

**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	Quarantine (human): INTL SKED FLT hours only Quarantine (animal): 2330-0800 EXC FRI 2330-SUN 0800 and HOL Quarantine (plant): 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) JET A-1, JET A-1 PLUS
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	(CAB) Emergency medical equipments conveyance truck x 1 Lighting power supply truck x 1
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 TWY/APN to measure the coefficient of friction: TWY B1, B2 and CIVIL APN(CAB) TWY MAIN, A1-A5, B5(JSDF)

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

1	Apron surface and strength	Civil apron : Surface : Cement concrete Strength : PCR 845/R/B/W/T
2	Taxiway width, surface and strength	MAIN TWY Width : 23m Strength : PCR 747/F/A/X/T A1, A5 Width : 28.5m Strength : PCR 747/F/A/X/T A2, A3, A4 Width : 34m Strength : PCR 747/F/A/X/T B1, B2 Width : 34m Surface : Asphalt concrete Strength : PCR 773/F/A/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

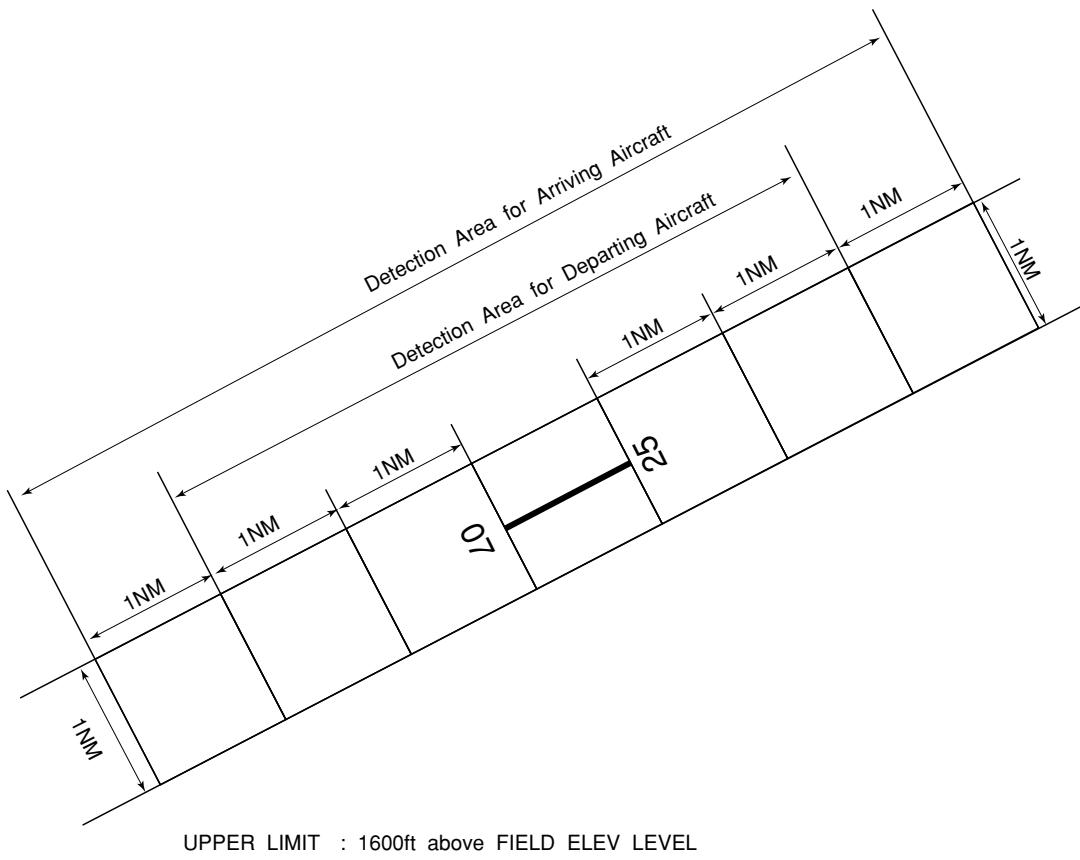
**RJOH AD 2.10 AERODROME OBSTACLES**

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 <sub>6</sub> , U <sub>7</sub> , U <sub>85</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /Tr, 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> , 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 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**



## RJOH 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
07	063.74°	2500x45	PCR 875/F/B/X/T SW 82000kg (180779lbs) DW 89000kg (196211lbs)	Nil	THR ELEV: 9.3ft TDZ ELEV: 10.8ft
25	243.74°	2500x45	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	2620x300 2620x300				RWY Grooving:2500x30m

## 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	GREEN Nil	PAPI 3.0°/LEFT 422m 65.6ft	Nil	Nil	2500m 60m Coded color (White/Yellow) LIH	RED Nil	Nil (*2)
25	PALS (CAT I) 900m	GREEN GREEN	PAPI 3.0°/LEFT 419m 66.0ft	Nil	Nil	2500m 60m Coded color (White/Yellow) LIH	RED 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**

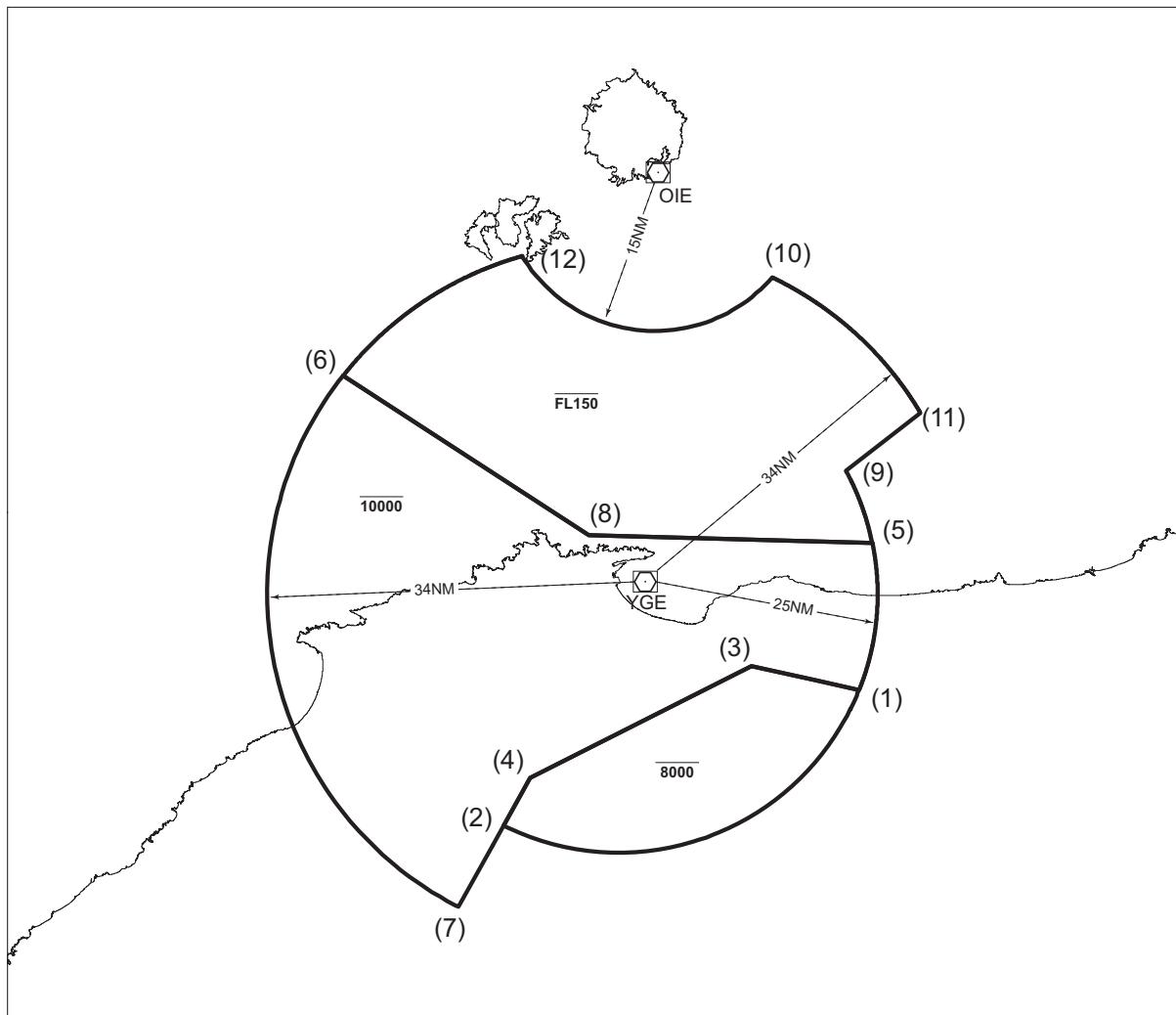
Nil

## 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 attached chart		E	MIHO APP MIHO DEP MIHO RADAR En	

美保進入管制区

Miho Approach Control Area



## Point list

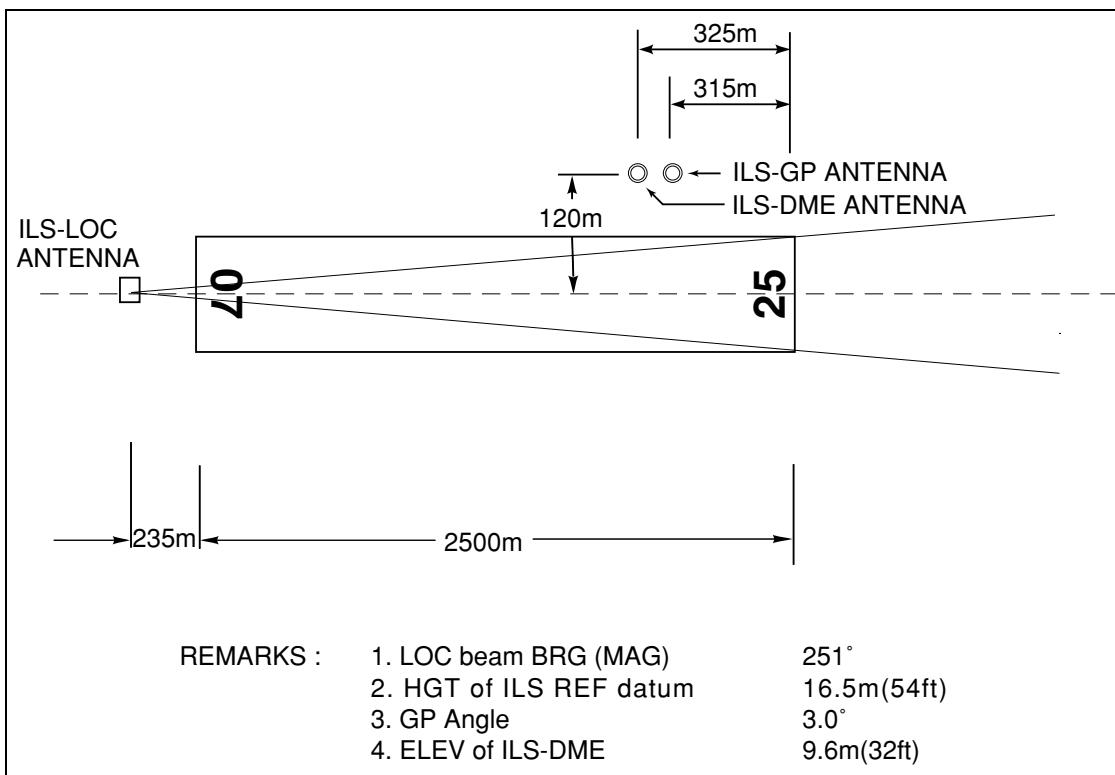
- |                     |                      |
|---------------------|----------------------|
| (1) 352053N1334353E | (7) 345939N1325649E  |
| (2) 350734N1330203E | (8) 353546N1331150E  |
| (3) 352311N1333110E | (9) 354209N1334218E  |
| (4) 351212N1330506E | (10) 360049N1333325E |
| (5) 353507N1334527E | (11) 354745N1335107E |
| (6) 355055N1324226E | (12) 360244N1330336E |

## 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 (8°W / 2020)	YGE	117.3MHz	H24	353004.96N/ 1331525.94E		VOR unusable: 360°-020° beyond 35nm BLW 4000ft. 120°-130° beyond 25nm BLW 8000ft. 290°-310° beyond 35nm BLW 4000ft. 330°-340° beyond 35nm BLW 4000ft.
DME	YGE	1207MHz (CH-120X)	H24	353004.96N/ 1331525.94E	43ft	DME unusable: 360°-040° beyond 35nm BLW 4000ft. 040°-060° beyond 30nm BLW 3000ft. 110°-120° beyond 35nm BLW 7000ft. 120°-130° beyond 25nm BLW 8000ft. 280°-310° beyond 25nm BLW 4000ft. 320°-330° beyond 25nm BLW 4000ft. 330°-340° beyond 30nm BLW 4000ft. 340°-350° beyond 25nm BLW 4000ft. 350°-360° beyond 20nm BLW 4000ft.
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	210(201)	750	460(447)	1600	
B			530(517)		
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	231(211)	750	460(447)	1600	
B			530(517)		
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	910(897)	1500	910(897)	1600	
B				2400	
C				3200	
D					

ASR RWY 25

MINIMA		THR ELEV:20		AD ELEV: 13	
CAT			CIRCLING		
	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	600(587)	1200	1000	600(587)	1600
B			1200		
C			2400		
D			1600		

**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 YGE 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

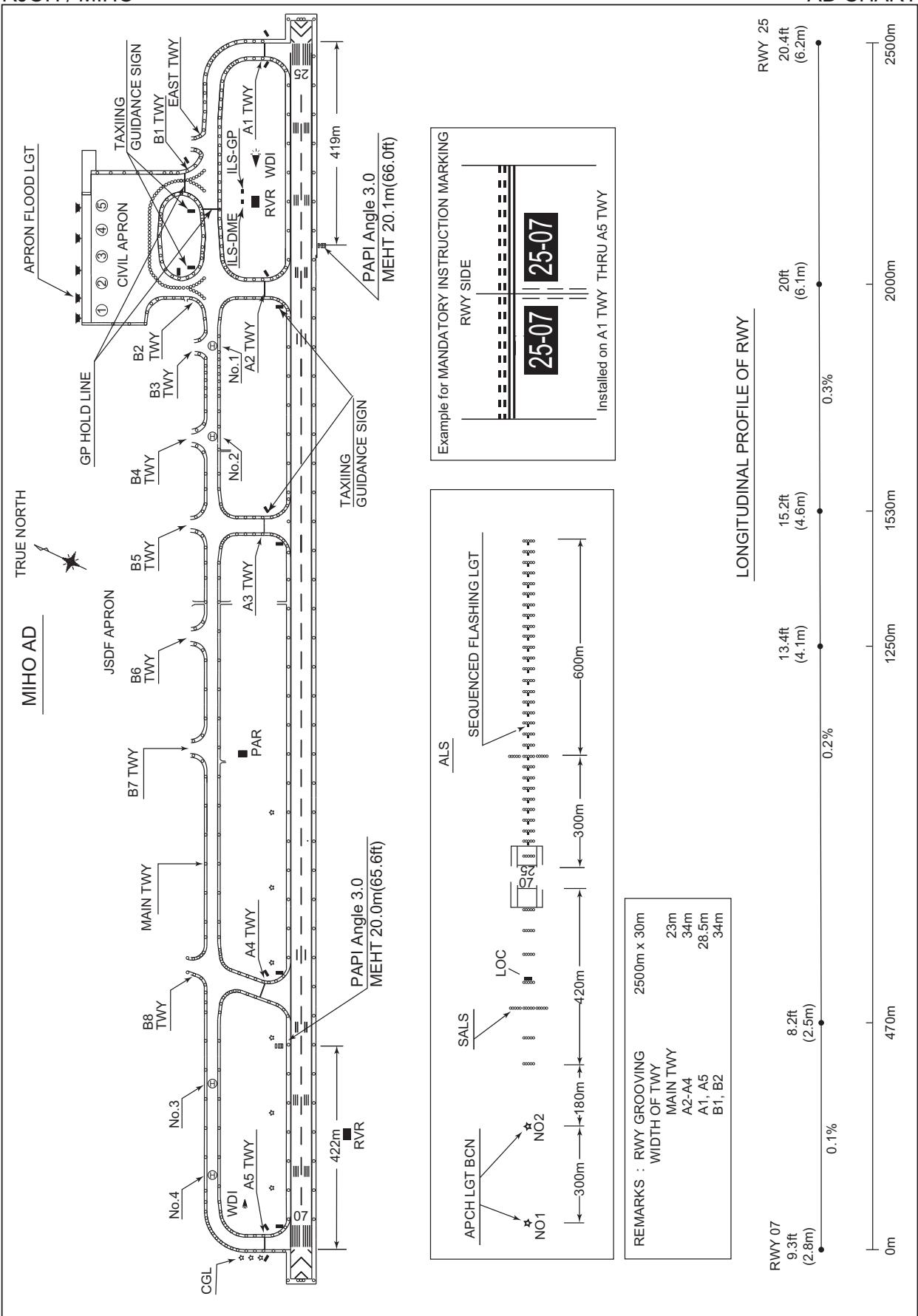
Aerodrome/Heliport Chart  
Standard Departure Chart - Instrument (MIHO)  
Standard Departure Chart - Instrument (YONAGO)  
Standard Departure Chart - Instrument (INABA)  
Standard Departure Chart - Instrument (SOUTH)  
Standard Departure Chart - Instrument (DOZEN)  
Standard Departure Chart - Instrument (STAGE-RNAV)  
Standard Departure Chart - Instrument (USAGI-RNAV)  
Standard Departure Chart - Instrument (KITARO-RNAV)  
Standard Arrival Chart - Instrument (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 RWY25)  
Instrument Approach Chart (VOR RWY07)  
Instrument Approach Chart (TACAN A)  
Instrument Approach Chart (RNP Z RWY07)  
Instrument Approach Chart (RNP Y RWY07(AR))  
Other Chart (MVA CHART)

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RJOH / MIHO

AD CHART

CHANGE : TWY B7 established.



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, ...**

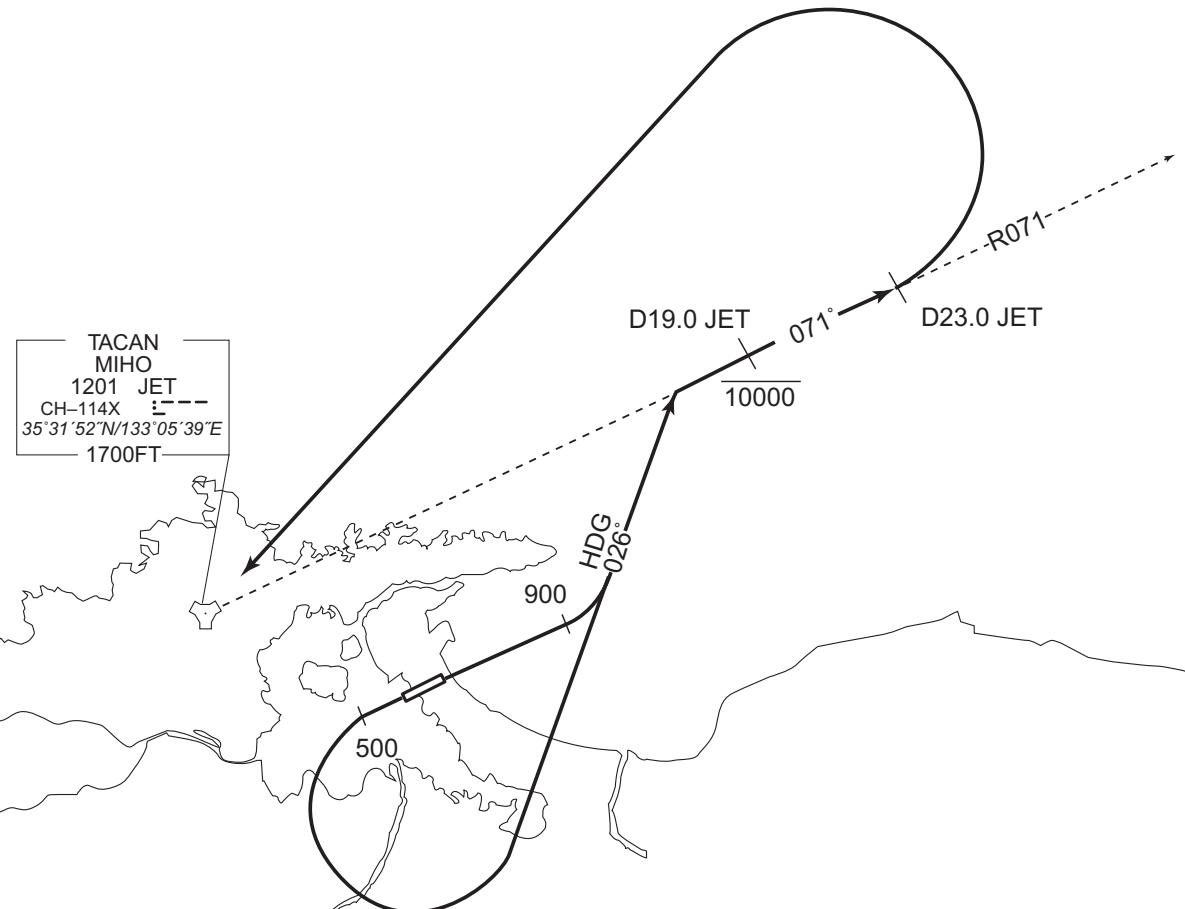
...turn left HDG026° to intercept and proceed via JET R071 to JET 23.0DME, turn left direct to JET TACAN.

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.

CHANGE : Description of PROC name.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID

YONAGO REVERSAL SEVEN DEPARTURE

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

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

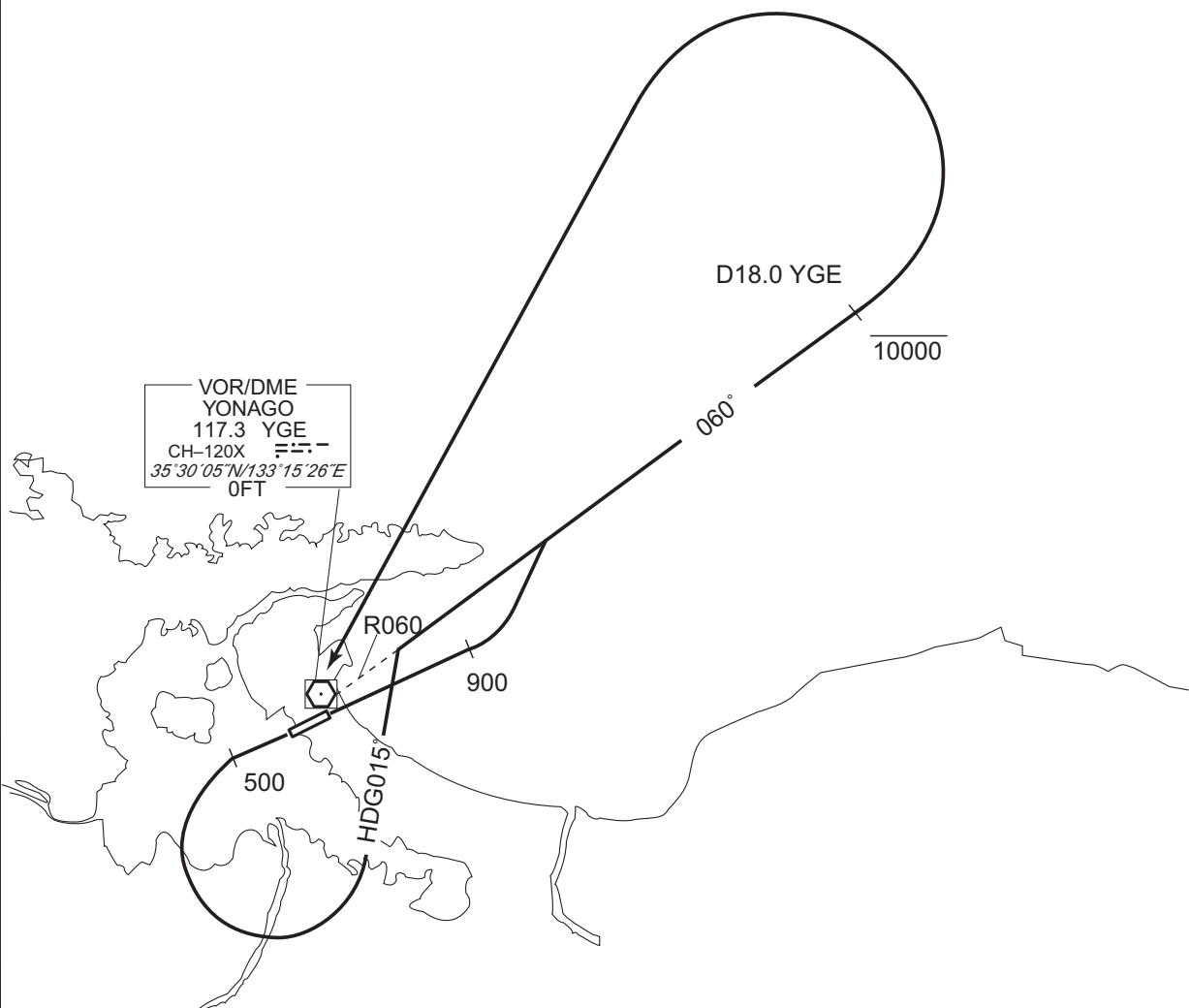
... to intercept and proceed via YGE R060 to YGE 18.0DME, turn left direct to YGE VOR/DME.

Cross YGE R060/18.0DME at or below 10000FT.

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

OBST ALT 1116FT located at 6.1NM 213° FM end of RWY25.

CHANGE : Description of PROC name.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJOH / MIHO

SID and TRANSITION

INABA FIVE DEPARTURE

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

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

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

Cross YGE R060/18.0DME (TRE R295) at or below 10000FT.

Cross INABA at or above 8000FT.

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

OBST ALT 1116FT located at 6.1NM 213° FM end of RWY25.

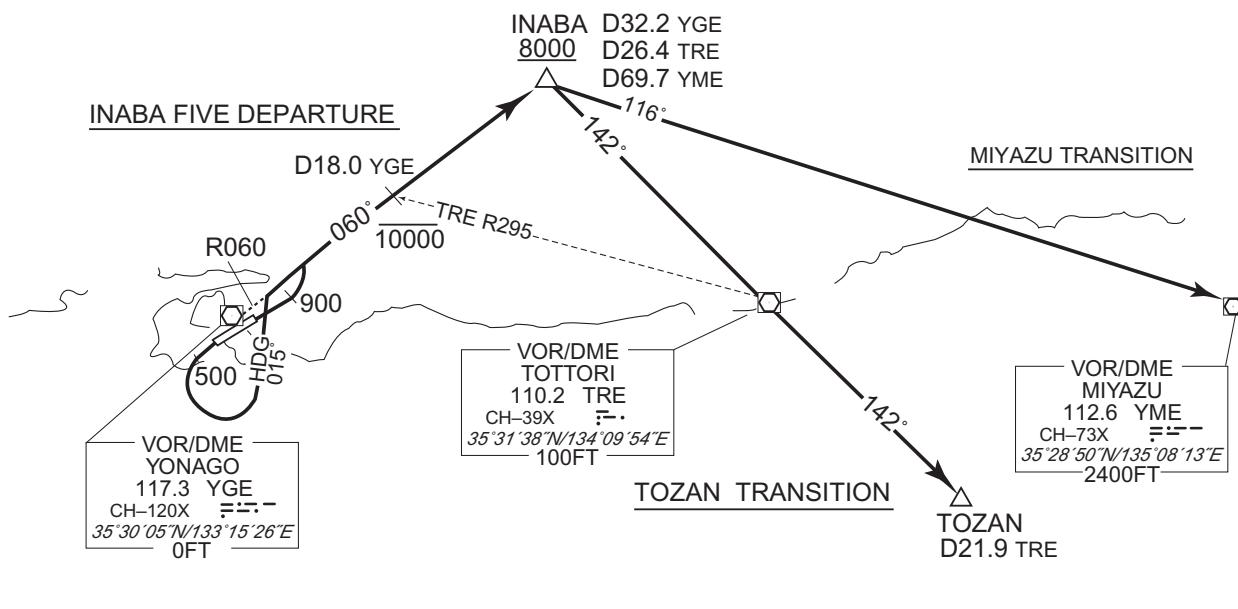
TOZAN TRANSITION

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.

CHANGE : SID. Note RWY25(OBST). YONAGO VOR/DME.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID and TRANSITON

SOUTH EIGHT DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn right HDG220° ...

RWY25 : Climb RWY HDG to 500FT, turn left HDG130° ...

... to intercept and proceed via YGE R175 to NIIMI.

Cross YGE R175/12.5DME at or below 10000FT,

Cross NIIMI at or above 6000FT.

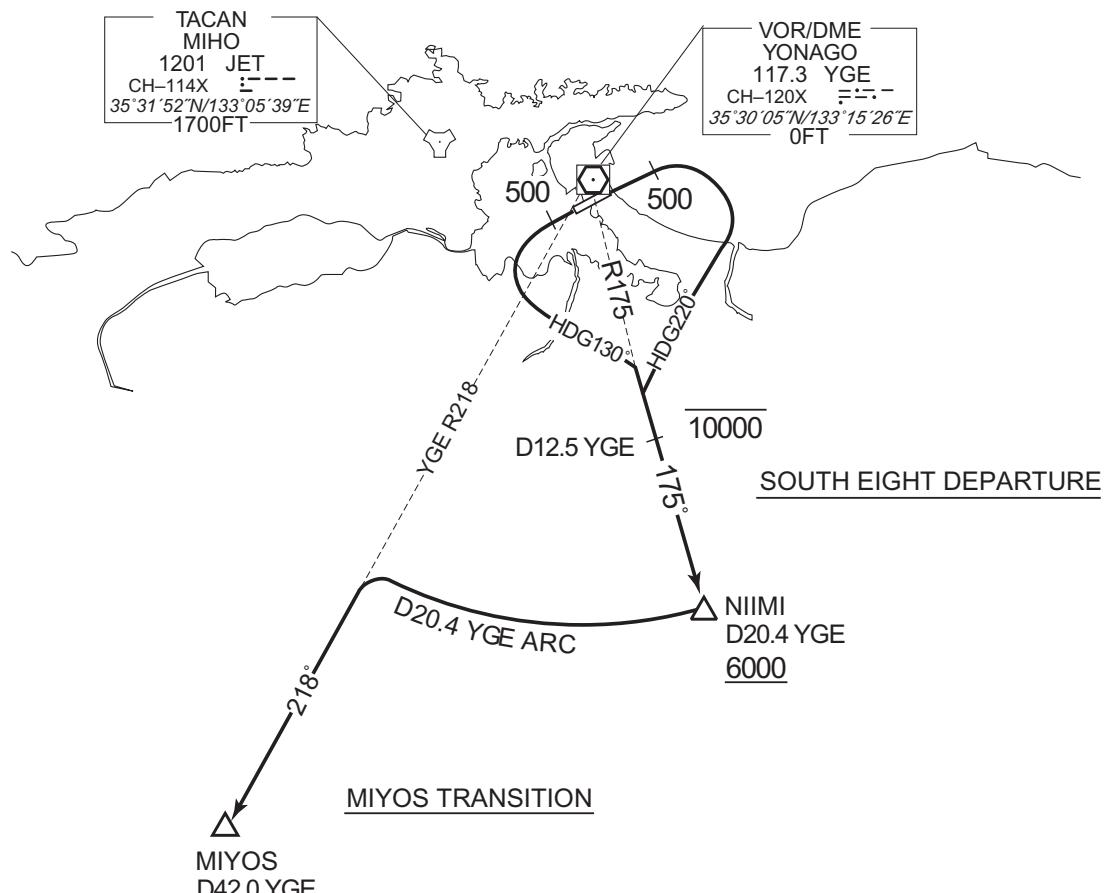
Note RWY25 : 5.0% climb gradient required up to 700FT.

OBST ALT 1116FT located at 6.1NM 213° FM end of RWY25.

MIYOS TRANSITION

From over NIIMI, proceed via YGE 20.4DME clockwise ARC to intercept and proceed via YGE R218 to MIYOS.

CHANGE : SID. Note RWY25(OBST). TRANSITION YONAGO VOR/DME.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

SID

DOZEN SIX DEPARTURE

RWY 07 : Climb RWY HDG to 1000FT, turn left HDG322°...

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

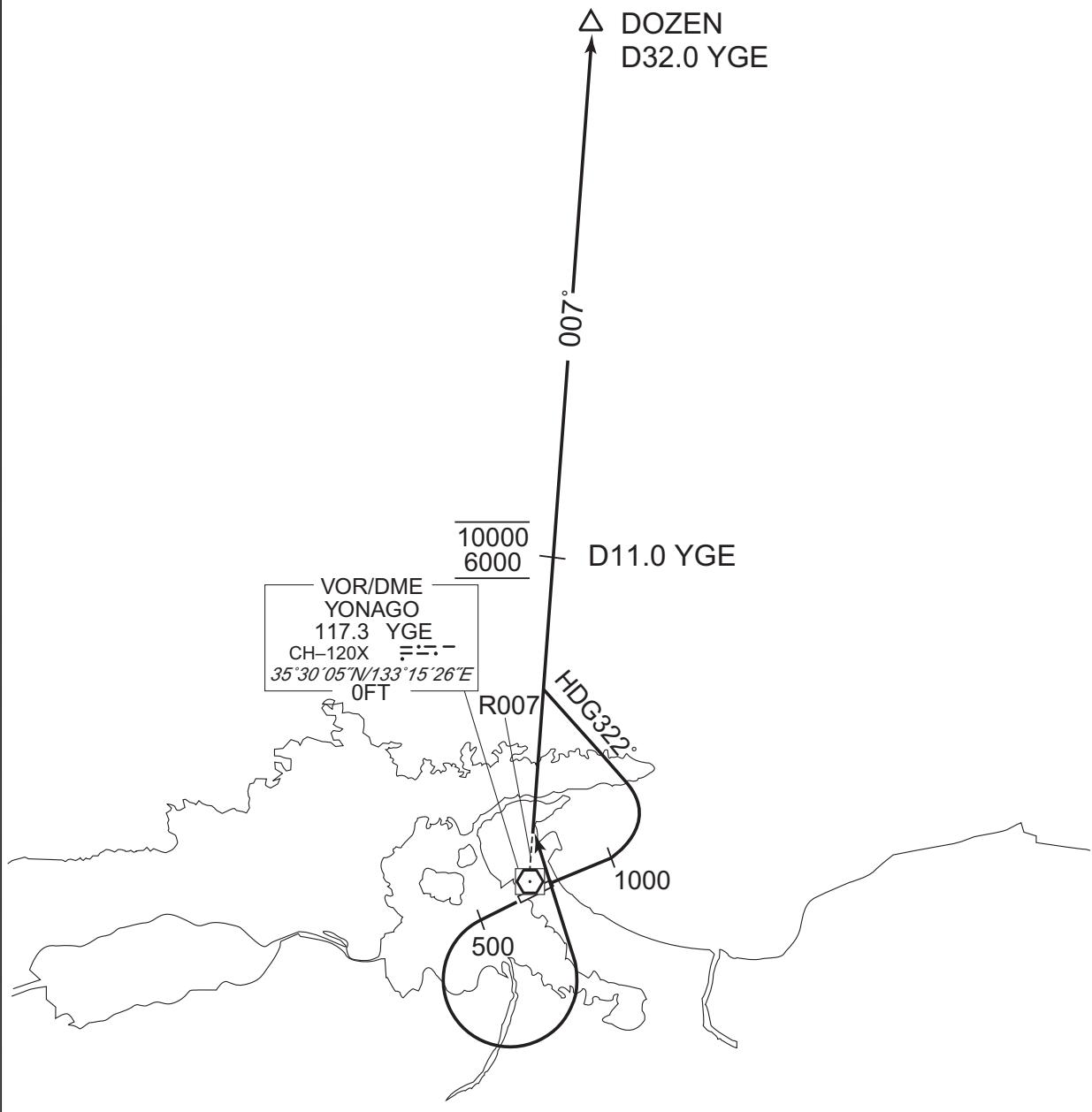
... to intercept and proceed via YGE R007 to DOZEN.

Cross YGE R007/11.0DME between 6000FT and 10000FT.

Note RWY25 : 5.0% climb gradient required up to 1000FT.

OBST ALT 1182FT located at 4.3NM 016° FM end of RWY25.

CHANGE : Description of PROC name.



## STANDARD DEPARTURE CHART - INSTRUMENT

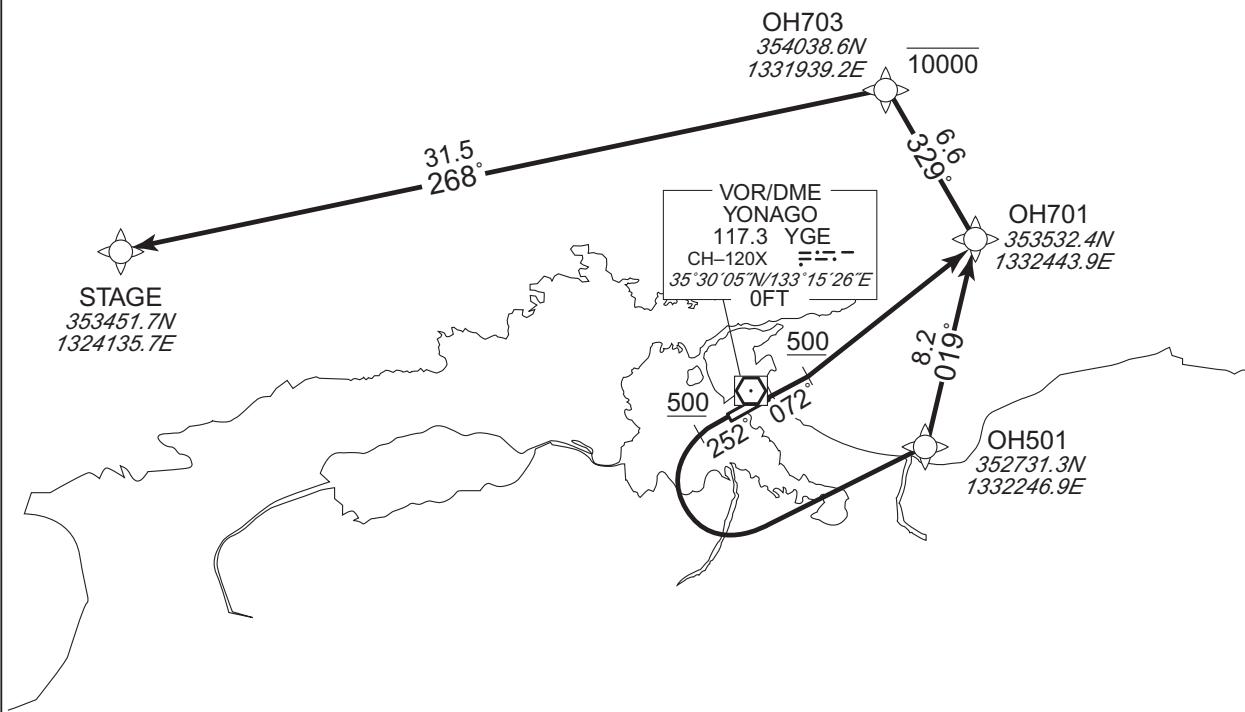
RJOH / MIHO

RNAV SID

STAGE TWO 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.	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
2 ) RADAR service required.	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

CHANGE : Description of VAR and PROC name.



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

RWY25 : Climb on HDG252° 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 6.2NM 214° FM end of RWY25.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

STAGE TWO 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)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	OH703	—	329 (321.1)	-8.3	6.6	—	-10000	—	—	RNAV1
004	TF	STAGE	—	268 (259.6)	-8.3	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	—	—	252 (243.9)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH501	—	—	-8.3	—	L	—	—	—	RNAV1
003	TF	OH701	—	019 (011.2)	-8.3	8.2	—	—	—	—	RNAV1
004	TF	OH703	—	329 (321.1)	-8.3	6.6	—	-10000	—	—	RNAV1
005	TF	STAGE	—	268 (259.6)	-8.3	31.5	—	—	—	—	RNAV1

CHANGE : VAR, PROC renamed,PROC course.

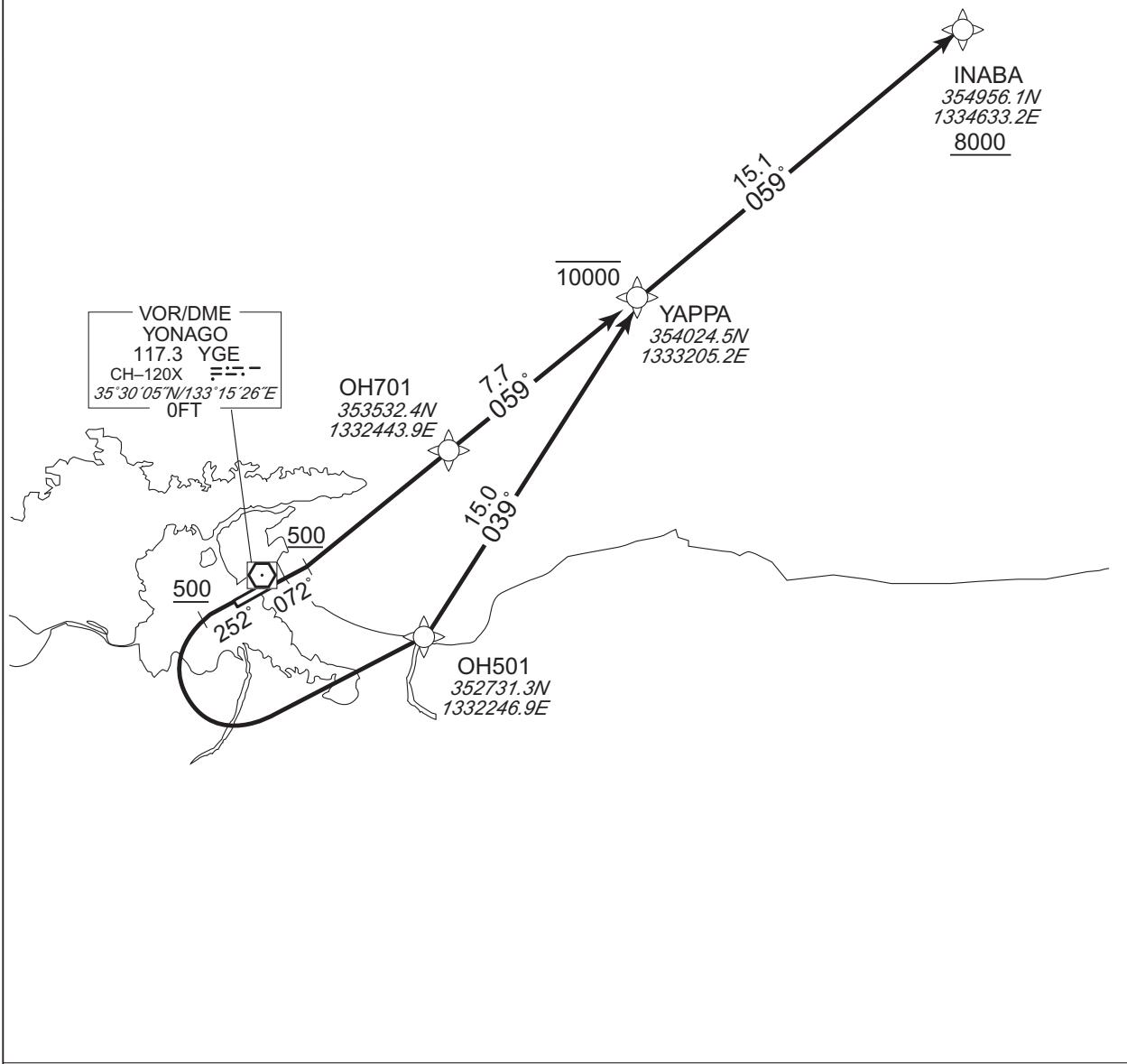
## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

USAGI TWO 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.	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
2 ) RADAR service required.	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



CHANGE : Description of VAR and PROC name.

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

RWY25 : Climb on HDG252° 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 6.2NM 214° FM end of RWY25.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

USAGI TWO 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)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	YAPPA	—	059 (050.8)	-8.3	7.7	—	-10000	—	—	RNAV1
004	TF	INABA	—	059 (050.9)	-8.3	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	—	—	252 (243.9)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH501	—	—	-8.3	—	L	—	—	—	RNAV1
003	TF	YAPPA	—	039 (030.4)	-8.3	15.0	—	-10000	—	—	RNAV1
004	TF	INABA	—	059 (050.9)	-8.3	15.1	—	+8000	—	—	RNAV1

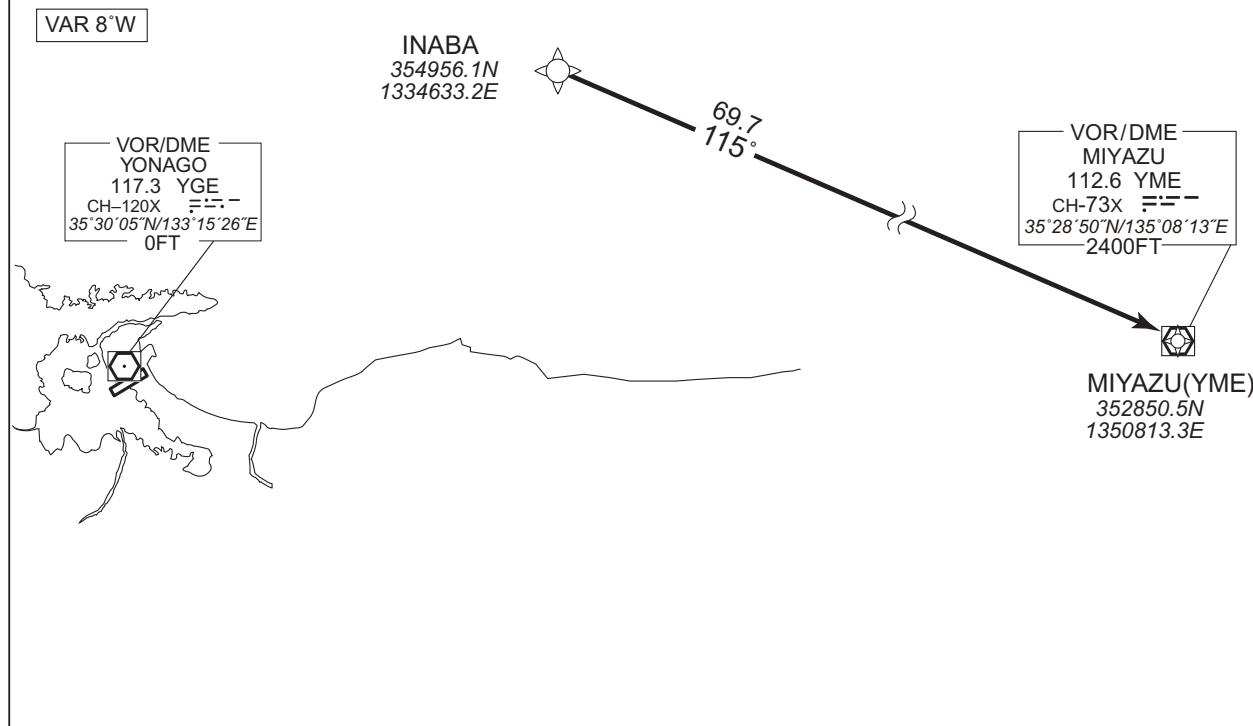
CHANGE : VAR. PROC renamed.PROC course.

## 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 : 42.0NM to YME - 40.0NM to YME STD : 5.0NM to YME - 1.0NM to YME
	DME GAP	26.0NM to YME - 25.0NM to YME
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



From INABA, to YME.

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	—	—	-8.3	—	—	—	—	—	RNAV1
002	TF	YME	—	115 (107.2)	-8.3	69.7	—	—	—	—	RNAV1

CHANGE : Critical DME, DME GAP.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO		RNAV TRANSITION																																																	
KOMATSU TRANSITION																																																			
NOTE 1 ) DME/DME/IRU or GNSS required. 2 ) RADAR service required.		Critical DME	—																																																
		DME GAP	—																																																
		Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1																																																
<p>VAR 8°W</p> <p>The chart shows a departure route starting at INABA (354956.1N, 1334633.2E) at 8000ft, flying 15.1 NM on course 098° to KUMIK (354959.9N, 1340510.3E) at FL160. From KUMIK, the route turns 117.4° to 081°, flying 11.7 NM to KOMATSU (KMC) (362347.3N, 1362415.3E). A VORTAC station, VORTAC KOMATSU (112.0 KMC, CH-57X), is located along the route. The map also shows the coastline of Japan.</p>																																																			
<p>From INABA at or above 8000FT, to KUMIK at or above FL160, to KMC.</p> <table border="1"> <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>INABA</td> <td>—</td> <td>098</td> <td>-8.3</td> <td>—</td> <td>—</td> <td>+8000</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>KUMIK</td> <td>—</td> <td>(089.7)</td> <td>-8.3</td> <td>15.1</td> <td>—</td> <td>+FL160</td> <td>—</td> <td>—</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>KMC</td> <td>—</td> <td>(072.6)</td> <td>-8.3</td> <td>117.4</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNAV1</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	INABA	—	098	-8.3	—	—	+8000	—	—	RNAV1	002	TF	KUMIK	—	(089.7)	-8.3	15.1	—	+FL160	—	—	RNAV1	003	TF	KMC	—	(072.6)	-8.3	117.4	—	—	—	—	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	INABA	—	098	-8.3	—	—	+8000	—	—	RNAV1																																								
002	TF	KUMIK	—	(089.7)	-8.3	15.1	—	+FL160	—	—	RNAV1																																								
003	TF	KMC	—	(072.6)	-8.3	117.4	—	—	—	—	RNAV1																																								
CHANGE : Critical DME deleted.																																																			

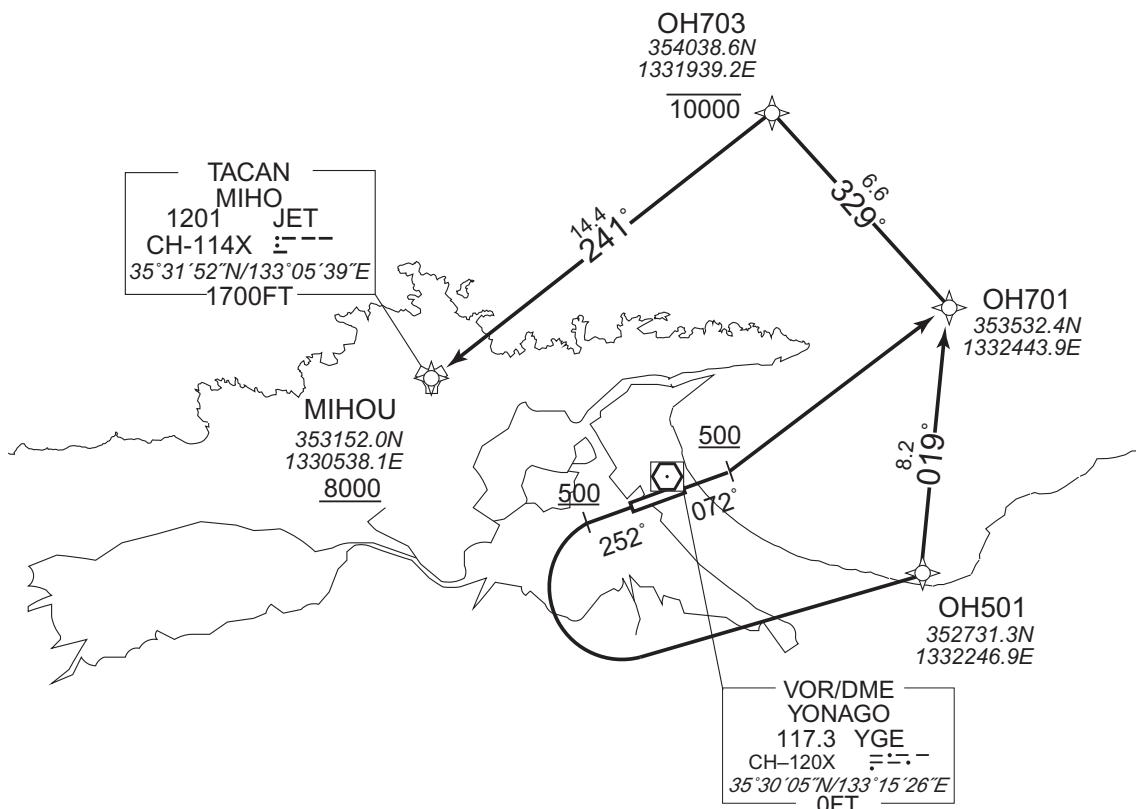
## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

KITARO TWO 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



CHANGE : Description of VAR and PROC name.

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 6.2NM 214° FM end of RWY25.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

KITARO TWO 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)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	OH703	—	329 (321.1)	-8.3	6.6	—	-10000	—	—	RNAV1
004	TF	MIHOU	—	241 (232.5)	-8.3	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)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH501	—	—	-8.3	—	L	—	—	—	RNAV1
003	TF	OH701	—	019 (011.2)	-8.3	8.2	—	—	—	—	RNAV1
004	TF	OH703	—	329 (321.1)	-8.3	6.6	—	-10000	—	—	RNAV1
005	TF	MIHOU	—	241 (232.5)	-8.3	14.4	—	+8000	—	—	RNAV1

CHANGE : VAR. PROC renamed. Course FM OH703 to MIHOU.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO	GAINA EAST ARRIVAL	RNAV STAR RWY25 RNAV1																																				
Note 1 ) DME/DME/IRU or GNSS required. 2 ) RADAR service required.																																						
VAR 8°W																																						
<p>From RAKDA, to GAINA at or above 4000FT.</p> <table border="1"> <tr> <td>Critical DME</td><td>OIE : RAKDA - 5.7NM to GAINA 3.7NM to GAINA - 1.7NM to GAINA</td></tr> <tr> <td>DME GAP</td><td>-</td></tr> <tr> <td>Inappropriate Navaids</td><td>See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1</td></tr> </table>			Critical DME	OIE : RAKDA - 5.7NM to GAINA 3.7NM to GAINA - 1.7NM to GAINA	DME GAP	-	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1																														
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Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1																																					
<table border="1"> <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>RAKDA</td><td>—</td><td>—</td><td>-8.3</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>RNAV1</td></tr> <tr> <td>002</td><td>TF</td><td>GAINA</td><td>—</td><td>321 (312.7)</td><td>-8.3</td><td>7.7</td><td>—</td><td>+4000</td><td>—</td><td>—</td><td>RNAV1</td></tr> </tbody> </table> <p>CHANGE : HLDG pattern abolished.</p>			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	—	—	-8.3	—	—	—	—	—	RNAV1	002	TF	GAINA	—	321 (312.7)	-8.3	7.7	—	+4000	—	—	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	—	—	-8.3	—	—	—	—	—	RNAV1																											
002	TF	GAINA	—	321 (312.7)	-8.3	7.7	—	+4000	—	—	RNAV1																											

## STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

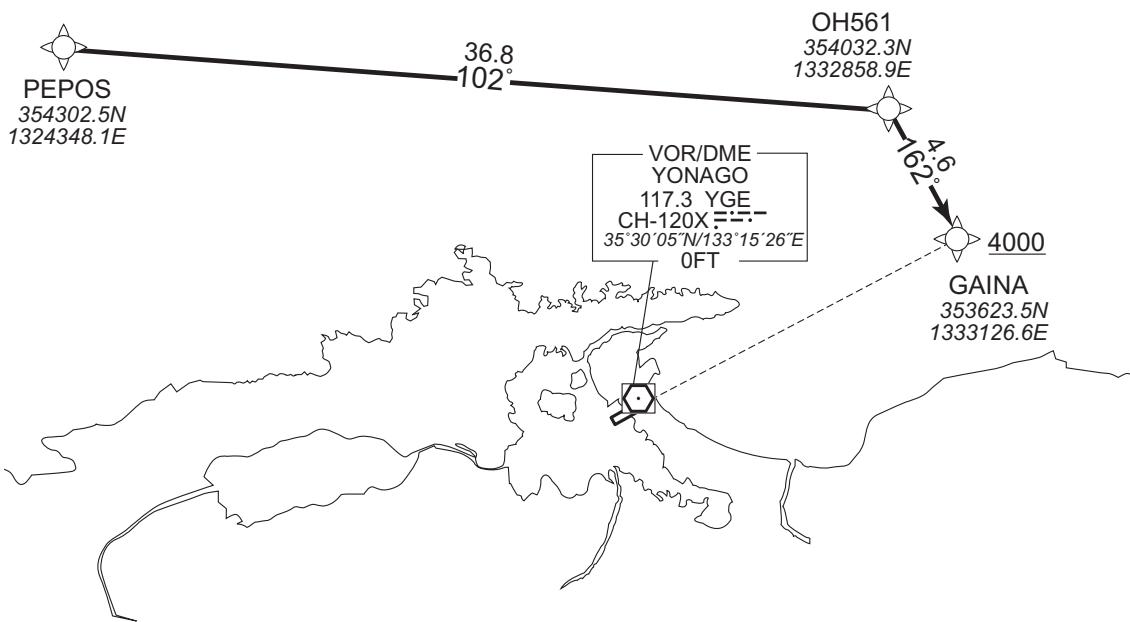
RNAV STAR RWY25

## GAINA WEST ARRIVAL

RNAV1

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

VAR 8°W



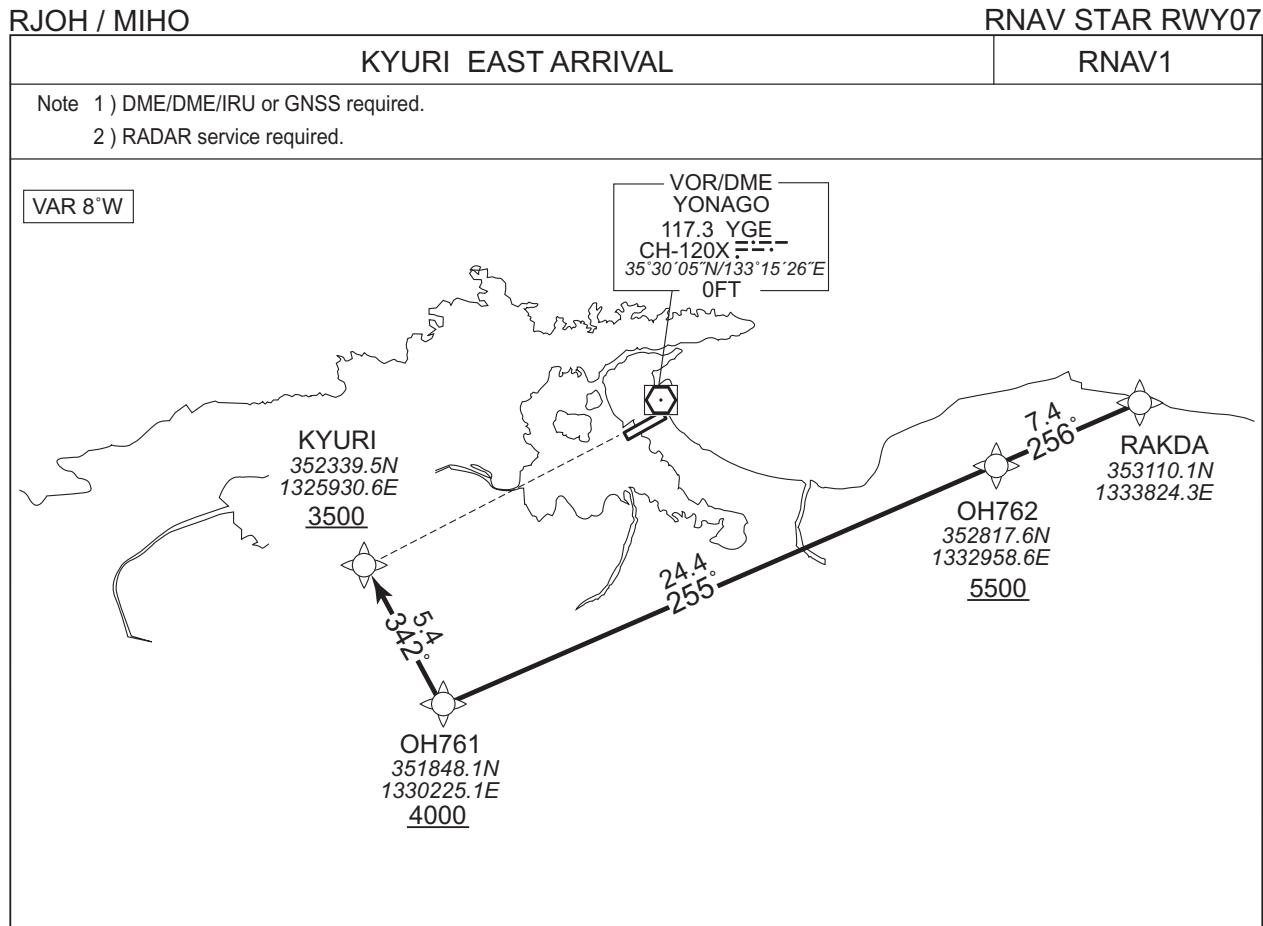
From PEPOS, to OH561, to GAINA at or above 4000FT.

Critical DME	OIE : PEPOS - 32NM to OH561
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

CHANGE : HLDG pattern abolished.

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	-	-	-8.3	-	-	-	-	-	RNAV1
002	TF	OH561	-	102 (093.7)	-8.3	36.8	-	-	-	-	RNAV1
003	TF	GAINA	-	162 (154.2)	-8.3	4.6	-	+4000	-	-	RNAV1

## STANDARD ARRIVAL CHART - INSTRUMENT



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

Critical DME	—
DME GAP	—
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

CHANGE : HLDG pattern abolished.

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	—	—	-8.3	—	—	—	—	—	RNAV1
002	TF	OH762	—	256 (247.3)	-8.3	7.4	—	+5500	—	—	RNAV1
003	TF	OH761	—	255 (247.2)	-8.3	24.4	—	+4000	—	—	RNAV1
004	TF	KYURI	—	342 (334.0)	-8.3	5.4	—	+3500	—	—	RNAV1

## STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY07

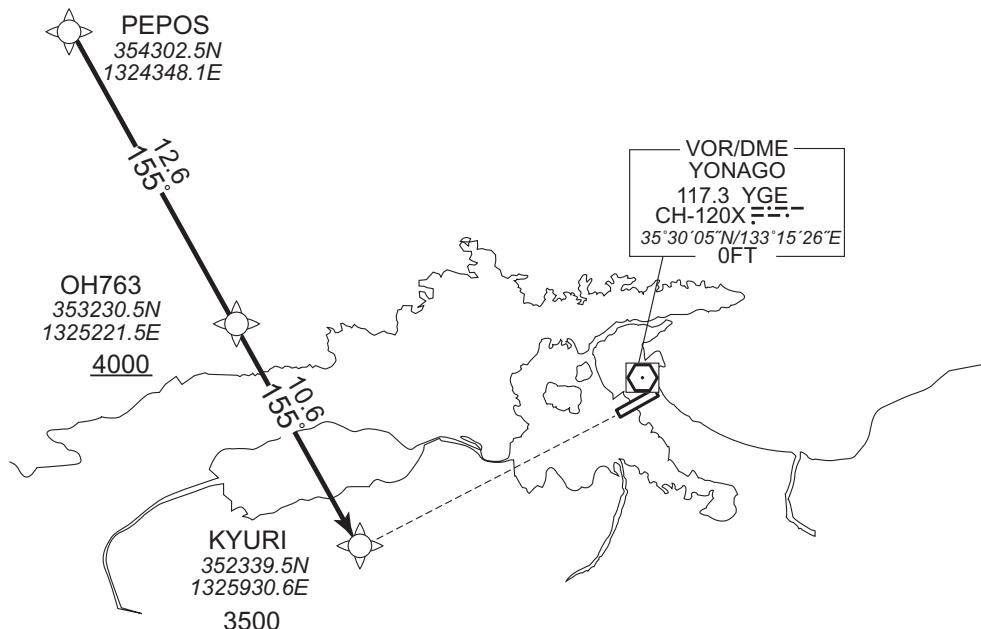
## KYURI WEST ARRIVAL

RNAV1

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

2) RADAR service required.

VAR 8°W



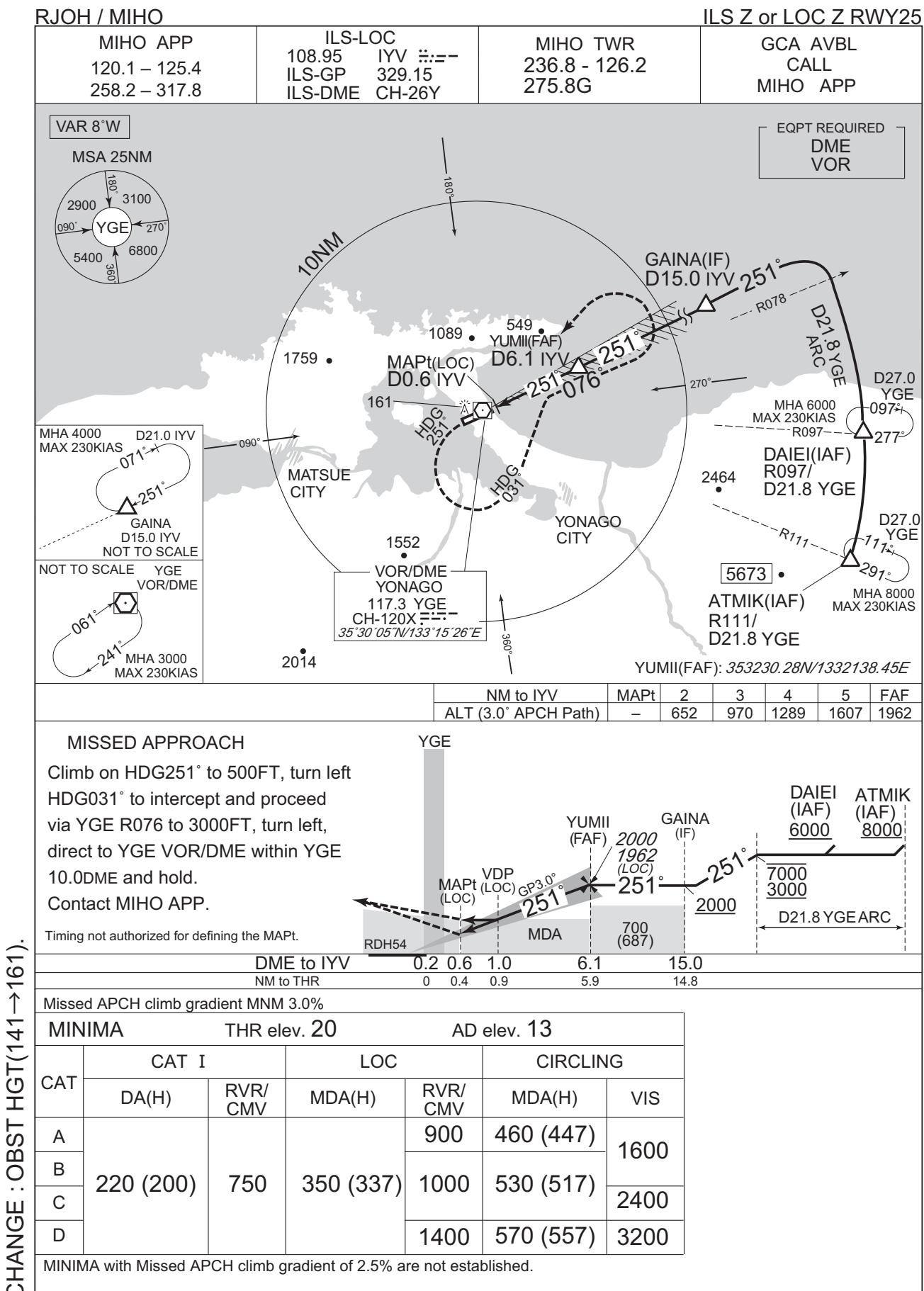
From PEPOS, to OH763 at or above 4000FT, to KYURI at or above 3500FT.

Critical DME	OIE : 3NM to KYURI - 2NM to KYURI
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

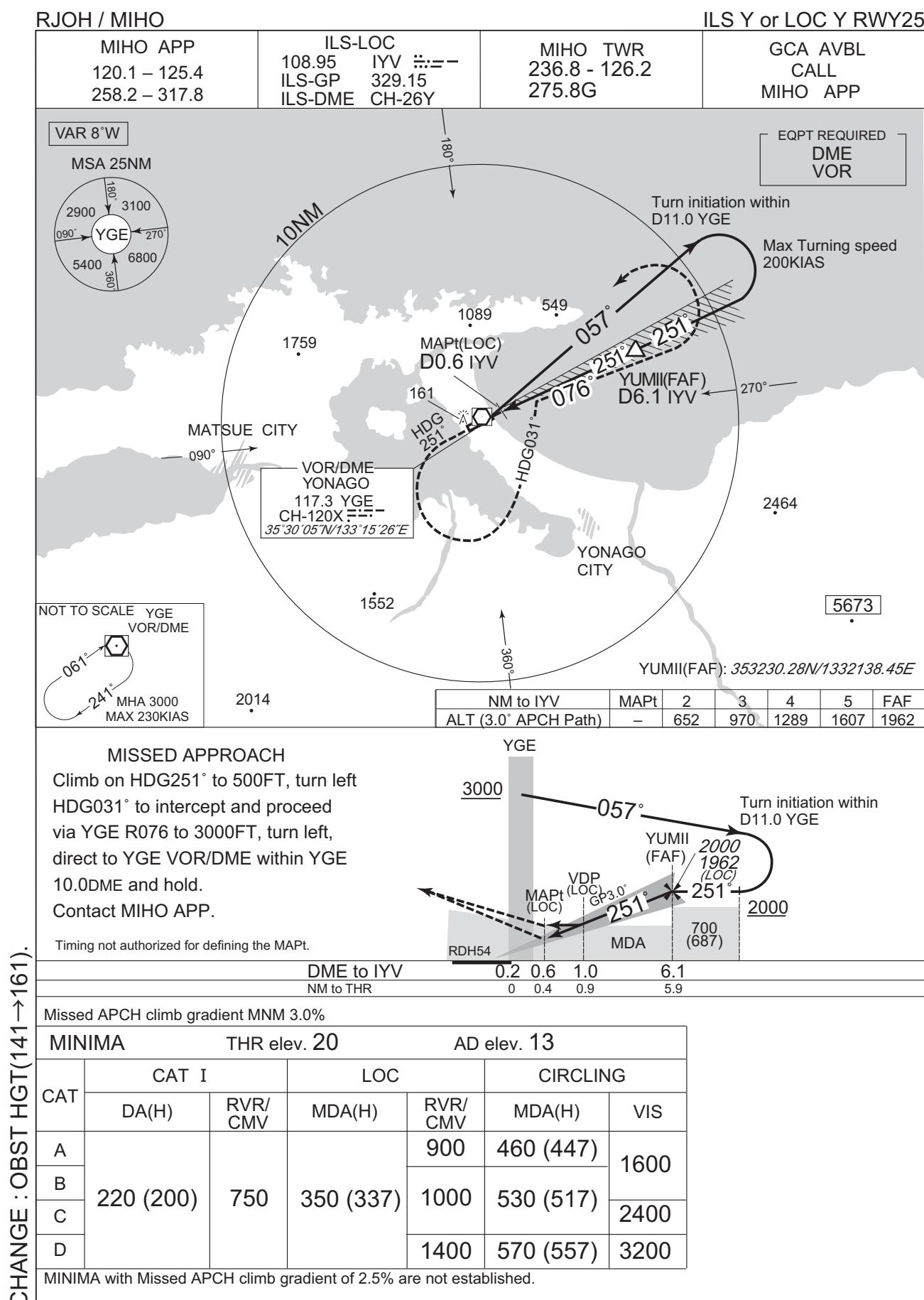
CHANGE : HLDG pattern abolished

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	—	—	-8.3	—	—	—	—	—	RNAV1
002	TF	OH763	—	155 (146.5)	-8.3	12.6	—	+4000	—	—	RNAV1
003	TF	KYURI	—	155 (146.6)	-8.3	10.6	—	+3500	—	—	RNAV1

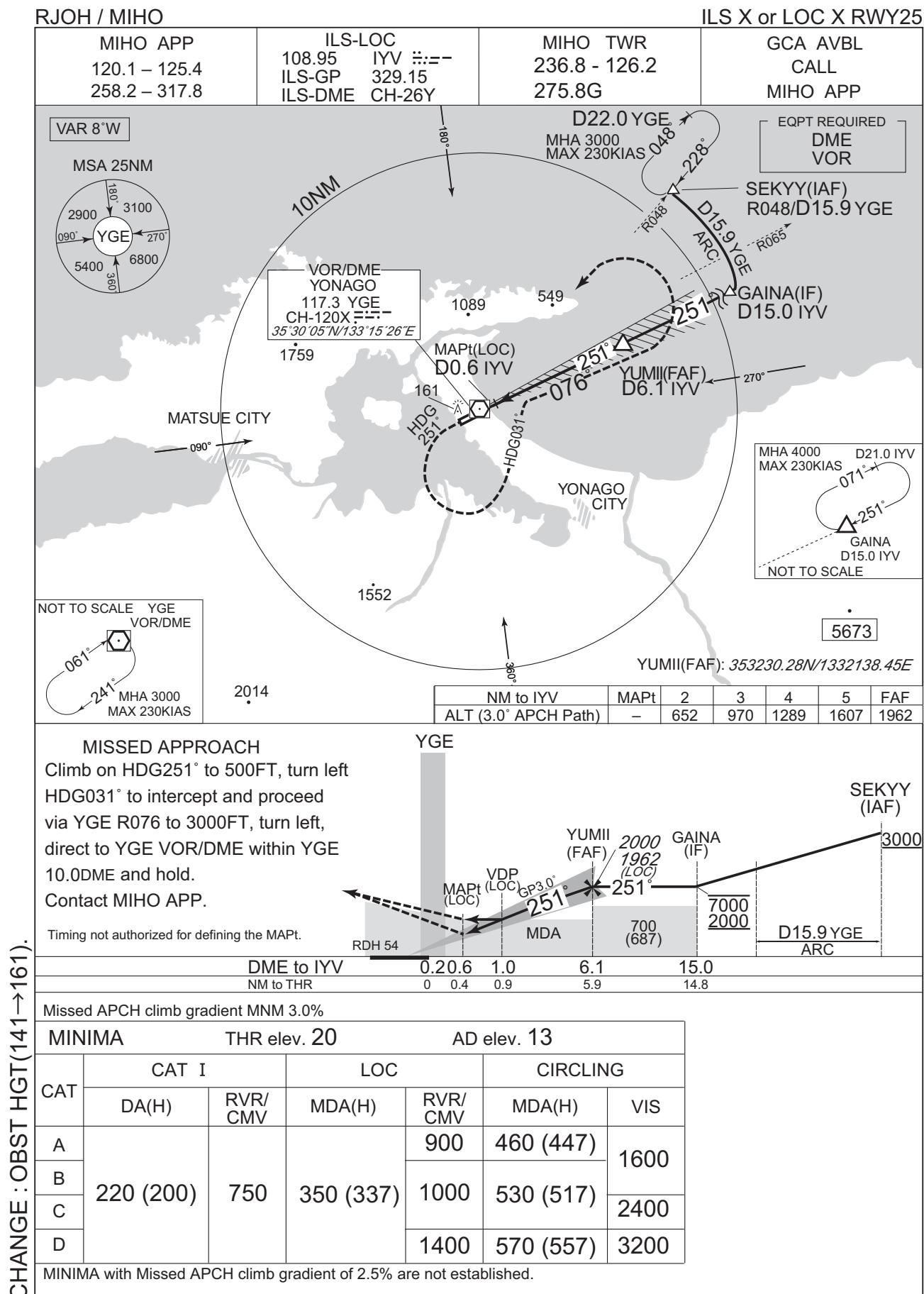
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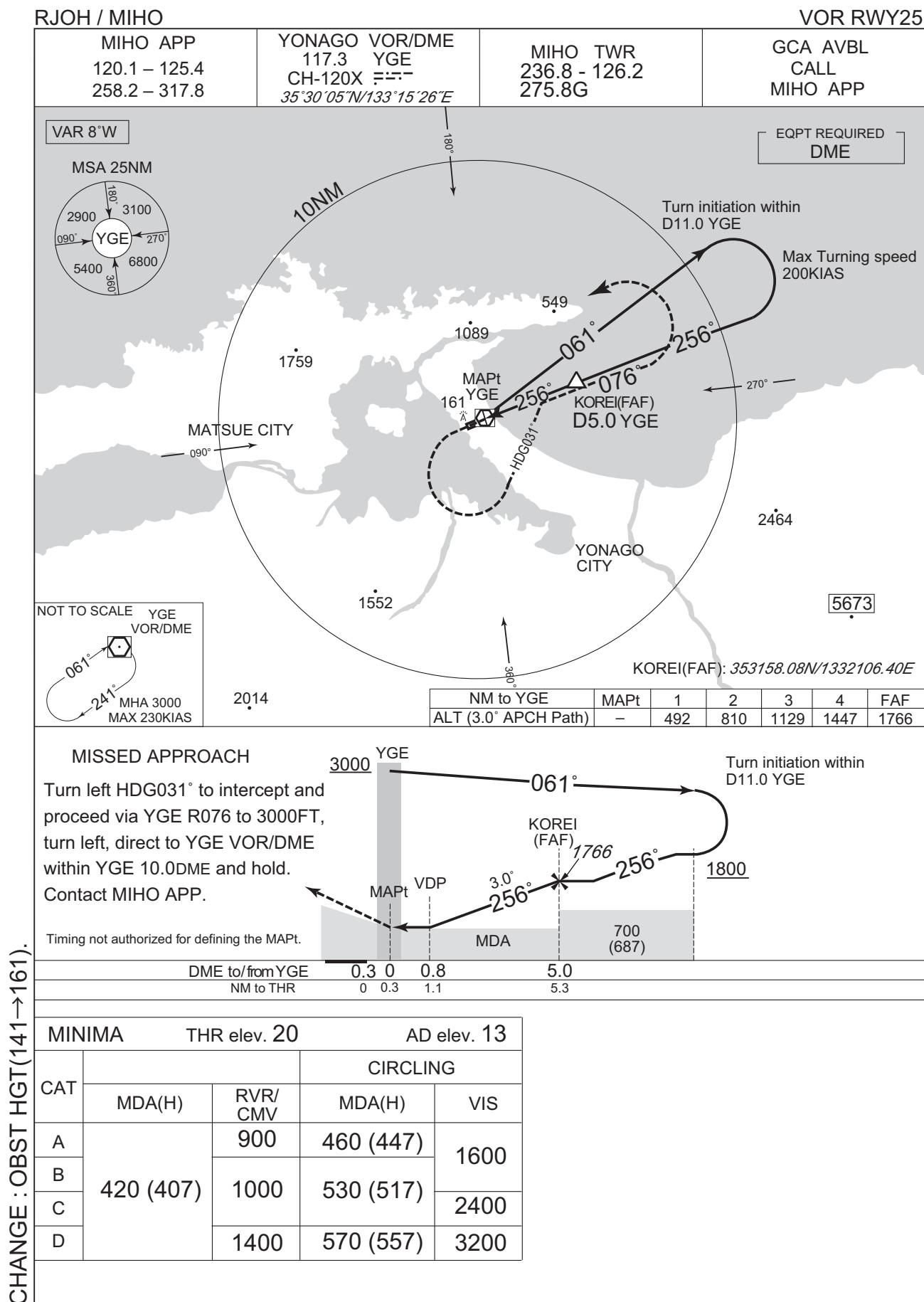
## INSTRUMENT APPROACH CHART



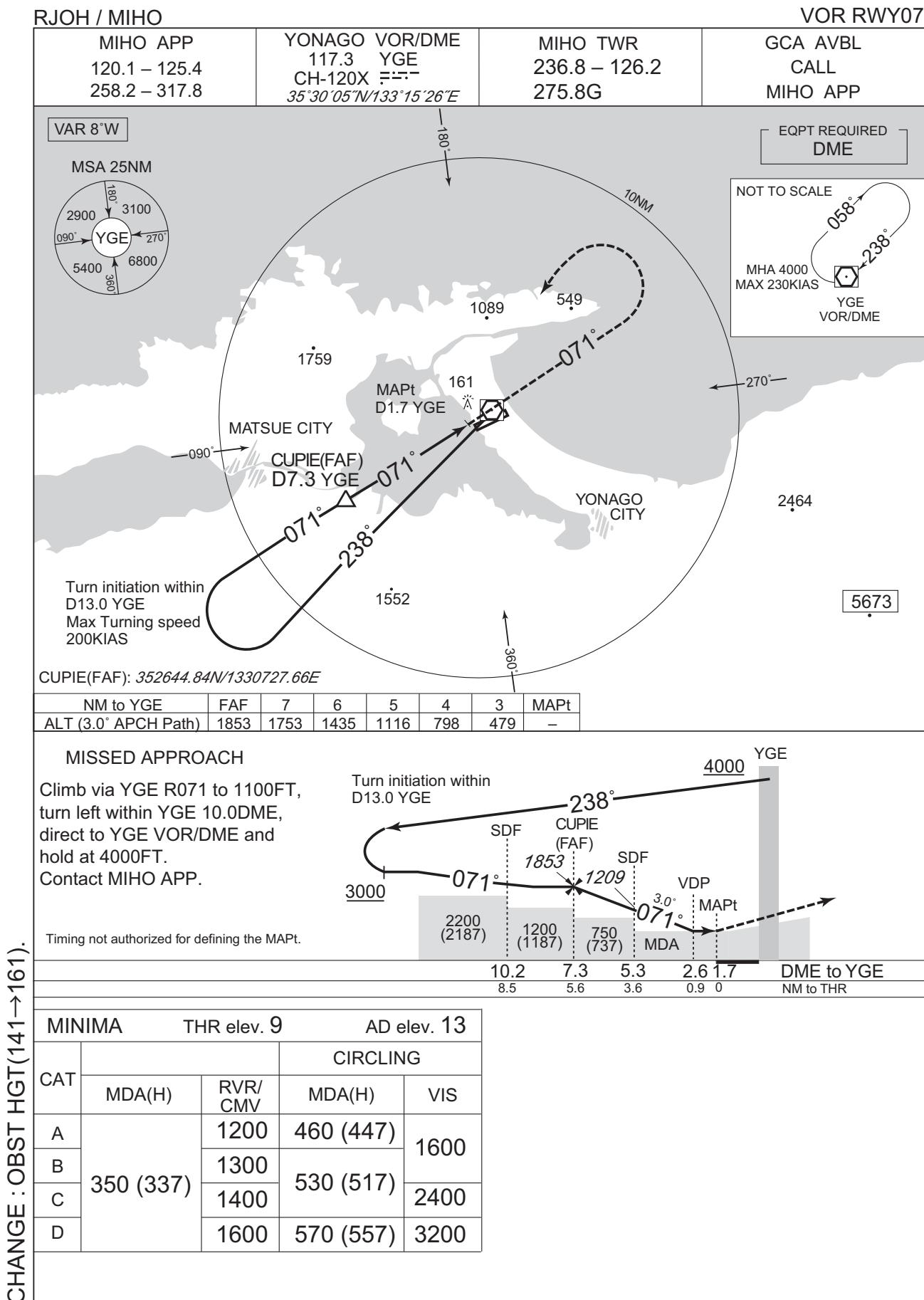
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



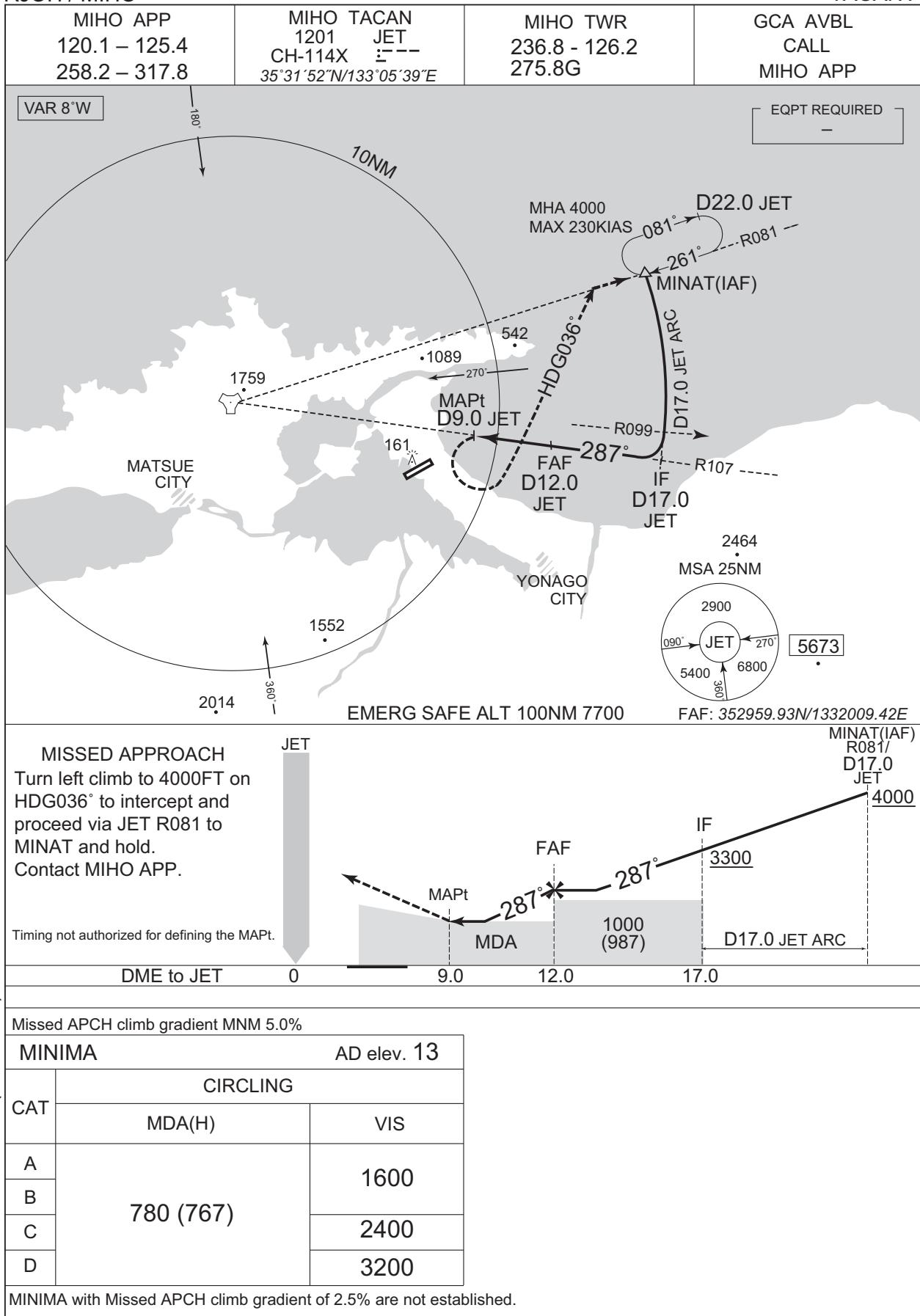
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

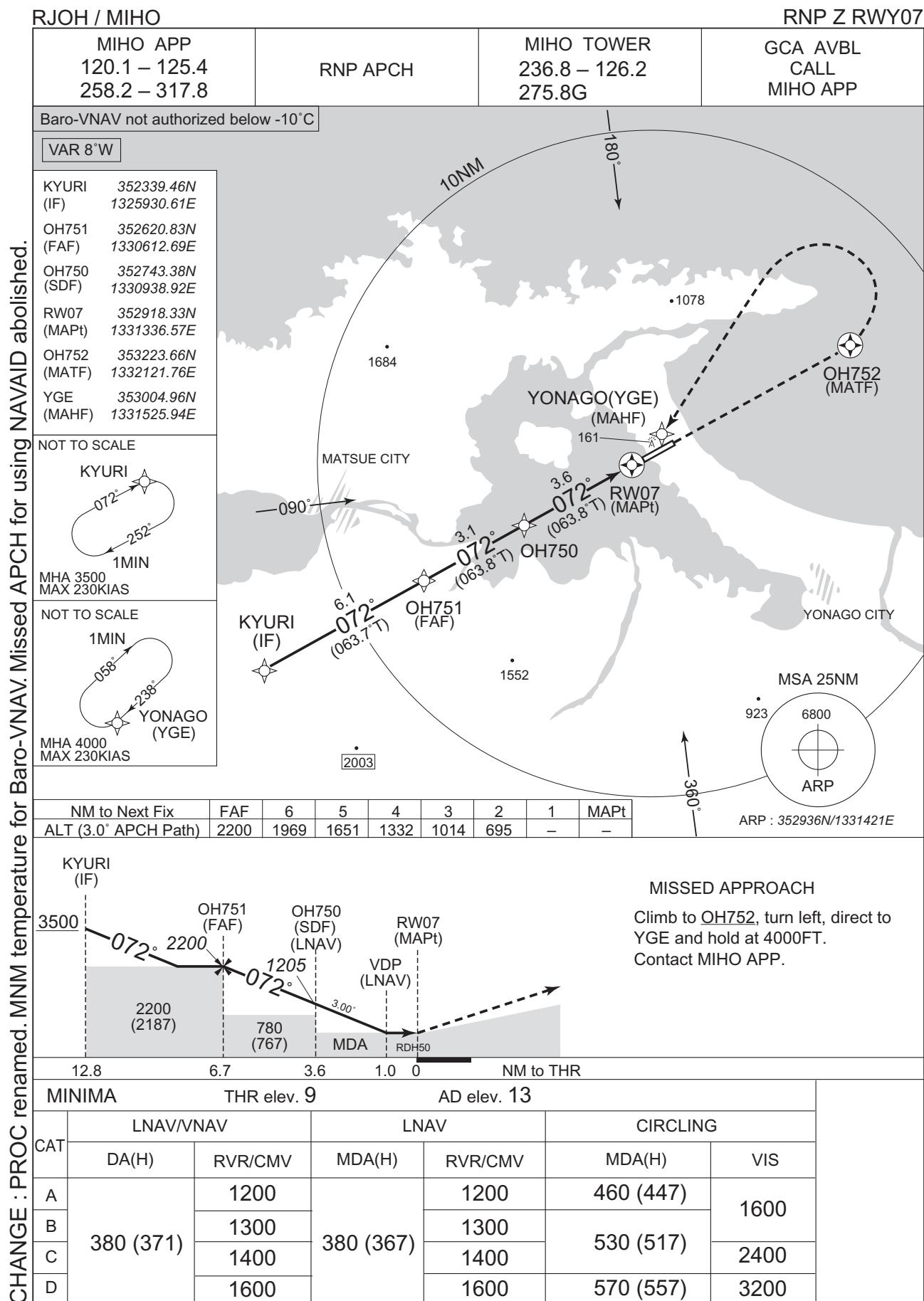
RJOH / MIHO

TACAN A



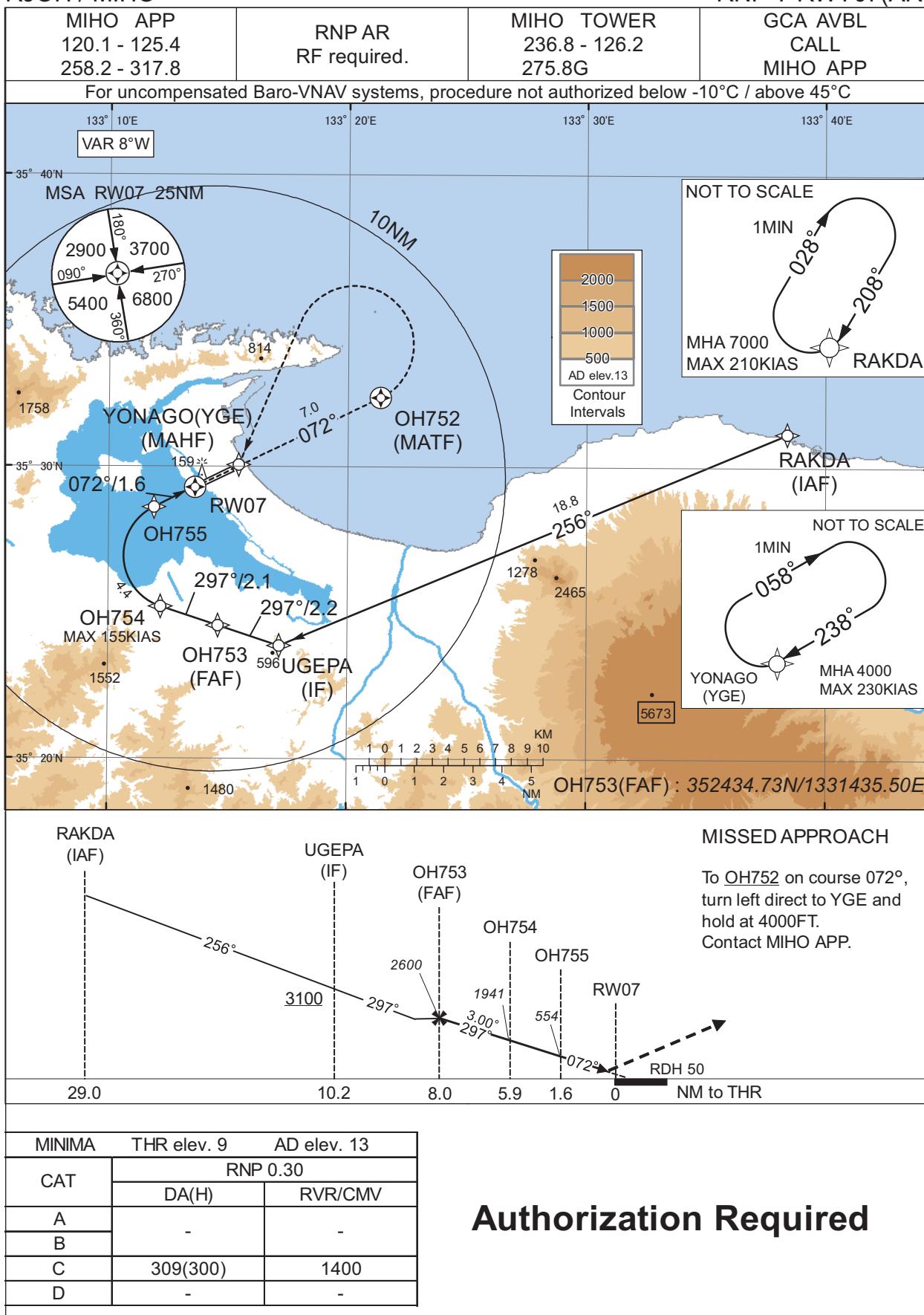
CHANGE : OBST HGT(141→161).

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJOH / MIHO



## INSTRUMENT APPROACH CHART

RJOH / MIHO

RNP Y RWY07(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	RAKDA	-	-	-8.5	-	-	-	-	-	-
002	TF	UGEPA	-	256 (247.3)	-8.5	18.8	-	+3100	-	-	0.3
003	TF	OH753	-	297 (288.2)	-8.5	2.2	-	2600	-	-	0.3
004	TF	OH754	-	297 (288.1)	-8.5	2.1	-	1941	-155	-3.00	0.3
005	RF Center: OHRF1 r=1.84NM	OH755	-	-	-8.5	4.4	R	554	-	-3.00	0.3
006	TF	RW07	Y	072 (063.9)	-8.5	1.6	-	59	-	-3.00/50	0.3
007	CF	OH752	Y	072 (063.9)	-8.5	7.0	-	-	-	-	1.0
008	DF	YGE	-	-	-8.5	-	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	RAKDA	208 (199.9)	-8.5	1.0 (-14000)	R	7000	FL140	-210 (-14000)	1.0
Hold	YGE	238 (229.7)	-8.5	1.0 (-14000)	R	4000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

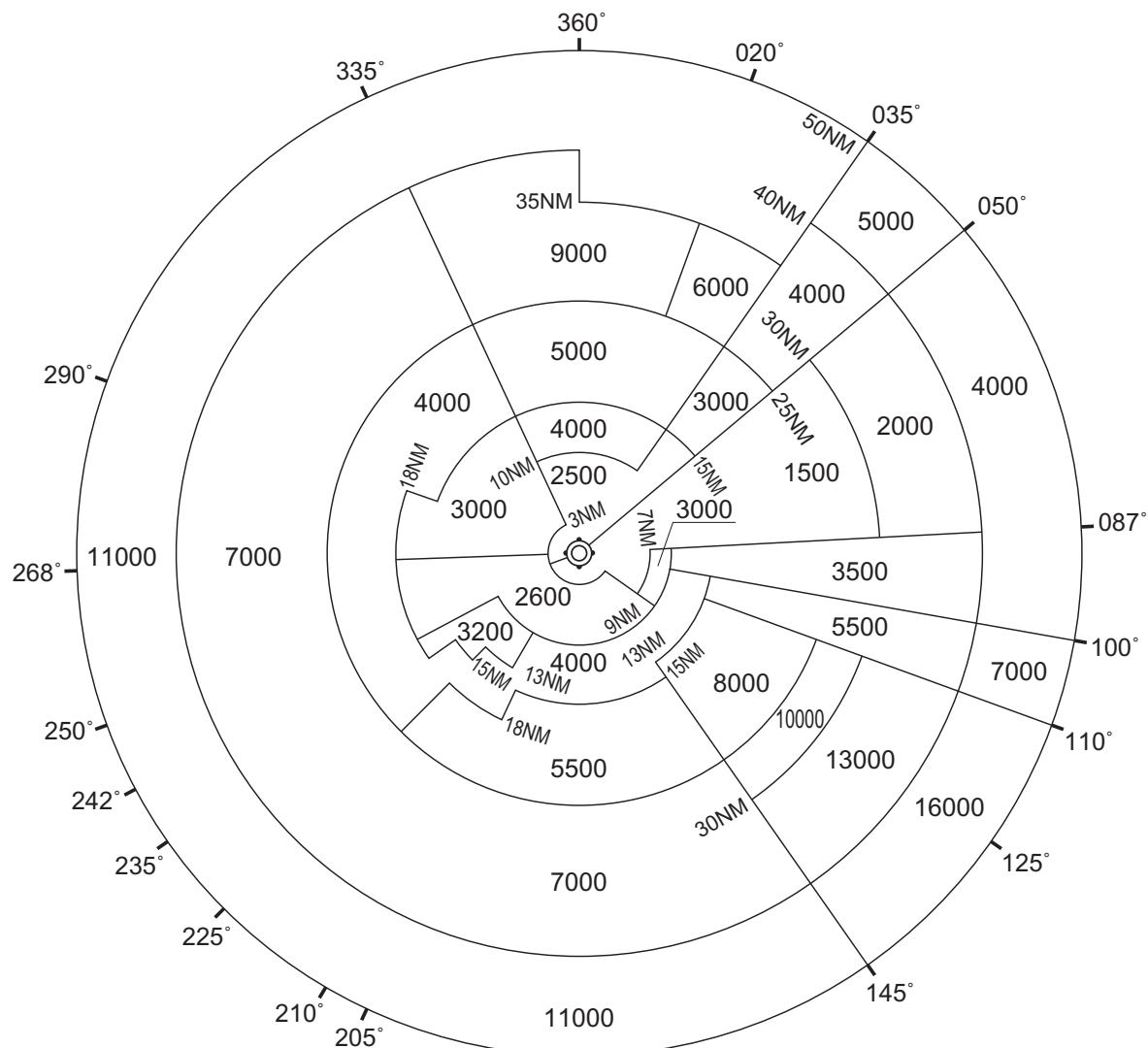
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
RAKDA	353110.12N / 1333824.27E	OHRF1	352658.12N / 1331252.91E
UGEPA	352353.68N / 1331709.24E		
OH753	352434.73N / 1331435.50E		
OH754	352513.21N / 1331211.18E		
OH755	352837.26N / 1331153.73E		
RW07	352918.33N / 1331336.57E		
OH752	353223.66N / 1332121.76E		
YGE	353004.96N / 1331525.94E		

CHANGE : New PROC.

RJOH / MIHO

Minimum Vectoring Altitude CHART

VAR 8°W (2023)



CHANGE : VAR. Update(BTN 205° and 210°).

CENTER: 353003N/1331413E (RADAR SITE)