradient MNM 4.0%

| MINIMA | | THR elev. 171 | AD elev. 177 | |
|--------|----------|---------------|--------------|------|
| CAT | RNP 0.16 | | RNP 0.30 | |
| | DA(H) | CMV | DA(H) | CMV |
| A | - | - | - | - |
| B | | | - | - |
| C | 471(300) | 1400 | 489(318) | 1400 |
| D | - | - | - | - |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Authorization Required

CHANGE : HLDG pattern for Using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(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 | BLUES | - | - | -8.2 | - | - | +4000 | - | - | 1.0 |
| 002 | TF | OW950 | - | 200 (191.5) | -8.2 | 6.0 | - | 3100 | - | - | 1.0 |
| 003 | TF | OW951 | - | 200 (191.5) | -8.2 | 5.3 | - | 1374 | -150 | -3.10 | 0.16 0.30 |
| 004 | RF Center: OWRF2 r=1.20NM | OW952 | - | - | -8.2 | 2.0 | R | 731 | - | -3.10 | 0.16 0.30 |
| 005 | TF | RW29 | Y | 293 (284.9) | -8.2 | 1.5 | - | 221 | - | -3.10/50 | 0.16 0.30 |
| 006 | FA | - | - | 293 (284.9) | -8.2 | - | - | +600 | - | - | 1.0 |
| 007 | DF | BLUES | - | - | -8.2 | - | R | 4000 | - | - | 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 | BLUES | 217 (208.7) | -8.2 | 1.0 (-13000) | R | 4000 | 13000 | -220 (-13000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| BLUES | 345159.02N / 1315423.09E | OWRF2 | 344112.62N / 1315014.52E |
| OW950 | 344606.97N / 1315256.13E | | |
| OW951 | 344058.27N / 1315140.08E | | |
| OW952 | 344002.90N / 1314952.21E | | |
| RW29 | 344026.72N / 1314803.07E | | |

CHANGE : VAR. PROC course. RNAV HLDG established.

RJOW / IWAMI

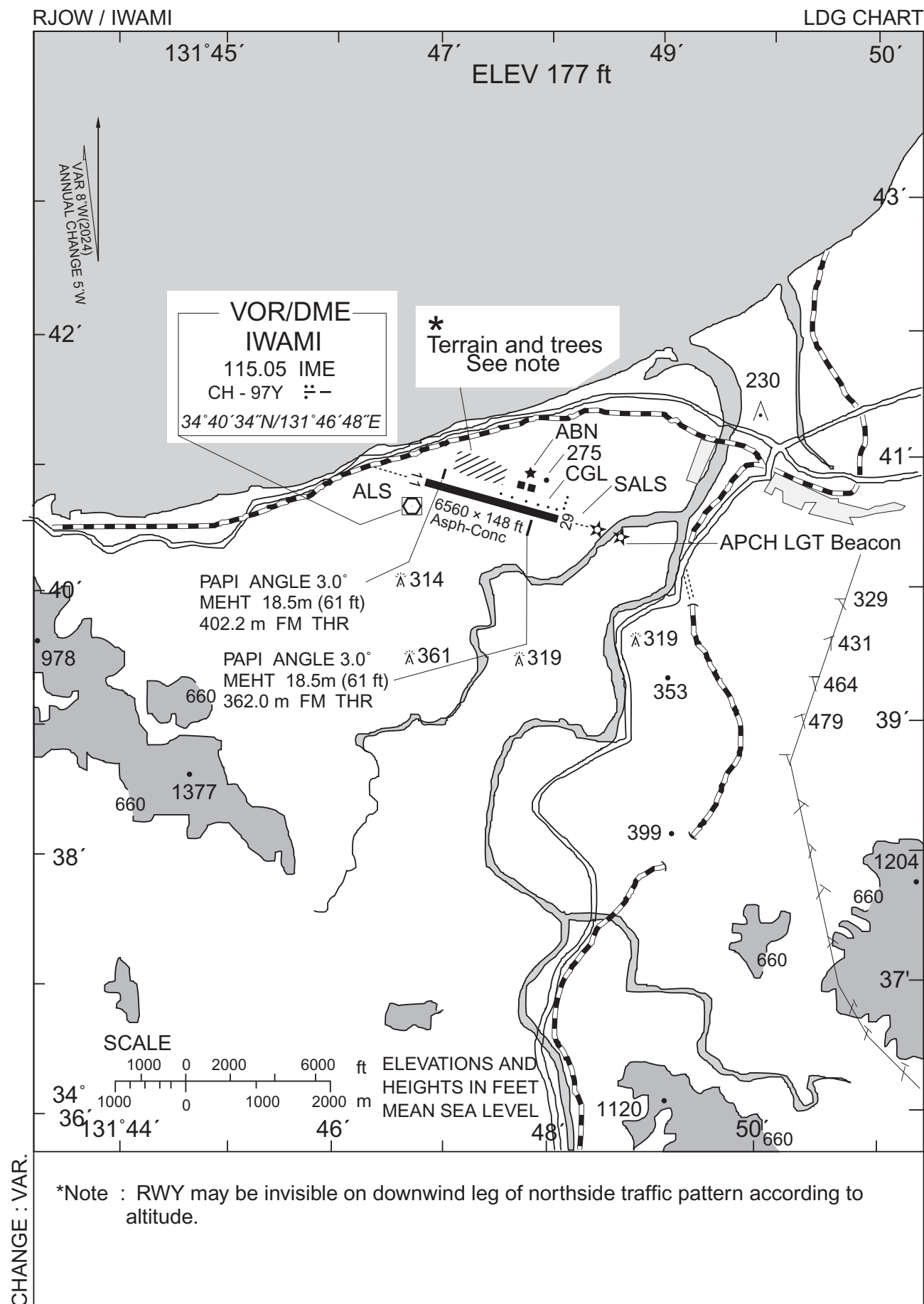
Visual REP



※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).

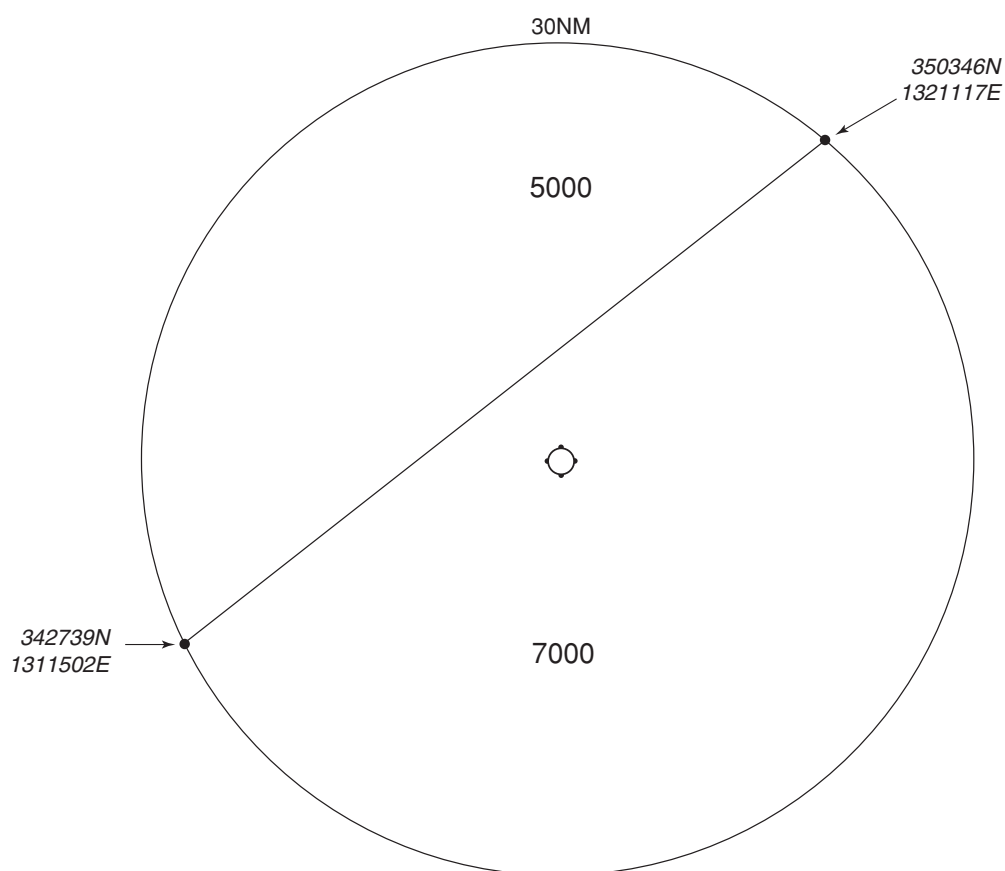
CHANGE : VAR.

| Call sign | BRG / DIST from ARP | Remarks |
|-----------------|---------------------|--------------|
| 魚待 Uomachi | 038°T / 6.0NM | 岬 Cape |
| 高山 Takayama | 266°T / 8.8NM | 岬 Cape |
| 日原 Nichihara | 166°T / 8.9NM | 駅 Station |



RJOW / IWAMI

Minimum Vectoring Altitude CHART



CENTER : 344035N/1314725E (ARP)