

AD 2 AERODROMES

RJOH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJOH - MIHO

RJOH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|--|---|
| 1 | ARP coordinates and site at AD | 352936N/1331421E |
| 2 | Direction and distance from (city) | 7.5nm NW YONAGO |
| 3 | Elevation/ Reference temperature | 13ft / - |
| 4 | Geoid undulation at AD ELEV PSN | Nil |
| 5 | MAG VAR/ Annual change | Nil |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Japan Air Self Defense Force. PUBLIC AD. |
| 7 | Types of traffic permitted(IFR/ VFR) | IFR/VFR |
| 8 | Remarks | Miho Airport Office(CAB) 2064-Sainokami-cho, Sakaiminato-city, Tottori, 684-0055 Japan Tel: 0859(45)6114, Fax: 0859(47)2050 |

RJOH AD 2.3 OPERATIONAL HOURS

| | | |
|----|---------------------------|---|
| 1 | AD Administration | H24 |
| 2 | Customs and immigration | INTL SKED FLT hours only |
| 3 | Health and sanitation | INTL SKED FLT hours only |
| 4 | AIS Briefing Office | H24(CAB:Nil) |
| 5 | ATS Reporting Office(ARO) | Nil |
| 6 | MET Briefing Office | H24(KANSAI) |
| 7 | ATS | H24 |
| 8 | Fuelling | 2200-1300 |
| 9 | Handling | 2200-1300 |
| 10 | Security | Scheduled flight only |
| 11 | De-icing | Nil |
| 12 | Remarks | HR of service at CAB OPS section 2200 - 1300(Daily) |

RJOH AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|---|
| 1 | Cargo-handling facilities | Deal with the weight thing to a Boeing 767-300 type |
| 2 | Fuel/ oil types | Fuel Grades : (CIV)JET A-1, (JSDF) JP-4, JP-4A |
| 3 | Fuelling facilities/ capacity | Fuel truck refueling(CIV) |
| 4 | De-icing facilities | Nil |
| 5 | Hangar space for visiting aircraft | Nil |
| 6 | Repair facilities for visiting aircraft | Nil |
| 7 | Remarks | Nil |

RJOH AD 2.5 PASSENGER FACILITIES

| | | |
|---|----------------------|---------------------------|
| 1 | Hotels | Nil |
| 2 | Restaurants | AVBL |
| 3 | Transportation | Railways, Buses and Taxis |
| 4 | Medical facilities | Nil |
| 5 | Bank and Post Office | Nil |
| 6 | Tourist Office | Information desk |
| 7 | Remarks | Nil |

RJOH AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|--------------------|
| 1 | AD category for fire fighting | To be issued later |
| 2 | Rescue equipment | To be issued later |
| 3 | Capability for removal of disabled aircraft | To be issued later |
| 4 | Remarks | Nil |

RJOH AD 2.7 SEASONAL AVAILABILITY-CLEARING

| | | |
|---|-----------------------------|--|
| 1 | Types of clearing equipment | Snow remove equipments (JSDF):To be issued later *(CAB): Sprinkler equipment x 1 , Snow plow X 2, Tractor shovel X 1 |
| 2 | Clearance priorities | To be issued later |
| 3 | Remarks | *For B1, B2 TWY and CIVIL APRON |

RJOH AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|-------------------------------------|---|
| 1 | Apron surface and strength | Civil apron : PCN55/R/B/X/T |
| 2 | Taxiway width, surface and strength | MAIN TWY Width : 23m A1, A5 Width : 28.5m A2, A3, A4 Width : 34m B1, B2 Width : 34m, PCN62/F/B/X/T |
| 3 | ACL and elevation | Not available |
| 4 | VOR checkpoints | Not available |
| 5 | INS checkpoints | Spot NR 1 352958.57N 1331438.72E 2 352959.40N 1331440.76E 3 353000.23N 1331443.09E 4 353001.25N 1331445.59E 5 353002.09N 1331447.56E |
| 6 | Remarks | Nil |

RJOH 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: RWY 07/25 (Marking) RWY designation, RWY CL, RWY THR, TDZ, RWY side stripe (LGT) REDL, RTHL, RENL, RWY DIST marker LGT TWY: (Marking) TWY side stripe, RWY HLDG PSN, Mandatory instruction(A1-A5 TWY), TWY CL(B1, B2 TWY) (LGT): TWY edge LGT, TWY CL LGT (B1, B2 TWY), Taxiing guidance sign(A1-A5 TWY and B1, B2 TWY) |
| 3 | Stop bars | Nil |
| 4 | Remarks | (Marking) Overrun area (LGT) APN flood LGT |

RJOH AD 2.10 AERODROME OBSTACLES

| RWY/Area affected | Obstacle type | Coordinates | Elevation | Markings/ LGT | Remarks |
|-------------------|---------------|-------------|-----------|---------------|---------|
| Nil | | | | | |

RJOH 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 | KANSAI 30 Hours |
| 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 ₇ , U ₈₅ , 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 | Doppler Radar for Airport Weather (See below figure) |
| 9 | ATS units provided with information | TWR, APP |
| 10 | Additional information (limitation of service, etc.) | Observation is made by the Ministry of Defense. |

Airspace for the advisory service concerning low level wind shear



UPPER LIMIT : 1600ft above FIELD ELEV LEVEL

LOWER LIMIT : FIELD ELEV LEVEL

RJOH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations RWY NR | TRUE BRG | Dimensions of RWY(M) | Strength(PCN) 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 |
| 07 | 063.74° | 2500×45 | PCN 70/F/A/X/T SW 82000kg (180779lbs) DW 89000kg (196211lbs) | Nil | THR ELEV: 9.3ft TDZ ELEV: 10.8ft |
| 25 | 243.74° | 2500×45 | DTW 175000kg (385809lbs) TTTW 217000kg (478403lbs) Asphalt Concrete | Nil | THR ELEV: 20.4ft TDZ ELEV: 20.4ft |
| Slope of RWY | | Strip Dimensions(M) | Remarks | | |
| 7 | | 10 | 12 | | |
| See AD2.24 AD CHART | | 2620×300 2620×300 | RWY Grooving:2500×30m | | |

RJOH AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|-------------|-------------|-------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 07 | 2500 | 2500 | 2500 | 2500 | Nil |
| 25 | 2500 | 2500 | 2500 | 2500 | Nil |

RJOH 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 |
| 07 | SALS (*1) 420m | | PAPI 3.0°/LEFT 422m 65.6ft | Nil | Nil | | | Nil (*2) |
| 25 | PALS (CAT I) 900m | | PAPI 3.0°/LEFT 419m 66.0ft | Nil | Nil | | | Nil (*2) |
| Remarks | | | | | | | | |
| 10 | | | | | | | | |
| SALS with APCH LGT beacon(600m and 900m FM RWY 07 THR)(*1) Overrun area edge LGT(LEN:60M, Color:Red)(*2) CGL for RWY 07 | | | | | | | | |

RJOH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|--|---|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 352959N/1331354E, White/Green EV10sec, HO |
| 2 | LDI location and LGT Anemometer location and LGT | Nil |
| 3 | TWY edge and center line lighting | TWY edge LGT: Blue(B1, B2 TWY) TWY CL LGT: Green(B1, B2 TWY) |
| 4 | Secondary power supply/ switch-over time | 10 sec :TWY edge LGT(B1, B2 TWY), TWY CL LGT(B1, B2 TWY) |
| 5 | Remarks | WDI LGT, OBST LGT |

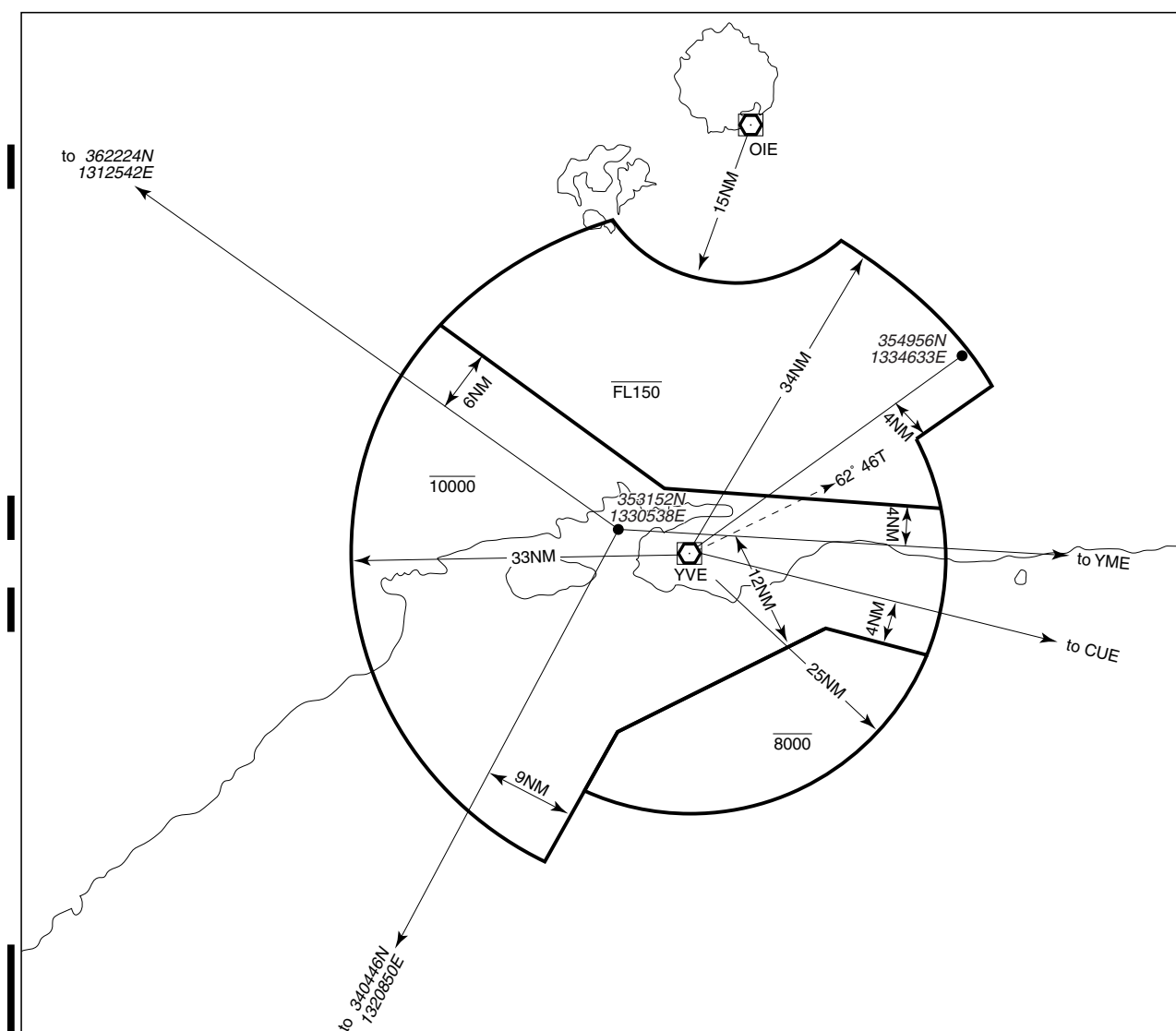
RJOH AD 2.16 HELICOPTER LANDING AREA

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

RJOH 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 |
| MIHO CTR | Area within radius of 5nm of MIHO ARP(35°30'N133°14'E) | 3500 or below | D | MIHO TOWER En | |
| MIHO ACA | See below figure | | | | |

美保進入管制区
Miho Approach Control Area

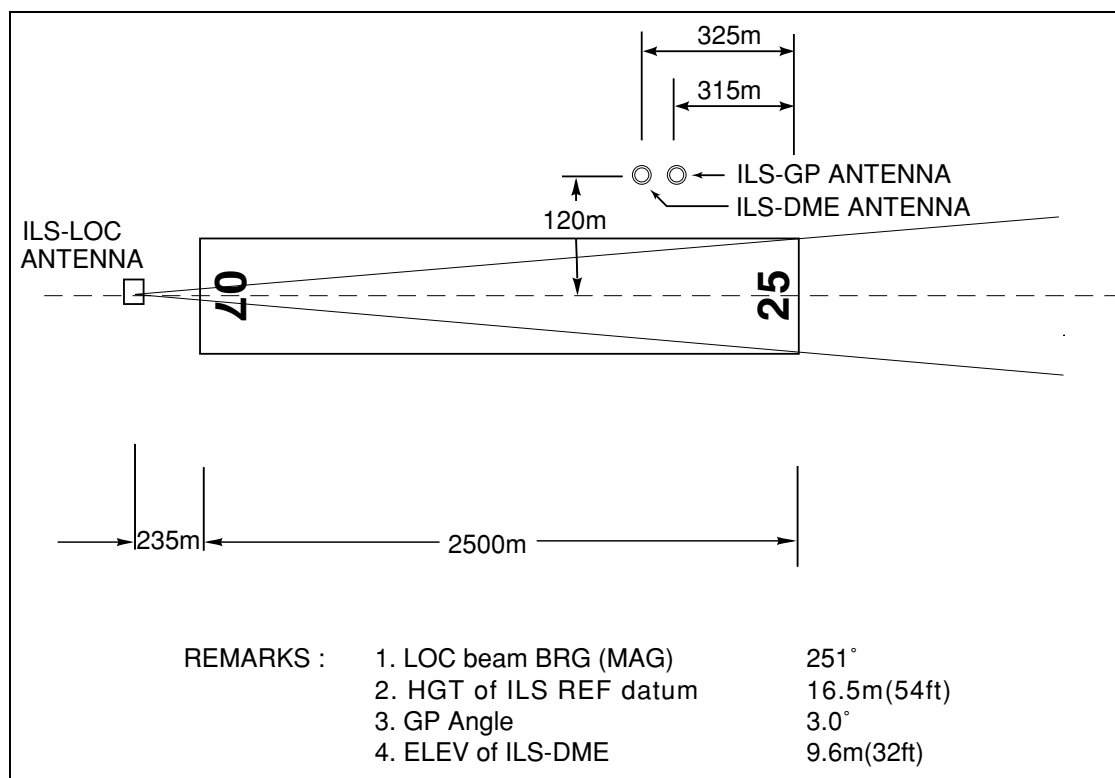


RJOH AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|------------------------------|--|--|---|
| 1 | 2 | 3 | 4 | 5 |
| APP/ASR | Miho Approach/ Miho Radar | 120.1MHz 125.4MHz 258.2MHz 317.8MHz 121.5MHz(E) 243.0MHz(E) | H24 | ASR SERVICE 2200-1200 Other time 1HR PN |
| DEP | Miho Departure | 120.1MHz 125.4MHz 258.2MHz 317.8MHz 121.5MHz(E) 243.0MHz(E) | 2200 - 1200 Other time 1HR PN | |
| TWR | Miho Tower | 236.8MHz 126.2MHz 302.4MHz 247.0MHz(1)(2) 123.1MHz(1)(2) 118.0MHz 243.0MHz(E) 121.5MHz(E) | H24 | (1) For Rescue only. (2) AVBL on request. |
| GND | Miho Ground | 275.8MHz 118.0MHz | H24 | |
| MET | Miho Metro | 344.6MHz | 2030 - 1130 DLY except 2030 FRI - 1130 SAT, 2030 SAT - 1130 SUN, and HOL | Pilot forecaster SER(MIL) |
| GCA-ASR PAR | Miho Radar | 335.6MHz 270.8MHz 134.1MHz 125.3MHz 228.2MHz 250.4MHz 289.4MHz 316.0MHz 141.8MHz 243.0MHz(E) 121.5MHz(E) | 2200 - 1200 Other time 1HR PN | ASR RWY 07/25 PAR RWY 07/25 Glide path 3.0° |

RJOH 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 |
| TACAN | JET | 1201MHz (CH-114X) | H24 | 353151.77N/ 1330538.72E | 1696ft | TACAN AZM unusable 010° BTN 10nm and 20nm BLW 12000ft. 167° BTN 10nm and 20nm BLW 12000ft. |
| VOR (7°W / 2009) | YVE | 114.1MHz | H24 | 352936.37N/ 1331357.10E | | |
| DME | YVE | 1175MHz (CH-88X) | H24 | 352936.37N/ 1331357.10E | 39ft | |
| ILS-LOC 25 | IYV | 108.95MHz | 2200 - 1300 | 352915.00N/ 1331328.21E | | LOC: 235m away FM RWY 07 THR, BRG (MAG) 251°. |
| ILS-GP 25 | - | 329.15MHz | 2200 - 1300 | 352952.93N/ 1331452.43E | | GP:315m(1033ft) inside FM RWY 25 THR. 120m(394ft) N of RCL HGT of ILS Ref Datum 16.5m(54ft). Angle 3.0° |
| ILS-DME 25 | IYV | 1113MHz (CH-26Y) | 2200 - 1300 | 352952.79N/ 1331452.07E | 32ft | DME:325m(1066ft) inside FM RWY 25 THR. 120m(394ft) N of RCL. |
| MSAS | | 1575.42MHz | H24 | | | Transmitting antennas are satellite based. |



RJOH AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Civil transient aircraft:

- 1) PPR to CAB Miho Airport Office(0859-45-6114) for parking.
- 2) 2weeks PPR to 3rd Tactical Air Lift Wing Defense Division(0859-45-0211 EXT 232 or 236) for landing.
MON - FRI 2300-0800(except holiday)

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

RJOH AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJOH AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

| | RWY | ACFT CAT | REDL & RCLL | | REDL or RCLL or RCL Marking | | NIL (DAYTIME ONLY) | |
|--|-----|-------------|-----------------|-----|--------------------------------|------|-----------------------|------|
| | | | RVR | VIS | RVR | VIS | RVR | VIS |
| Multi-Engine ACFT with TKOF ALTN AP FILED | 07 | A,B,C,D | - | - | 400m | 400m | - | 500m |
| | 25 | A,B,C,D | | | | | | |
| OTHER | 07 | A,B,C,D | AVBL LDG MINIMA | | | | | |
| | 25 | A,B,C,D | | | | | | |

2. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

PAR RWY 07

| MINIMA | | THR ELEV:9 | | AD ELEV: 13 | |
|--------|----------|-------------|----------|-------------|------|
| CAT | | | CIRCLING | | |
| | DA(H) | RVR/ CMV | MDA(H) | VIS | |
| A | 211(202) | 750 | 460(447) | 1600 | |
| B | | | 470(457) | | |
| C | | | | | 2400 |
| D | | | 570(557) | | 3200 |

PAR RWY 25

| MINIMA | | THR ELEV:20 | | AD ELEV: 13 | |
|--------|----------|-------------|----------|-------------|------|
| CAT | | | CIRCLING | | |
| | DA(H) | RVR/ CMV | MDA(H) | VIS | |
| A | 220(200) | 750 | 460(447) | 1600 | |
| B | | | 470(457) | | |
| C | | | | 2400 | |
| D | | | 570(557) | | 3200 |

ASR RWY 07

| MINIMA | | THR ELEV:9 | AD ELEV: 13 | |
|--------|----------|-------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 380(367) | 1200 | 460(447) | 1600 |
| B | | 1300 | 470(457) | |
| C | | 1400 | | 2400 |
| D | | 1600 | 570(557) | 3200 |

ASR RWY 25

| MINIMA | | THR ELEV:20 | | AD ELEV: 13 | |
|--------|----------|-------------|----------|-------------|------|
| CAT | | | CIRCLING | | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS | |
| A | 460(447) | 900 | 460(447) | 1600 | |
| B | | 1000 | 470(457) | | |
| C | | | | | 2400 |
| D | | 1400 | 570(557) | 3200 | |

3. Lost communication procedures for arrival aircraft under radar navigational guidance

If radio communications with Miho Radar/GCA are lost for 1 minute or 5 seconds(PAR)/ 15 seconds(ASR) on final approach, squawk Mode A/3 Code 7600 and;

- (I) 1. Contact Miho Tower.
 2. If unable, proceed in accordance with Visual Flight Rules.
 3. If unable, proceed to YVE VOR/DME at last assigned altitude or 4,000ft whichever is higher, and execute instrument approach
- (II) Procedures other than above will be issued when situation required.

RJOH AD 2.23 ADDITIONAL INFORMATION

Nil

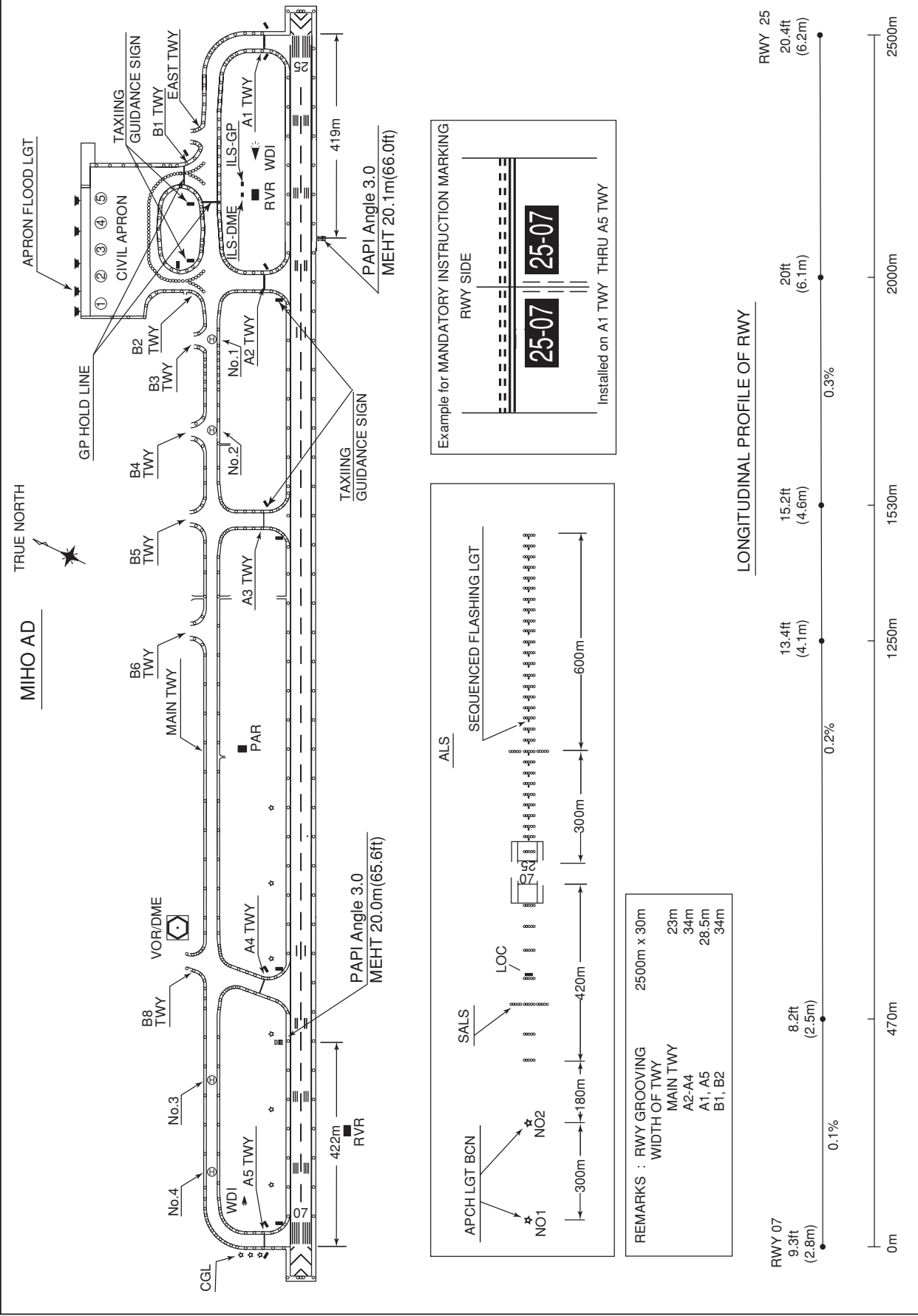
RJOH AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (MIHO)
Standard Departure Chart - Instrument (YONAGO)
Standard Departure Chart - Instrument (INABA)
Standard Departure Chart - Instrument (SOUTH)
Standard Departure Chart - Instrument (DOZEN)
Standard Departure Chart - Instrument (STAGE-RNAV)
Standard Departure Chart - Instrument (USAGI-RNAV)
Standard Departure Chart - Instrument (KITARO-RNAV)
Standard Arrival Chart - Instrument (MIHO)
Standard Arrival Chart - Instrument (OROTI)
Standard Arrival Chart - Instrument (GAINA, KYURI-RNAV)
Instrument Approach Chart (ILS Z or LOC Z RWY25)
Instrument Approach Chart (ILS Y or LOC Y RWY25)
Instrument Approach Chart (ILS X or LOC X RWY25)
Instrument Approach Chart (VOR Z RWY25)
Instrument Approach Chart (VOR Y RWY25)
Instrument Approach Chart (VOR X RWY25)
Instrument Approach Chart (VOR Z RWY07)
Instrument Approach Chart (VOR Y RWY07)
Instrument Approach Chart (VOR X RWY07)
Instrument Approach Chart (TACAN A)
Instrument Approach Chart (RNAV(GNSS) RWY07)
Other Chart (MVA CHART)

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RJOH / MIHO

AD CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID

MIHO REVERSAL FIVE DEPARTURE

RWY 07 : Climb RWY HDG to 900FT, ...

RWY 25 : Climb RWY HDG to 500FT, ...

...turn left HDG026° to intercept and proceed via JET R071 to JET 23.0DME,
turn left direct to JET TACAN.

Cross JET R071/19.0DME at or below 10000FT.

Note RWY25 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1182FT located at 4.33NM 016° FM end of RWY25.

MIHO REVERSAL FIVE DEPARTURE



STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID

YONAGO REVERSAL SIX DEPARTURE

RWY 07 : Climb RWY HDG to 900FT, turn left ...

RWY 25 : Climb RWY HDG to 500FT, turn left HDG015° ...

... to intercept and proceed via YVE R060 to YVE 21.0DME, turn left direct to YVE VOR/DME.

Cross YVE R060/17.0DME at or below 10000FT.

Note RWY25 : 5.0% climb gradient required up to 700FT.

OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

YONAGO REVERSAL SIX DEPARTURE

STANDARD DEPARTURE CHART -INSTRUMENT

RJOH / MIHO

SID and TRANSITION

INABA FOUR DEPARTURE

RWY07 : Climb RWY HDG to 900FT, turn left ...

RWY25 : Climb RWY HDG to 500FT, turn left HDG015° ...

... to intercept and proceed via YVE R060 to INABA.

Cross YVE R060/17.0DME (TRE R292) at or below 10000FT.

Cross INABA at or above 8000FT.

Note RWY25 : 5.0% climb gradient required up to 700FT.

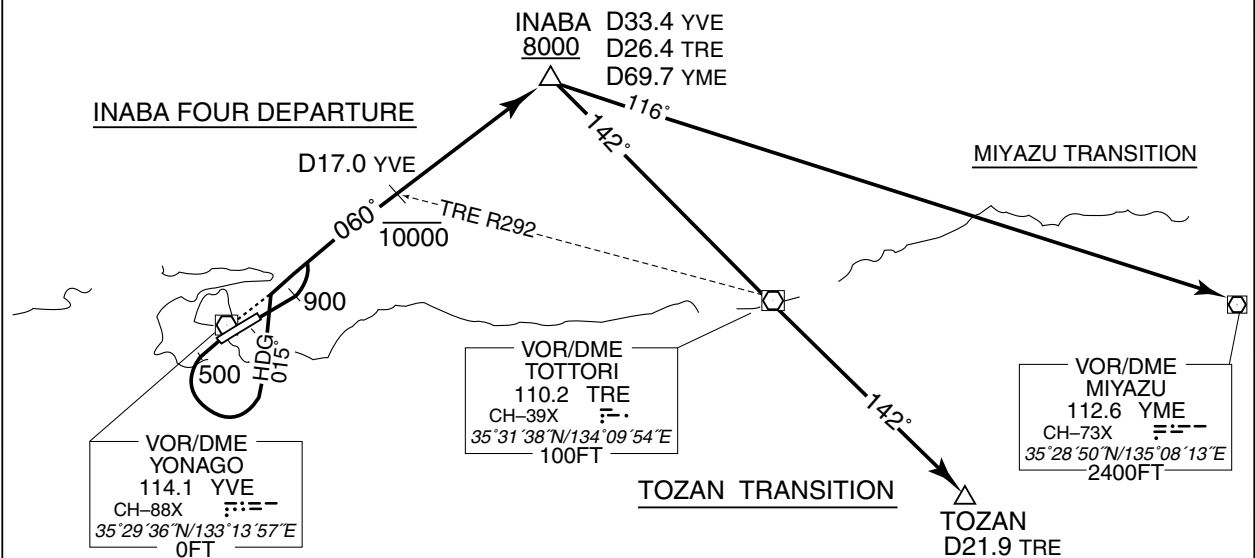
OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

TOZAN TRANSITION

From over INABA, proceed via TRE R322 to TRE VOR/DME, via TRE R142 to TOZAN.

MIYAZU TRANSITION

From over INABA, proceed via YME R296 to YME VOR/DME.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID and TRANSITON

SOUTH SEVEN DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn right HDG216° ...

RWY25 : Climb RWY HDG to 500FT, turn left HDG126° ...

... to intercept and proceed via YVE R171 to NIIMI.

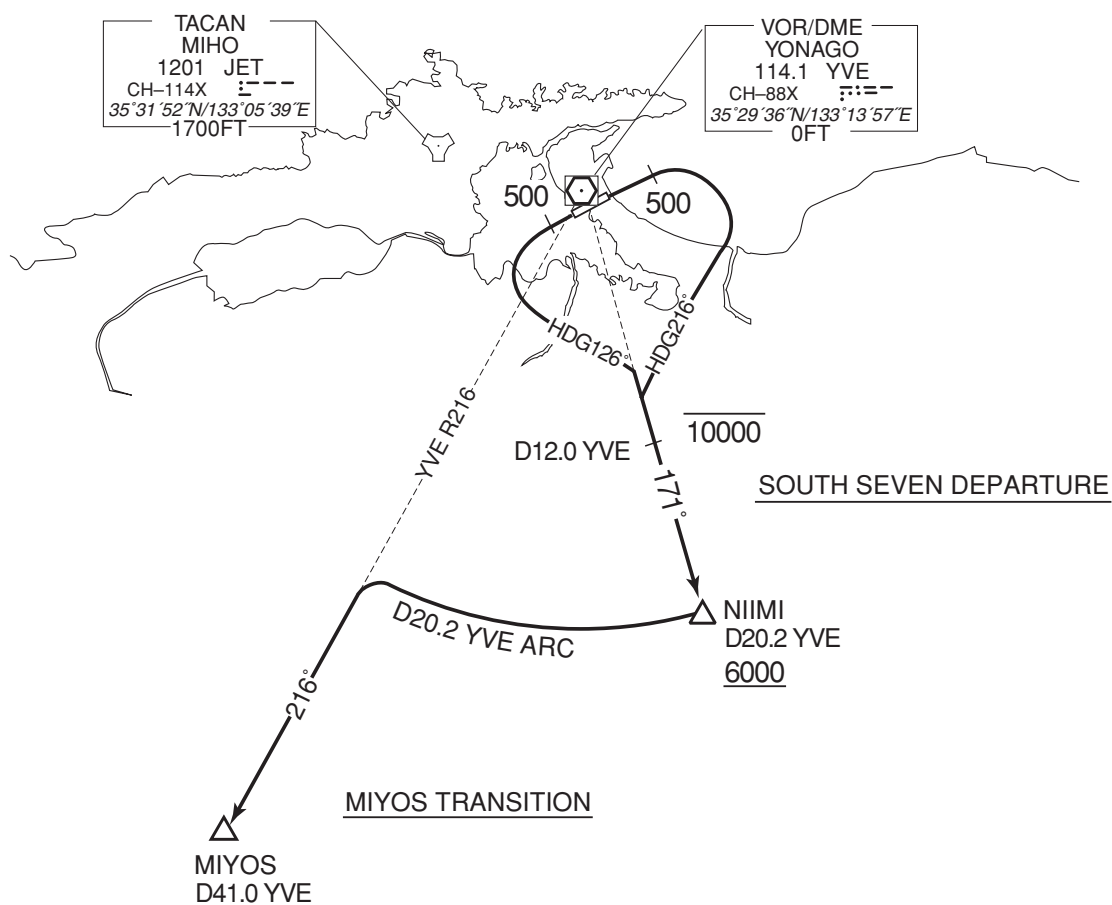
Cross YVE R171/12.0DME at or below 10000FT,
cross NIIMI at or above 6000FT.

Note RWY25 : 5.0% climb gradient required up to 700FT.

OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

MIYOS TRANSITION

From over NIIMI, proceed via YVE 20.2DME clockwise ARC to intercept and proceed via YVE R216 to MIYOS.



CHANGE : MIHO TACAN(JET)

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID

DOZEN FIVE DEPARTURE

RWY 07 : Climb RWY HDG to 1000FT, turn left HDG323°...

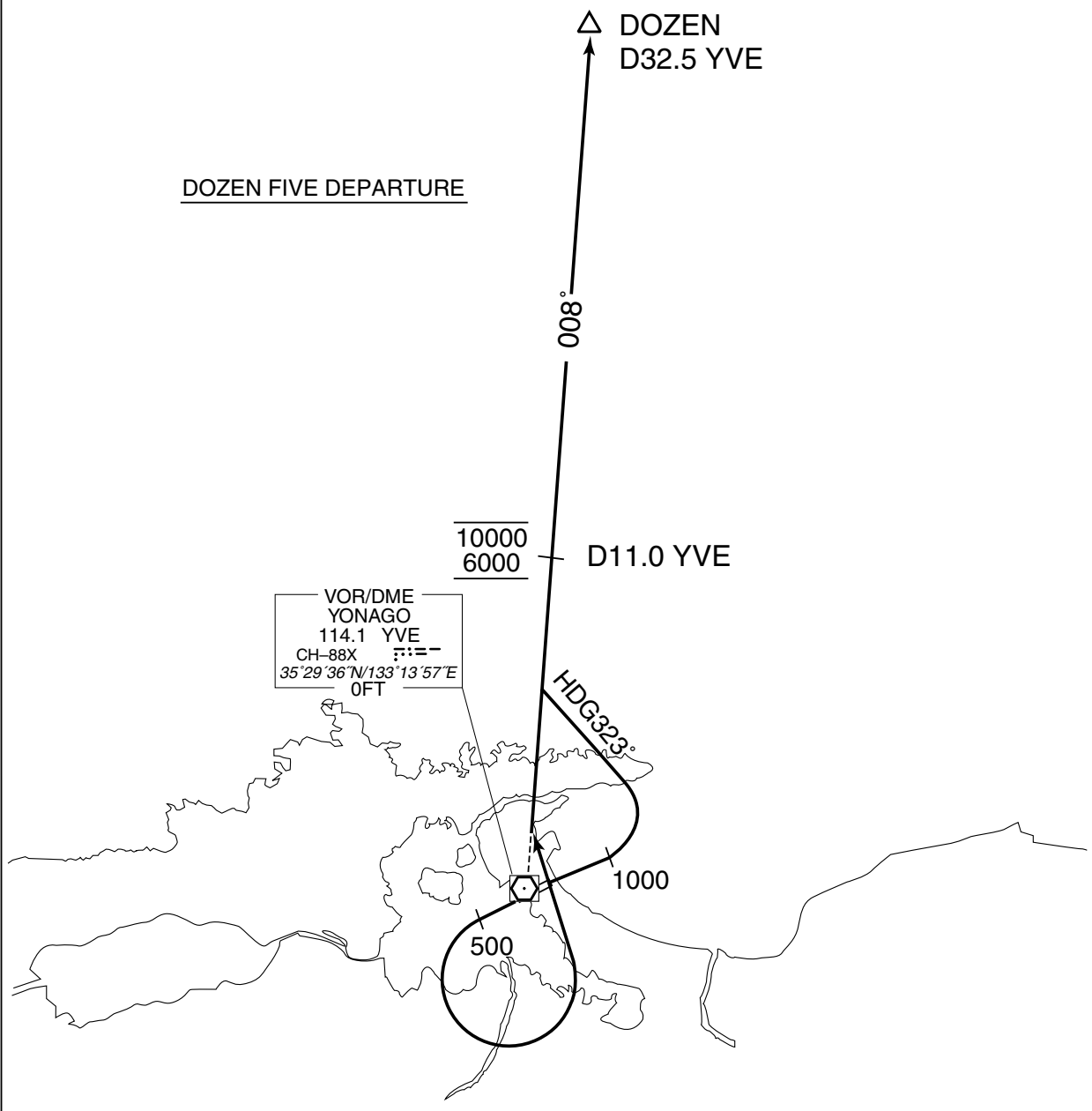
RWY 25 : Climb RWY HDG to 500FT, turn left ...

... to intercept and proceed via YVE R008 to DOZEN.

Cross YVE R008/11.0DME between 6000FT and 10000FT.

Note RWY25 : 5.0% climb gradient required up to 1400FT.

OBST ALT 1247FT located at 4.32NM 015° FM end of RWY25.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

| STAGE ONE DEPARTURE | | RNAV1 |
|---|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | RWY07 : OIE : 12.6NM to STAGE - STAGE RWY25 : JET : 10.0NM to OH501 - 6.0NM to OH501 OIE : 6.0NM to OH501 - 4.0NM to OH501 OH501 - OH701 12.6NM to STAGE - STAGE |
| | DME GAP | RWY07 : DER - 8.7NM to OH701 RWY25 : DER - 10.0NM to OH501 |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 8°W (2012)

STAGE ONE DEPARTURESTAGE ONE DEPARTURE

RWY07 : Climb on HDG071° at or above 500FT, direct to OH701, to OH703 at or below 10000FT, to STAGE.

RWY25 : Climb on HDG251° at or above 500FT, turn left direct to OH501, to OH 701, to OH703 at or below 10000FT, to STAGE.

NOTE RWY25 : 5.0% climb gradient required up to 700FT.
 OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

STAGE ONE DEPARTURE

RWY07

| 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 | — | — | 071 (063.9) | -7.6 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH701 | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | TF | OH703 | — | 329 (321.1) | -7.6 | 6.6 | — | -10000 | — | — | RNAV1 |
| 004 | TF | STAGE | — | 267 (259.6) | -7.6 | 31.5 | — | — | — | — | RNAV1 |

RWY25

| 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 | — | — | 251 (243.9) | -7.6 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH501 | — | — | -7.6 | — | L | — | — | — | RNAV1 |
| 003 | TF | OH701 | — | 019 (011.2) | -7.6 | 8.2 | — | — | — | — | RNAV1 |
| 004 | TF | OH703 | — | 329 (321.1) | -7.6 | 6.6 | — | -10000 | — | — | RNAV1 |
| 005 | TF | STAGE | — | 267 (259.6) | -7.6 | 31.5 | — | — | — | — | RNAV1 |

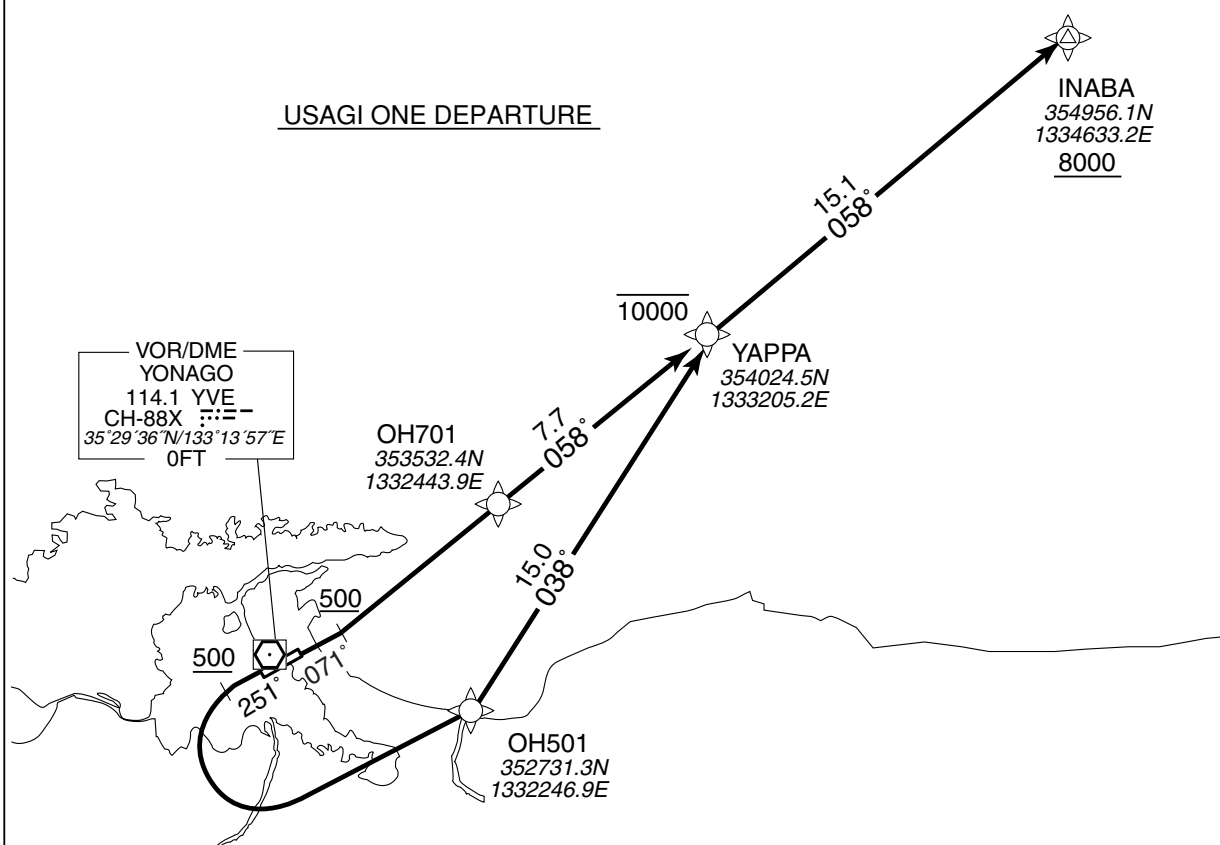
STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

| USAGI ONE DEPARTURE | | RNAV1 |
|---|------------------------|---|
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | RWY25 : JET : 10.0NM to OH501 - 6.0NM to OH501 OIE : 6.0NM to OH501 -4.0NM to OH501 OH501 - 6.0NM to YAPPA |
| | DME GAP | RWY07 :DER - 8.7NM to OH701 RWY25 :DER - 10.0NM to OH501 |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 8°W (2012)

USAGI ONE DEPARTUREUSAGI ONE DEPARTURE

RWY07 : Climb on HDG071° at or above 500FT, direct to OH701, to YAPPA at or below 10000FT, to INABA at or above 8000FT.

RWY25 : Climb on HDG251° at or above 500FT, turn left direct to OH501, to YAPPA at or below 10000FT, to INABA at or above 8000FT.

NOTE RWY25 : 5.0% climb gradient required up to 700FT.

OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

USAGI ONE DEPARTURE

RWY07

| 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 | — | — | 071 (063.9) | -7.6 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH701 | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | TF | YAPPA | — | 058 (050.8) | -7.6 | 7.7 | — | -10000 | — | — | RNAV1 |
| 004 | TF | INABA | — | 058 (050.9) | -7.6 | 15.1 | — | +8000 | — | — | RNAV1 |

RWY25

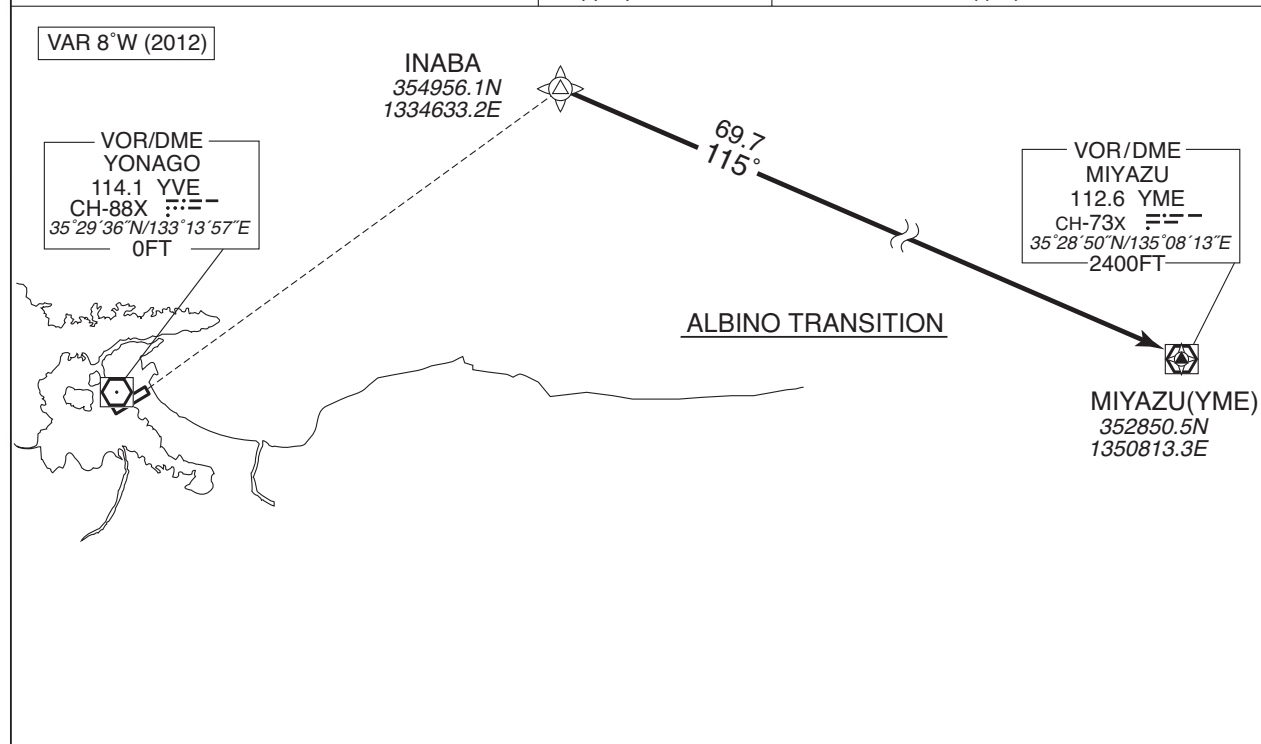
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 251 (243.9) | -7.6 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH501 | — | — | -7.6 | — | L | — | — | — | RNAV1 |
| 003 | TF | YAPPA | — | 038 (030.4) | -7.6 | 15.0 | — | -10000 | — | — | RNAV1 |
| 004 | TF | INABA | — | 058 (050.9) | -7.6 | 15.1 | — | +8000 | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV TRANSITION

| ALBINO TRANSITION | | | RNAV1 |
|---|-----------------------|---|-------|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. | Critical DME | TRE : 42NM to MIYAZU - 40NM to MIYAZU OKT : 26NM to MIYAZU - 25NM to MIYAZU STD : 5NM to MIYAZU - 1NM to MIYAZU | |
| | DME GAP | — | |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 | |

ALBINO TRANSITION

From INABA, to YME.

ALBINO 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 | INABA | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | YME | — | 115 (107.2) | -7.6 | 69.7 | — | — | — | — | RNAV1 |

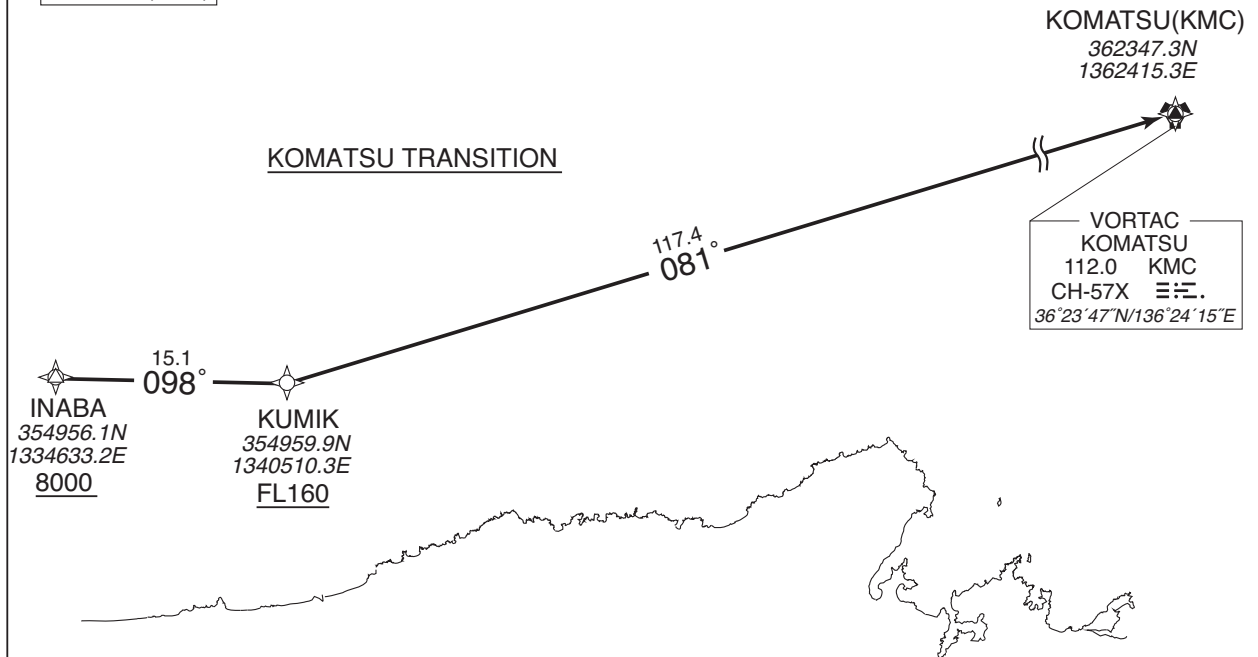
STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV TRANSITION

| KOMATSU TRANSITION | | | RNAV1 |
|---|------------------------|---|-------|
| NOTE 1) DME/DME/IRU or GNSS required. 2) RADAR service required. | Critical DME | CBE : 3.0NM to KMC - KMC | |
| | DME GAP | — | |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 | |

VAR 8°W (2016)

KOMATSU TRANSITION

From INABA at or above 8000FT, to KUMIK at or above FL160, to KMC.

| 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 | INABA | — | — | -7.9 | — | — | +8000 | — | — | RNAV1 |
| 002 | TF | KUMIK | — | 098 (089.7) | -7.9 | 15.1 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | KMC | — | 081 (072.6) | -7.9 | 117.4 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

KITARO ONE DEPARTURE

RNAV1

NOTE 1) DME/DME/IRU or GNSS required.

※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.

2) RADAR service required.

Critical DME

RWY07

TRE : 1.0NM to OH703 – 7.0NM to MIHOU

RWY25

JET : 10.0NM to OH501 – 6.0NM to OH501

OIE : 6.0NM to OH501 – 4.0NM to OH501

OH501 – OH701

TRE : 1.0NM to OH703 – 7.0NM to MIHOU

DME GAP

RWY07 : DER – 8.7NM to OH701

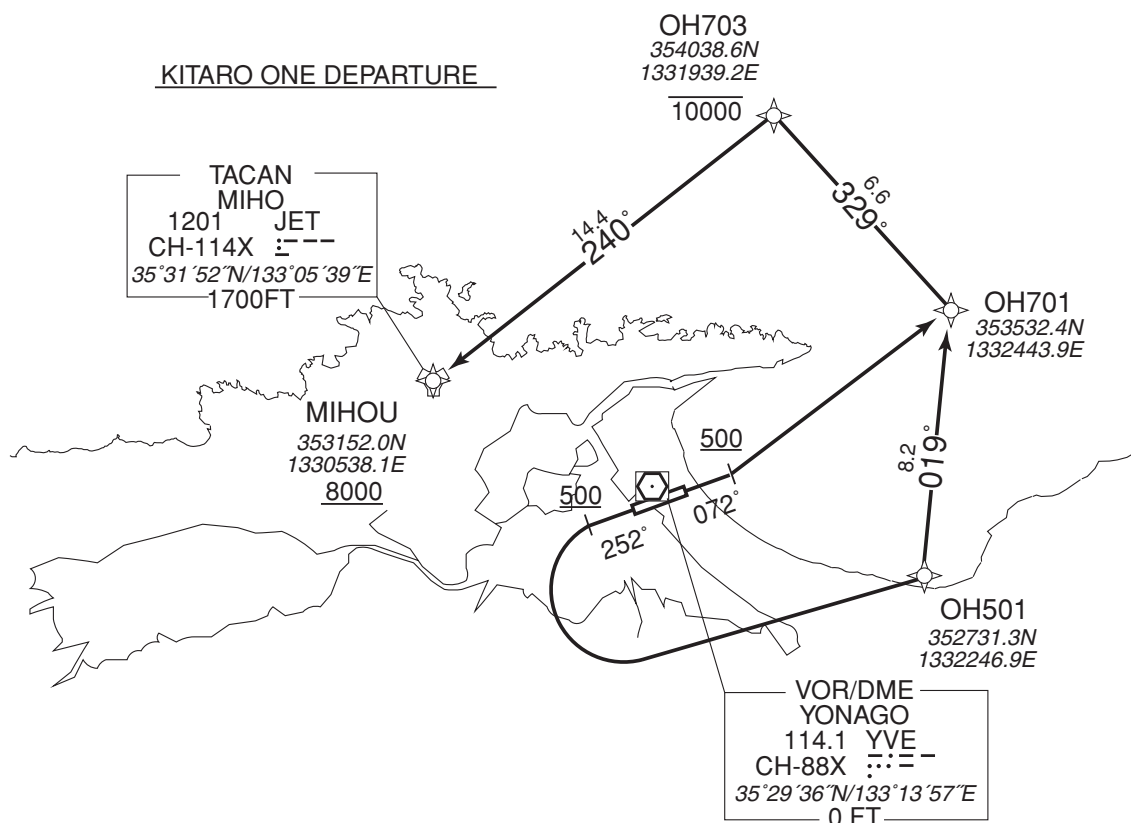
RWY25 : DER – 10.0NM to OH501

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8°W (2016)

KITARO ONE DEPARTURE



KITARO ONE DEPARTURE

RWY07 : Climb on HDG072° at or above 500FT, direct to OH701, to OH703 at or below 10000FT, to MIHOU at or above 8000FT.

RWY25 : Climb on HDG252° at or above 500FT, turn left direct to OH501, to OH701, to OH703 at or below 10000FT, to MIHOU at or above 8000FT.

NOTE RWY25 : 5.0% climb gradient required up to 700FT.

OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

CHANGE : MIHO TACAN(JET)

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

KITARO ONE DEPARTURE

RWY07

| 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 | — | — | 072 (063.9) | -7.9 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH701 | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 003 | TF | OH703 | — | 329 (321.1) | -7.9 | 6.6 | — | -10000 | — | — | RNAV1 |
| 004 | TF | MIHOU | — | 240 (232.5) | -7.9 | 14.4 | — | +8000 | — | — | RNAV1 |

RWY25

| 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 | — | — | 252 (243.9) | -7.9 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | OH501 | — | — | -7.9 | — | L | — | — | — | RNAV1 |
| 003 | TF | OH701 | — | 019 (011.2) | -7.9 | 8.2 | — | — | — | — | RNAV1 |
| 004 | TF | OH703 | — | 329 (321.1) | -7.9 | 6.6 | — | -10000 | — | — | RNAV1 |
| 005 | TF | MIHOU | — | 240 (232.5) | -7.9 | 14.4 | — | +8000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

STAR

MIHO ARRIVAL

From over YVE VOR/DME, proceed via YVE R060 to YVE 18.0DME,
turn left, direct to YVE VOR/DME.



STANDARD ARRIVAL CHART - INSTRUMENT

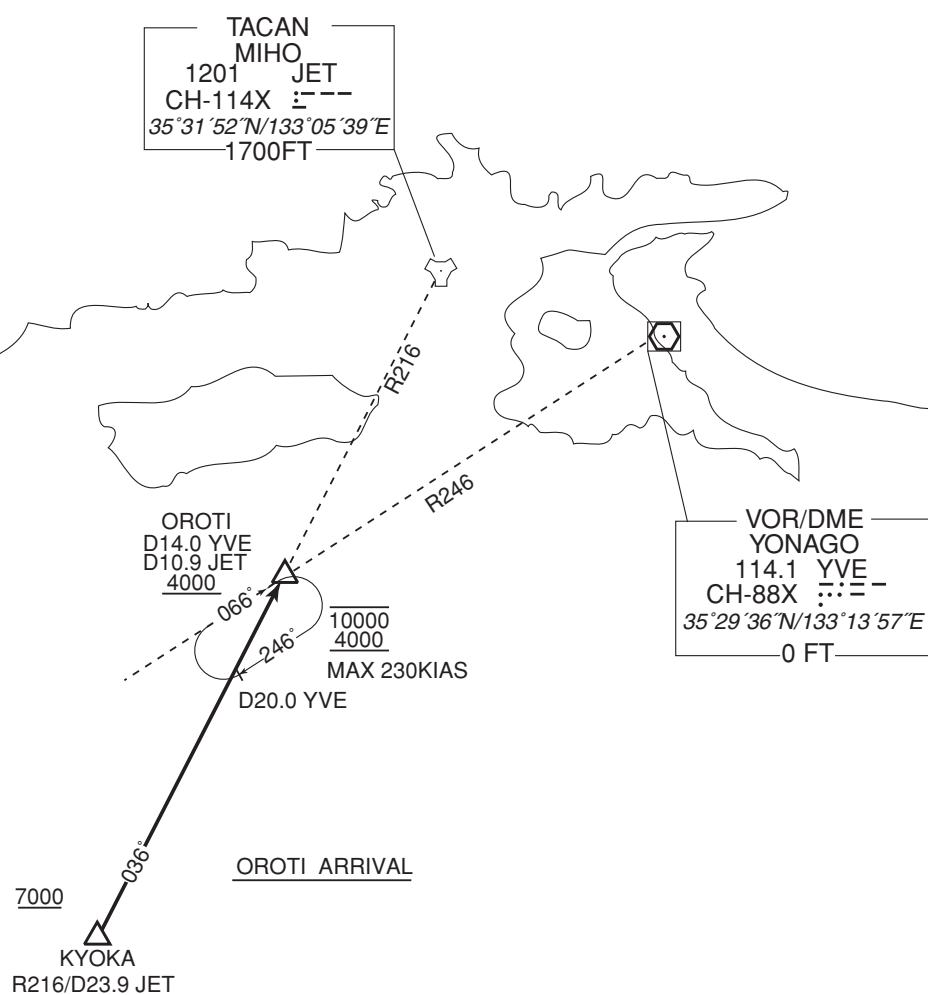
RJOH / MIHO

STAR

OROTI ARRIVAL

From over KYOKA, via JET R216 to OROTI.

Cross KYOKA at or above 7000FT, cross OROTI at or above 4000FT.



CHANGE : MIHO TACAN(JET)

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

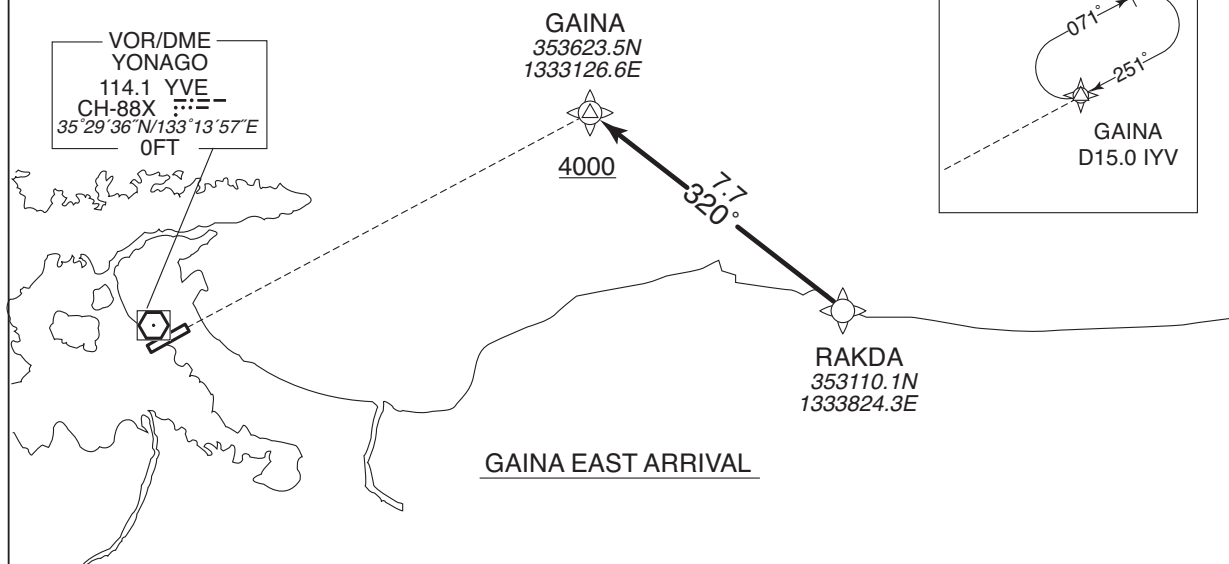
RNAV STAR RWY25

GAINA EAST ARRIVAL

RNAV1

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

VAR 8°W (2012)

GAINA EAST ARRIVAL

From RAKDA, to GAINA at or above 4000FT.

| | |
|------------------------|--|
| Critical DME | OIE : RAKDA - 5.7NM to GAINA 3.7NM to GAINA - 1.7NM to GAINA |
| DME GAP | — |
| Inappropriate Nav aids | 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 | RAKDA | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | GAINA | — | 320 (312.7) | -7.6 | 7.7 | — | +4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY25

GAINA WEST ARRIVAL

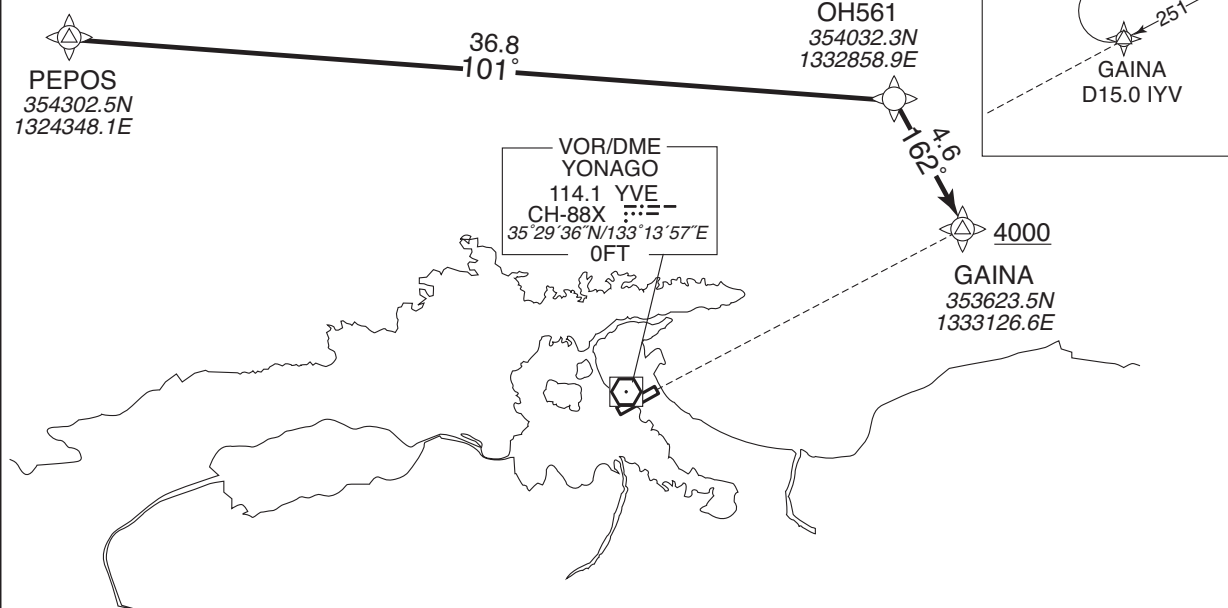
RNAV1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 8°W (2012)

GAINA WEST ARRIVAL



GAINA WEST ARRIVAL

From PEPOS, to OH561, to GAINA at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | OIE : PEPOS - 32NM to OH561 |
| DME GAP | — |
| Inappropriate Nav aids | 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 | PEPOS | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | OH561 | — | 101 (093.7) | -7.6 | 36.8 | — | — | — | — | RNAV1 |
| 003 | TF | GAINA | — | 162 (154.2) | -7.6 | 4.6 | — | +4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY07

KYURI EAST ARRIVAL

RNAV1

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

VAR 8°W (2012)

KYURI EAST ARRIVAL

From RAKDA, to OH762 at or above 5500FT, to OH761 at or above 4000FT, to KYURI at or above 3500FT.

| | |
|------------------------|--|
| Critical DME | OIE : OH762 - 20NM to OH761 JET : 7NM to OH761 - OH761 4NM to KYURI - 3NM to KYURI YVE : 7NM to OH761 - OH761 4NM to KYURI - KYURI |
| DME GAP | OH761 - 4NM to KYURI |
| Inappropriate Nav aids | 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 | RAKDA | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | OH762 | — | 255 (247.3) | -7.6 | 7.4 | — | +5500 | — | — | RNAV1 |
| 003 | TF | OH761 | — | 255 (247.2) | -7.6 | 24.4 | — | +4000 | — | — | RNAV1 |
| 004 | TF | KYURI | — | 342 (334.0) | -7.6 | 5.4 | — | +3500 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY07

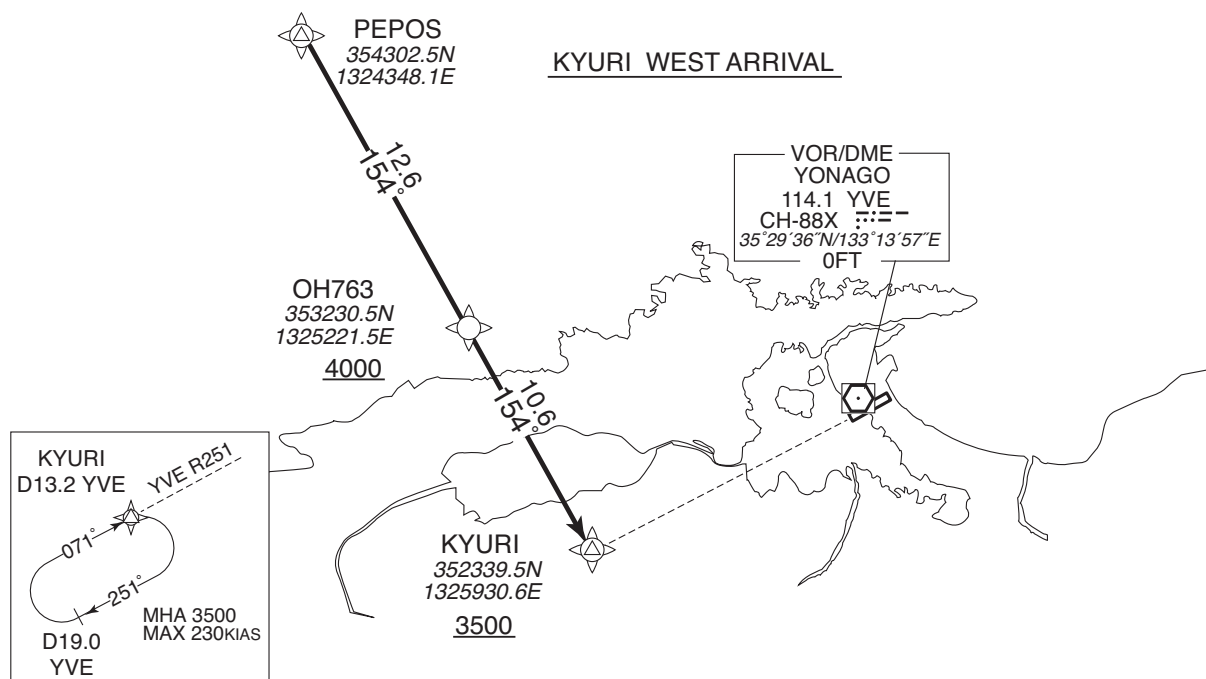
KYURI WEST ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 8°W (2012)

**KYURI WEST ARRIVAL**

From PEPOS, to OH763 at or above 4000FT, to KYURI at or above 3500FT.

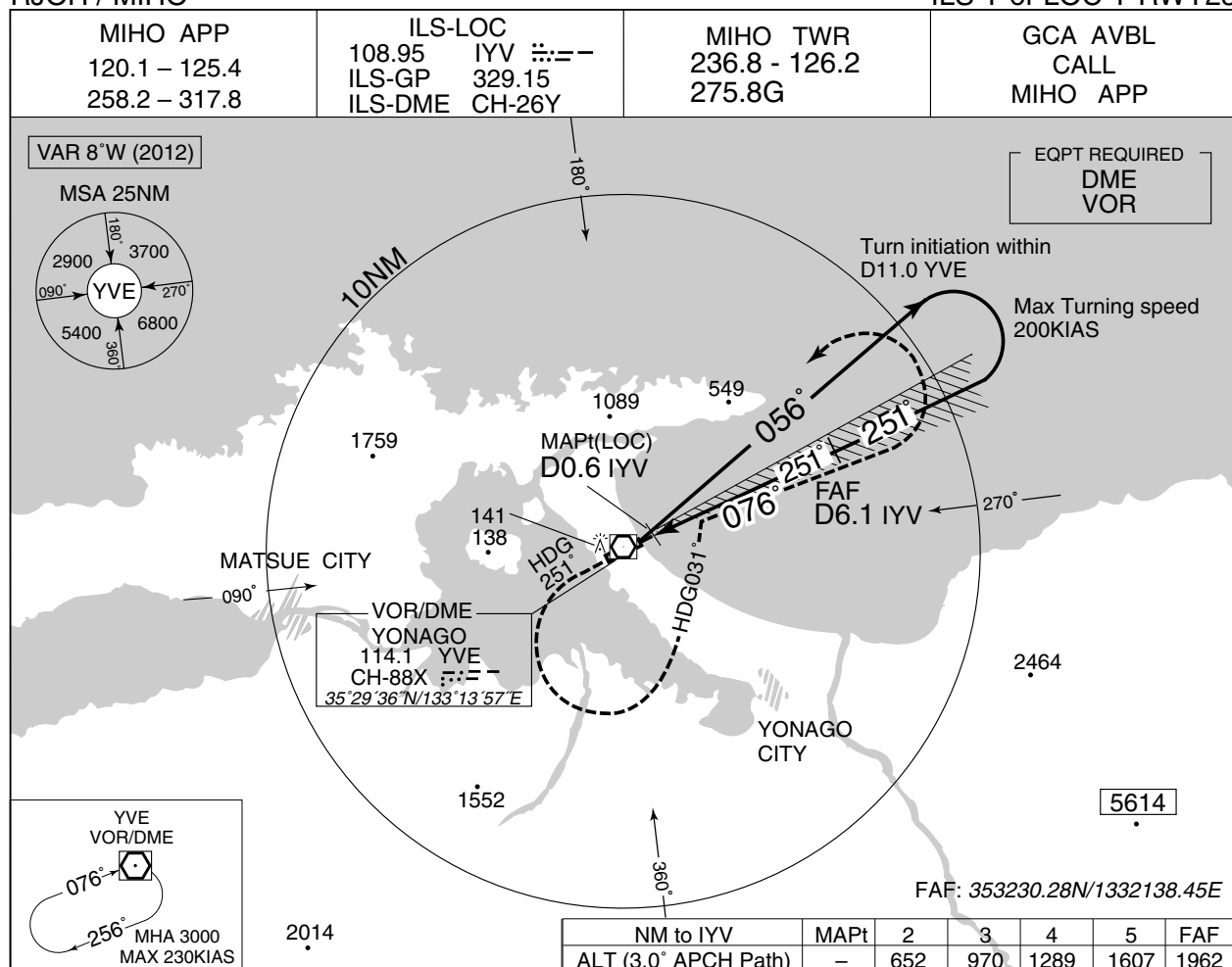
| | |
|-----------------------|--|
| Critical DME | OIE : PEPOS - 1NM to KYURI YVE : 3NM to KYURI - KYURI |
| DME GAP | — |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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 | PEPOS | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | OH763 | — | 154 (146.5) | -7.6 | 12.6 | — | +4000 | — | — | RNAV1 |
| 003 | TF | KYURI | — | 154 (146.6) | -7.6 | 10.6 | — | +3500 | — | — | RNAV1 |

INSTRUMENT APPROACH CHART

RJOH / MIHO

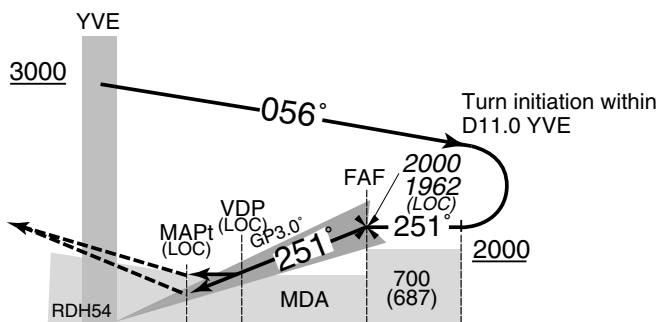
ILS Y or LOC Y RWY25



MISSED APPROACH

Climb on HDG251° to 500FT, turn left HDG031° to intercept and proceed via YVE R076 to 3000FT, turn left, direct to YVE VOR/DME within YVE 10.0DME and hold.
Contact MIHO APP.

Timing not authorized for defining the MAPt.



DME to IYV

NM to THR

| | | |
|-----|-----|-----|
| 0.6 | 1.0 | 6.1 |
| 0 | 0.4 | 0.9 |
| 5.9 | | |

Missed APCH climb gradient MNM 3.0%

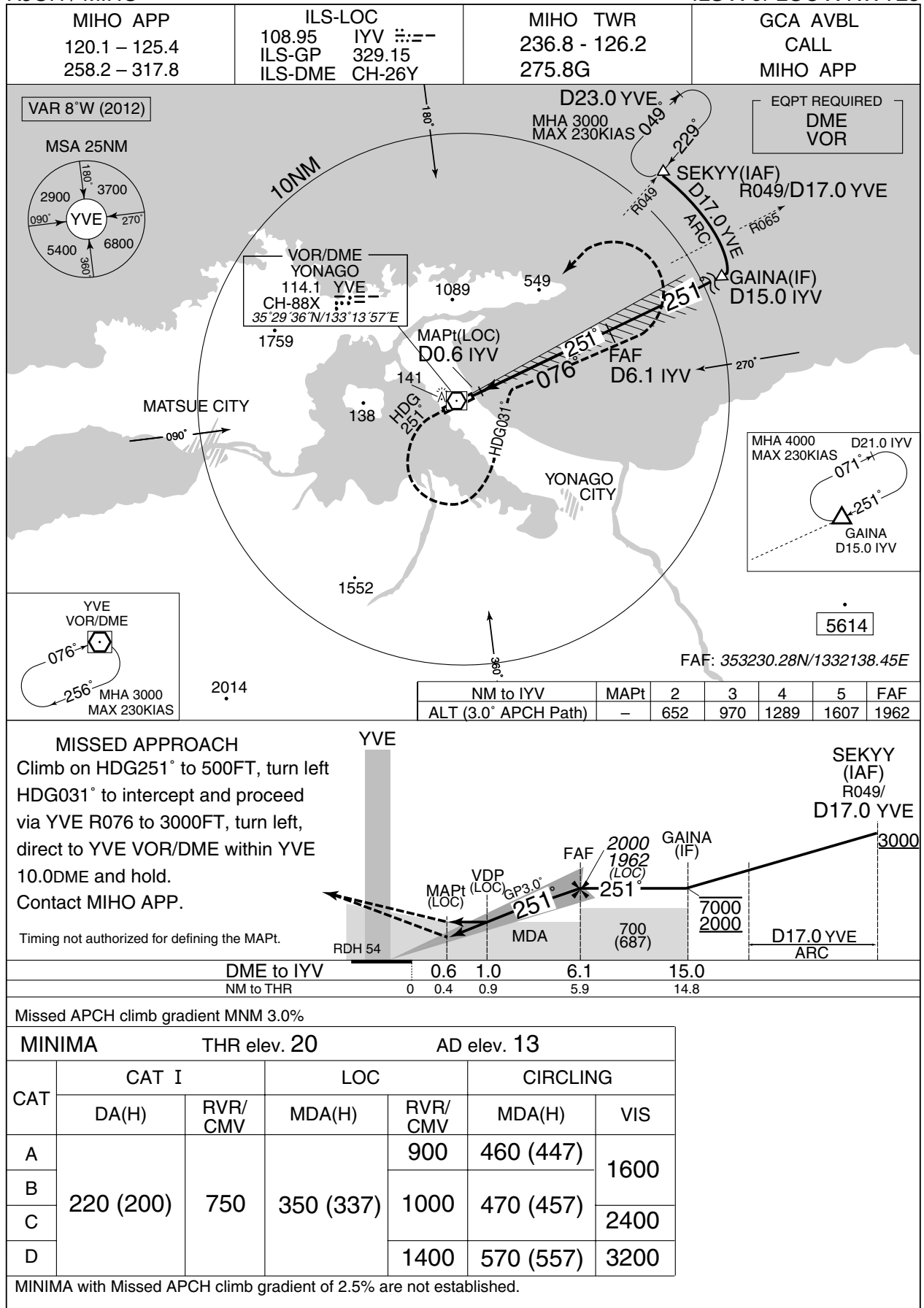
| MINIMA | | THR elev. 20 | | AD elev. 13 | | |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 220 (200) | 750 | 350 (337) | 900 | 460 (447) | 1600 |
| B | | | | 1000 | 470 (457) | |
| C | | | | | | 1400 |
| D | | | | 3200 | | |

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

INSTRUMENT APPROACH CHART

RJOH / MIHO

ILS X or LOC X RWY25

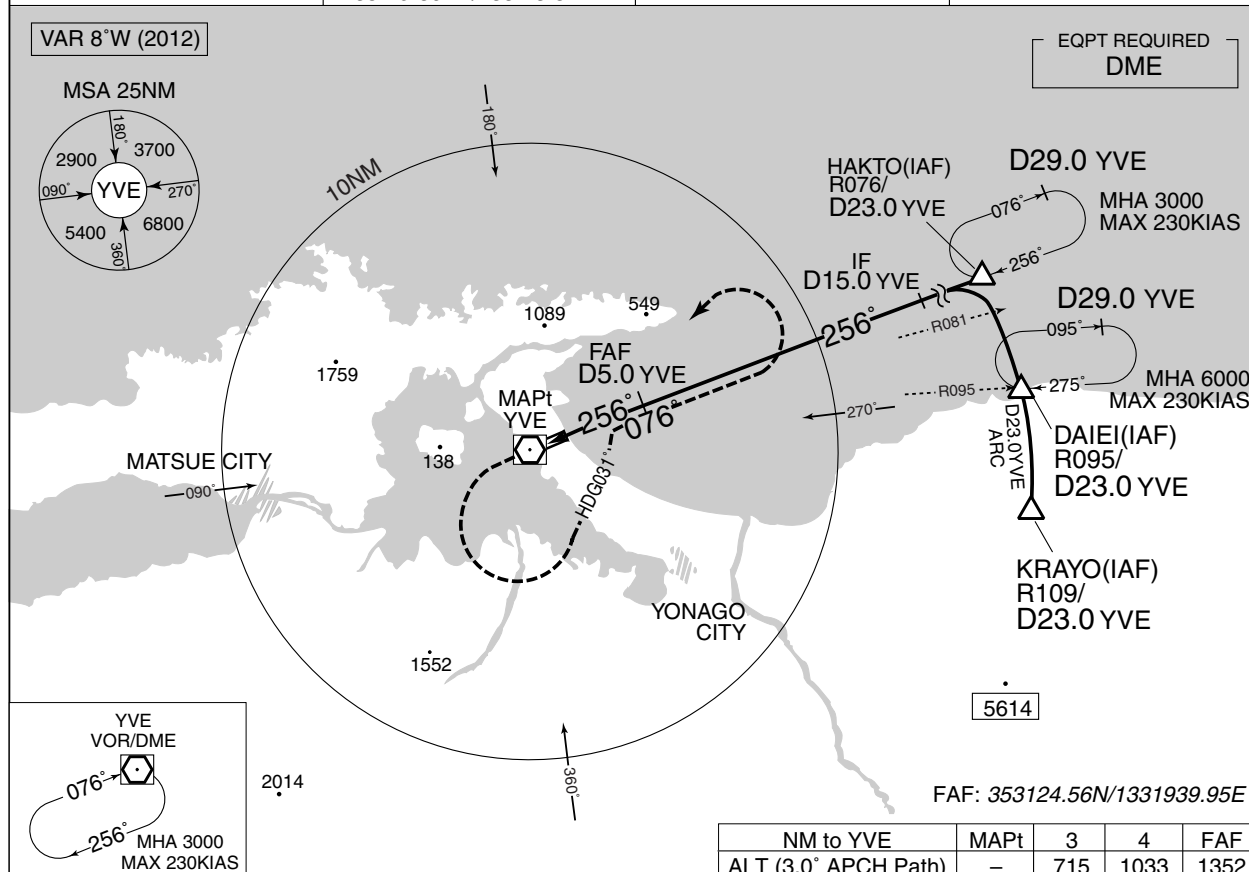


INSTRUMENT APPROACH CHART

RJOH / MIHO

VOR Z RWY25

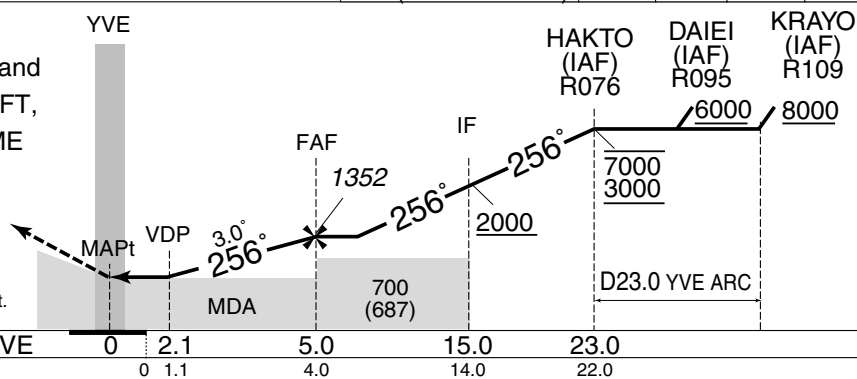
| | | | |
|--|---|-------------------------------------|------------------------------|
| MIHO APP 120.1 – 125.4 258.2 – 317.8 | YONAGO VOR/DME 114.1 YVE CH-88X 35°29'36"N / 133°13'57"E | MIHO TWR 236.8 - 126.2 275.8G | GCA AVBL CALL MIHO APP |
|--|---|-------------------------------------|------------------------------|



MISSED APPROACH

Turn left HDG031° to intercept and proceed via YVE R076 to 3000FT, turn left, direct to YVE VOR/DME within YVE 10.0DME and hold. Contact MIHO APP.

Timing not authorized for defining the MAPt.



MINIMA

THR elev. 20

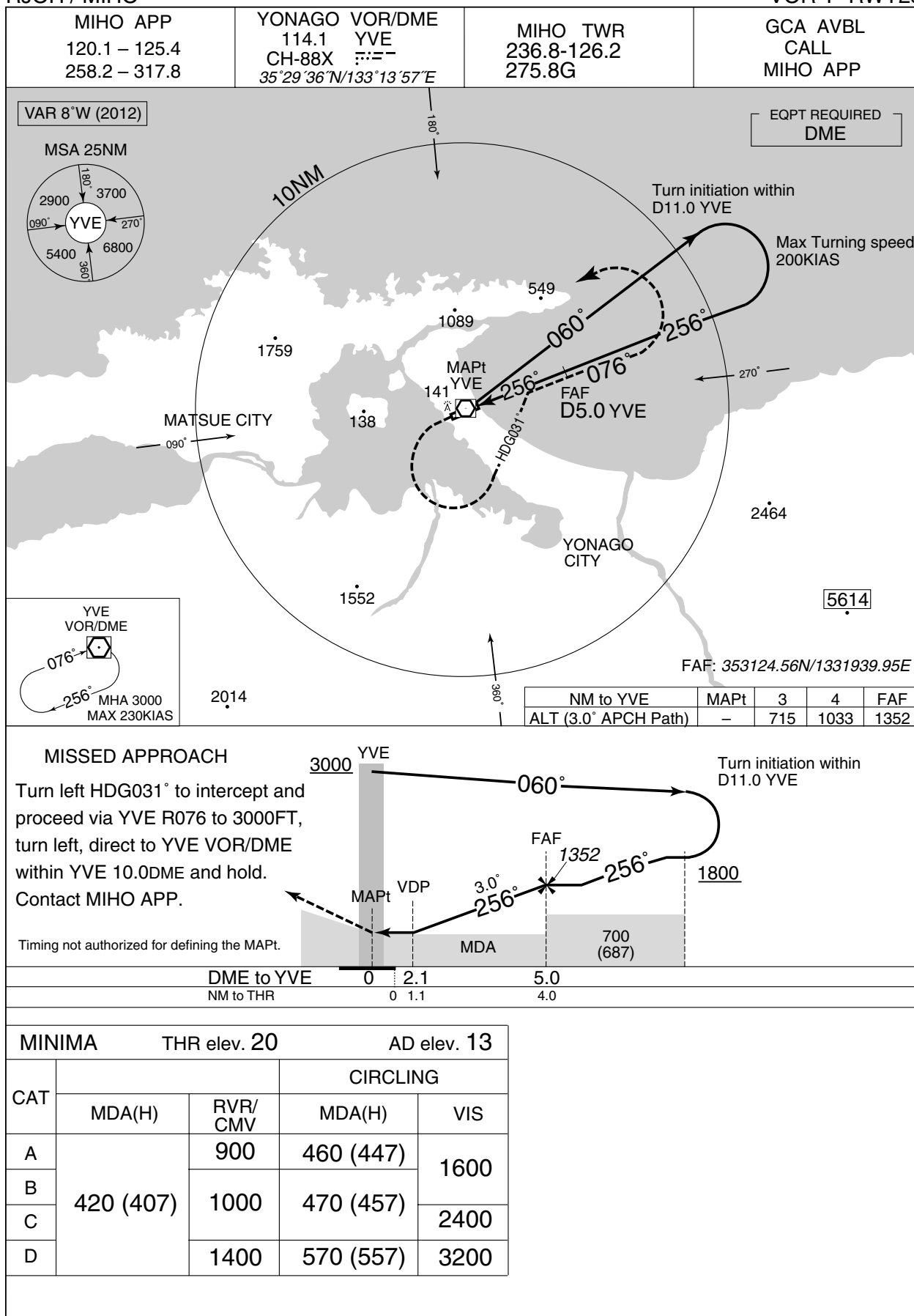
AD elev. 13

| CAT | MDA(H) | | CIRCLING | |
|-----|-----------|---------|-----------|------|
| | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 420 (407) | 900 | 460 (447) | 1600 |
| B | | 1000 | 470 (457) | 2400 |
| C | | | | |
| D | | 1400 | 570 (557) | 3200 |

INSTRUMENT APPROACH CHART

RJOH / MIHO

VOR Y RWY25

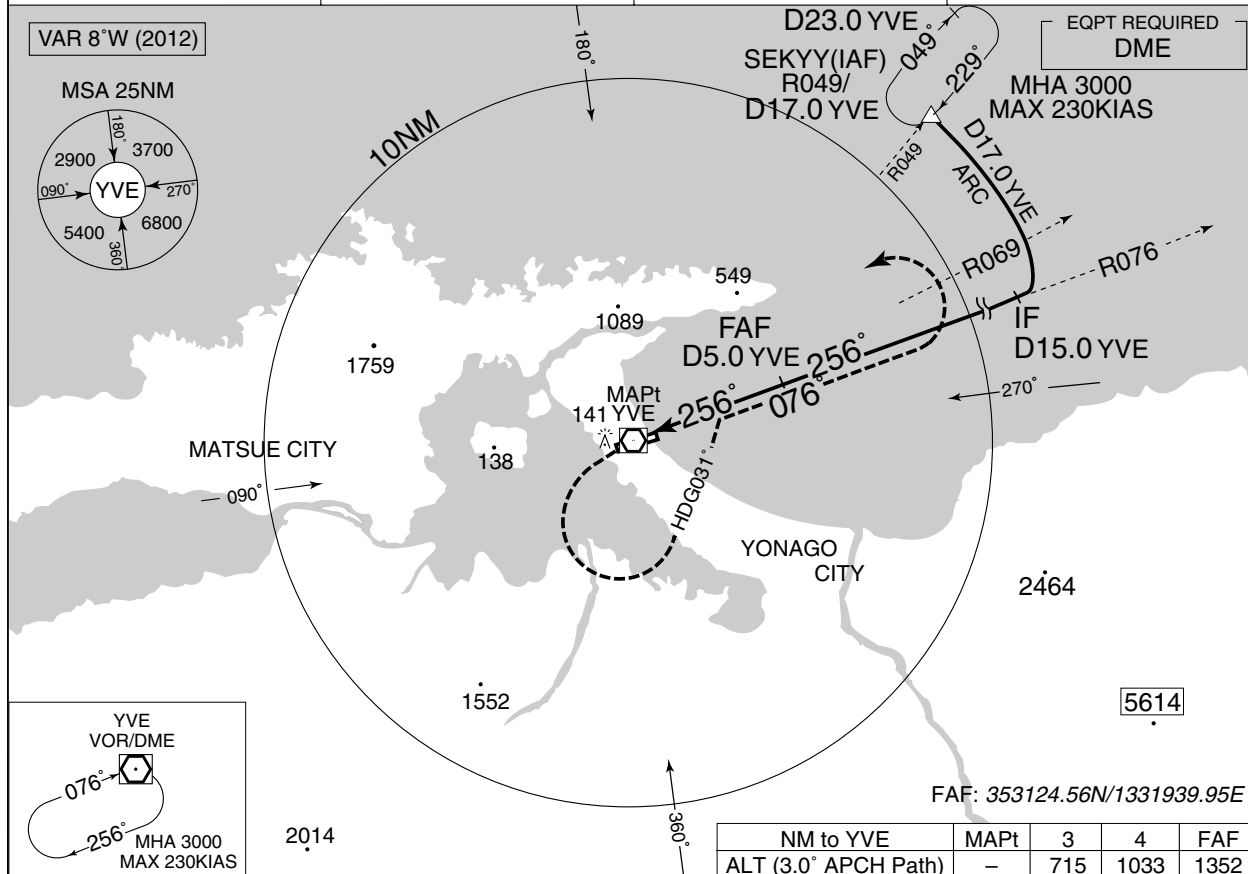


INSTRUMENT APPROACH CHART

RJOH / MIHO

VOR X RWY25

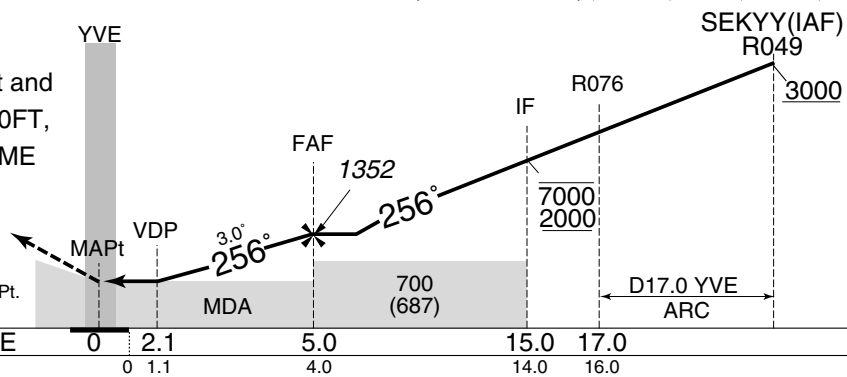
| | | | |
|--|---|-------------------------------------|------------------------------|
| MIHO APP 120.1 – 125.4 258.2 – 317.8 | YONAGO VOR/DME 114.1 YVE CH-88X 35°29'36"N/133°13'57"E | MIHO TWR 236.8 - 126.2 275.8G | GCA AVBL CALL MIHO APP |
|--|---|-------------------------------------|------------------------------|



MISSED APPROACH

Turn left HDG031° to intercept and proceed via YVE R076 to 3000FT, turn left, direct to YVE VOR/DME within YVE 10.0DME and hold.
Contact MIHO APP.

Timing not authorized for defining the MAPt.



| MINIMA | | THR elev. 20 | AD elev. 13 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 420 (407) | 900 | 460 (447) | 1600 |
| B | | 1000 | 470 (457) | |
| C | | | | 2400 |
| D | | 1400 | 570 (557) | 3200 |

RJOH / MIHO
 MIHO APP
 120.1 – 125.4
 258.2 – 317.8

YONAGO VOR/DME
 114.1 YVE
 CH-88X
 35°29'36"N/133°13'57"E

MIHO TWR
 236.8 – 126.2
 275.8G

VOR Z RWY07
 GCA AVBL
 CALL
 MIHO APP

VAR 8°W (2012)

EQPT REQUIRED
 DME

| NM to YVE | FAF | 5 | 4 | 3 | 2 | MAPt |
|----------------------|------|------|------|-----|-----|------|
| ALT (3.0° APCH Path) | 1845 | 1526 | 1208 | 890 | 571 | — |

MISSED APPROACH

Climb via YVE R066 to 1100FT, turn left within YVE 10.0DME, direct to YVE VOR/DME and hold at 4000FT. Contact MIHO APP.

Timing not authorized for defining the MAPt.

| DME to YVE | | 14.0 | 11.0 | 9.0 | 6.0 | 4.0 | 0 |
|------------|--|------|------|-----|-----|-----|---|
| NM to THR | | 13.6 | 10.6 | 8.6 | 5.6 | 3.6 | 0 |

| MINIMA | | | THR elev. 9 | AD elev. 13 |
|--------|-----------|---------|-------------|-------------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 380 (367) | 1200 | 460 (447) | 1600 |
| B | 400 (387) | 1300 | 470 (457) | |
| C | 430 (417) | 1400 | | 2400 |
| D | 450 (437) | 1600 | 570 (557) | 3200 |

INSTRUMENT APPROACH CHART

RJOH / MIHO

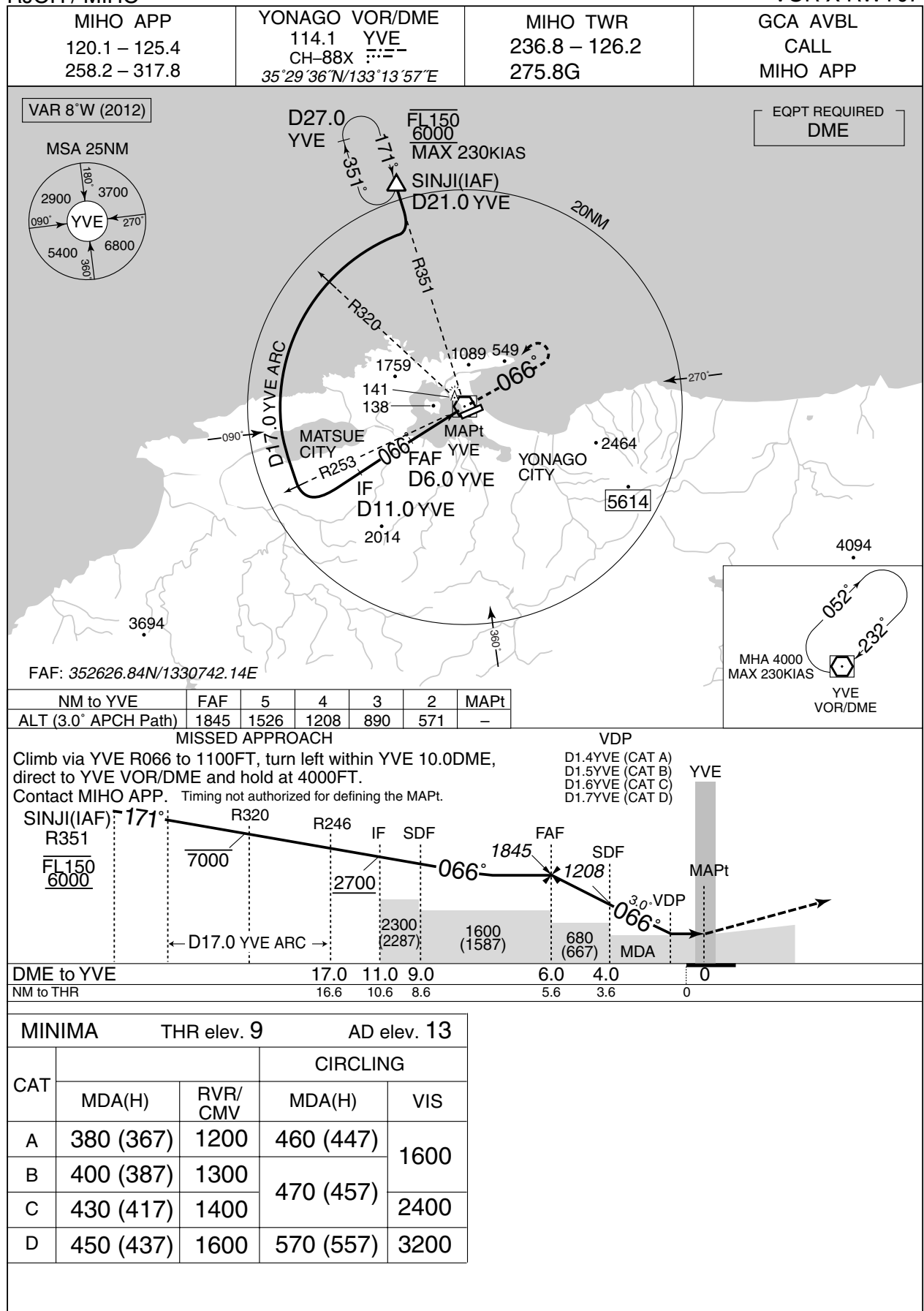
VOR Y RWY07



INSTRUMENT APPROACH CHART

RJOH / MIHO

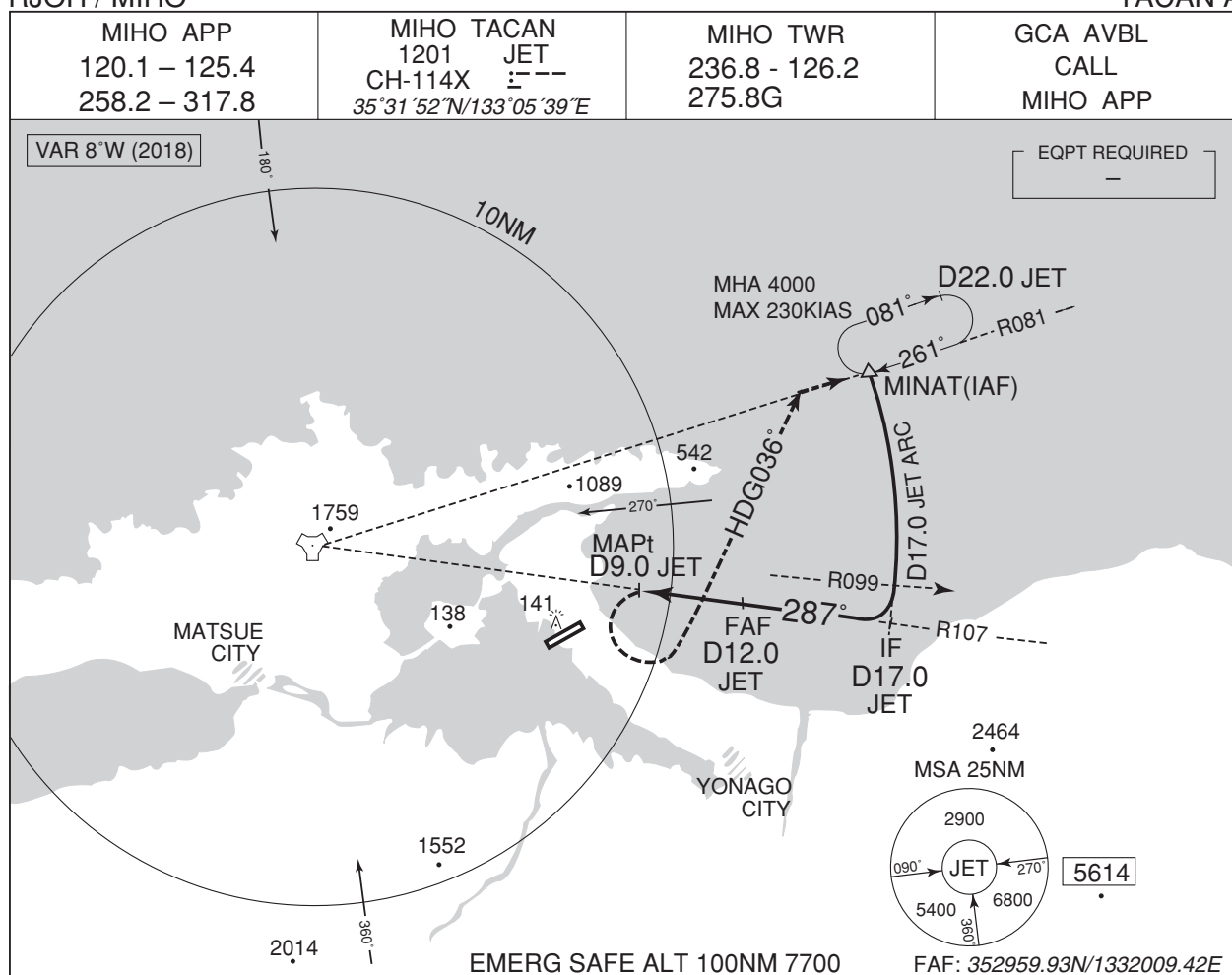
VOR X RWY07



INSTRUMENT APPROACH CHART

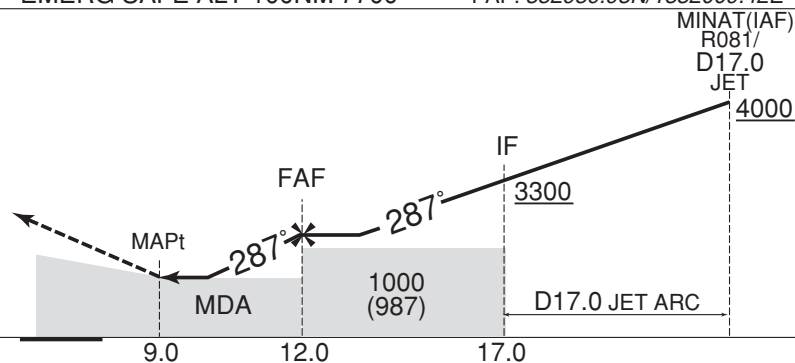
RJOH / MIHO

TACAN A



MISSED APPROACH
 Turn left climb to 4000FT on
 HDG036° to intercept and
 proceed via JET R081 to
 MINAT and hold.
 Contact MIHO APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

MINIMA

AD elev. 13

| CAT | CIRCLING | |
|-----|-----------|------|
| | MDA(H) | VIS |
| A | 780 (767) | 1600 |
| B | | 2400 |
| C | | 3200 |
| D | | |

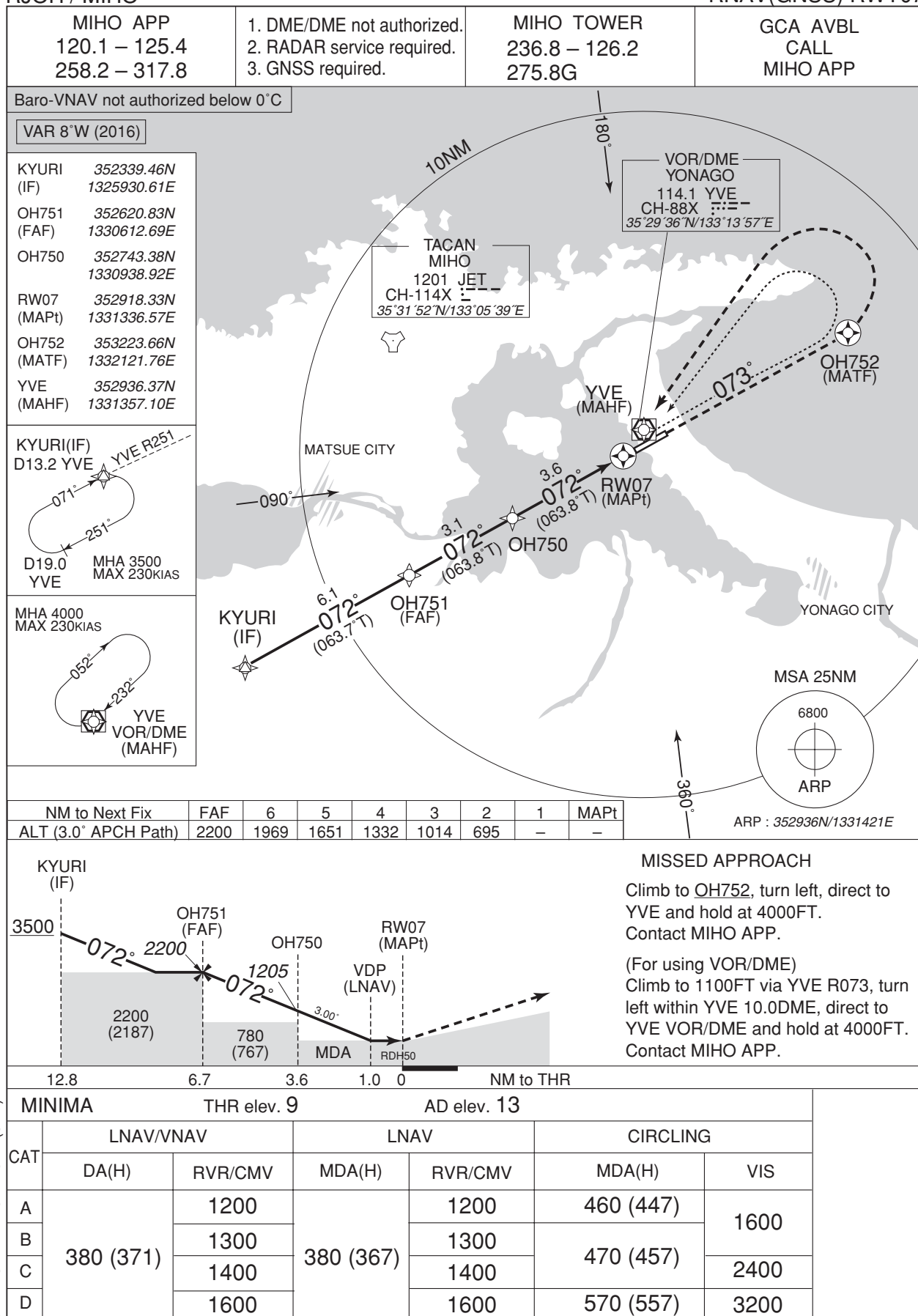
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR, MIHO TACAN(JET)

INSTRUMENT APPROACH CHART

RJOH / MIHO

RNAV(GNSS) RWY07



RJOH / MIHO

Minimum Vectoring Altitude CHART

