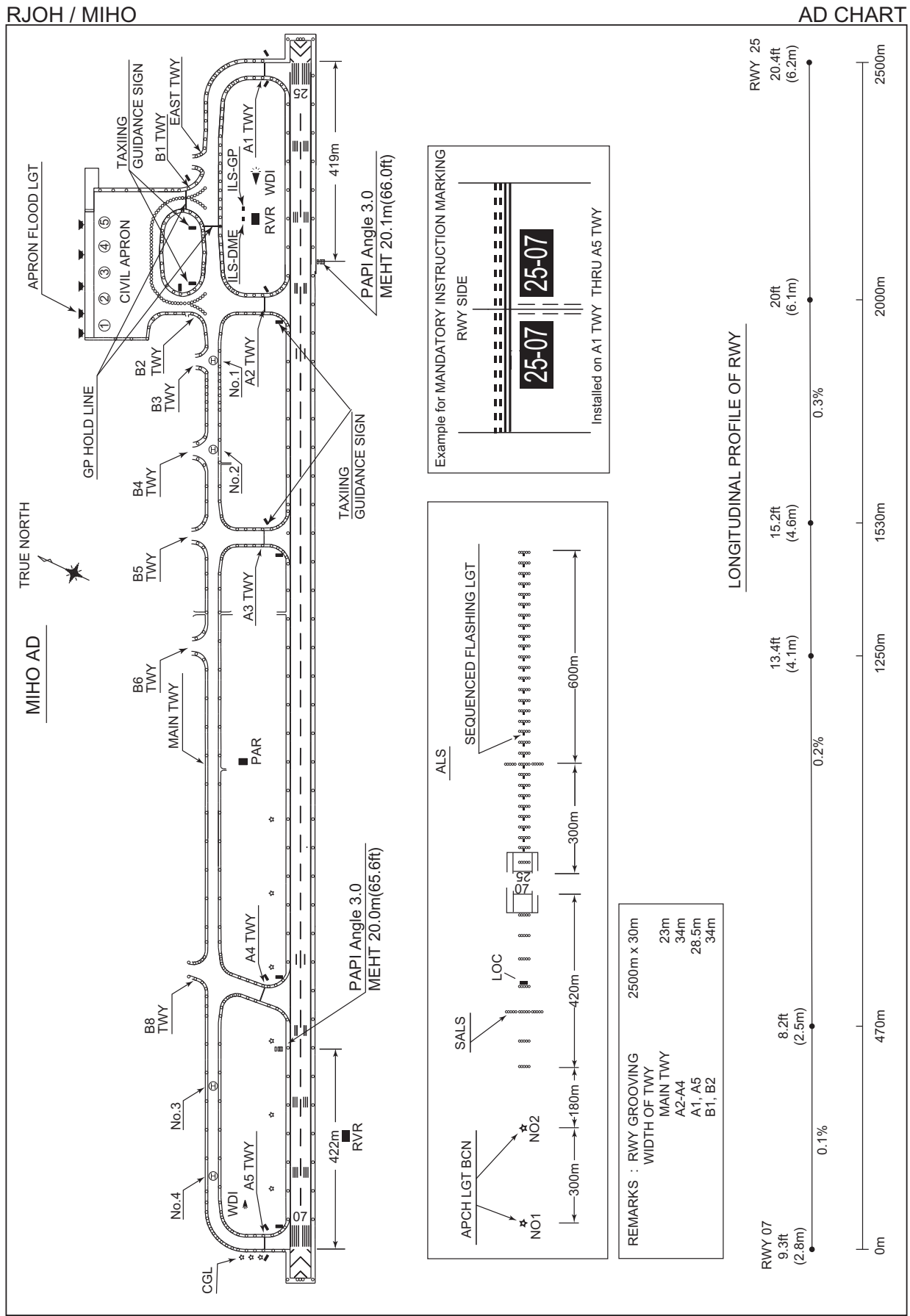


CHANGE : VOR/DME deleted.



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 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.

YONAGO REVERSAL SEVEN DEPARTURE

CHANGE : PROC renamed.PROC course. Note RWY25(OBST). YONAGO VOR/DME.

## 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 : PROC. Note RWY25. YONAGO VOR/DME.



## 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.

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 (2020)

## STAGE TWO DEPARTURE



## STAGE TWO DEPARTURE

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.

CHANGE : VAR. PROC renamed.PROC course. Note RWY25(OBST). YONAGO VOR/DME.

## 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



CHANGE : VAR. PROC renamed.PROC course. Note RWY25(OBST). YONAGO VOR/DME.

## 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

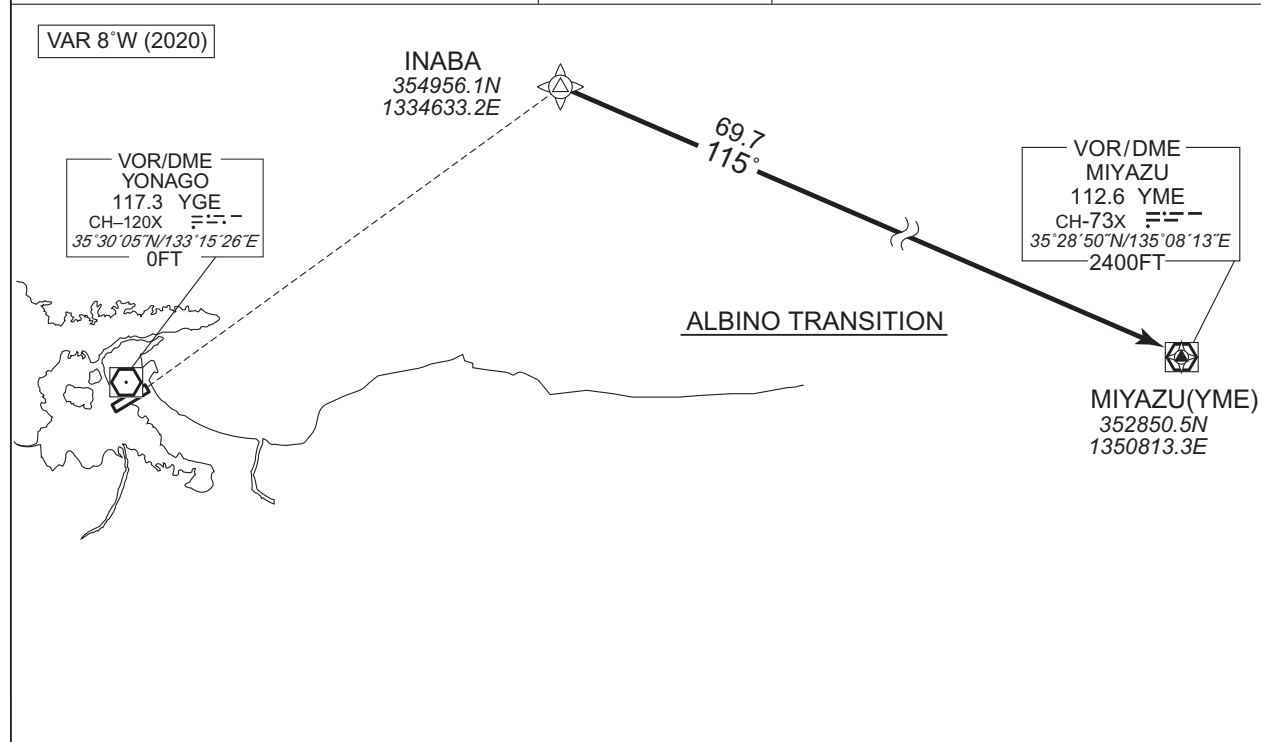
CHANGE : VAR. PROC renamed. PROC course.

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

CHANGE : VAR. YONAGO VOR/DME.

STANDARD DEPARTURE CHART - INSTRUMENT



## 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 (2020)

## KITARO TWO DEPARTURE

TACAN  
MIHO  
1201 JET  
CH-114X ---  
35°31'52"N/133°05'39"E  
1700FT

MIHOU  
353152.0N  
1330538.1E  
8000

OH703  
354038.6N  
1331939.2E  
10000

OH701  
353532.4N  
1332443.9E

OH501  
352731.3N  
1332246.9E

VOR/DME  
YONAGO  
117.3 YGE  
CH-120X ---  
35°30'05"N/133°15'26"E  
0FT

## KITARO TWO 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 6.2NM 214° FM end of RWY25.

CHANGE: VAR. PROC renamed. Course FM OH703 to MIHOU. Note RWY25(OBST). YONAGO VOR/DME.

## 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



## STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY25

## GAINA WEST ARRIVAL

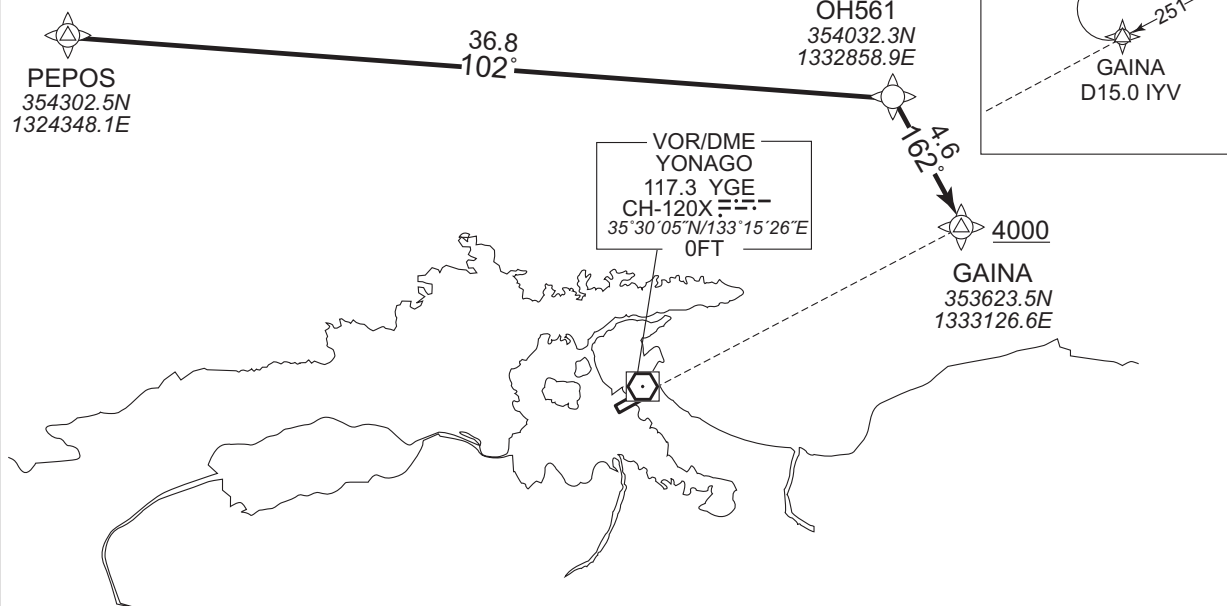
RNAV1

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

2 ) RADAR service required.

VAR 8°W (2020)

## 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	—	—	-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

CHANGE : VAR. Course FM PEPOS to OH561. YONAGO VOR/DME.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

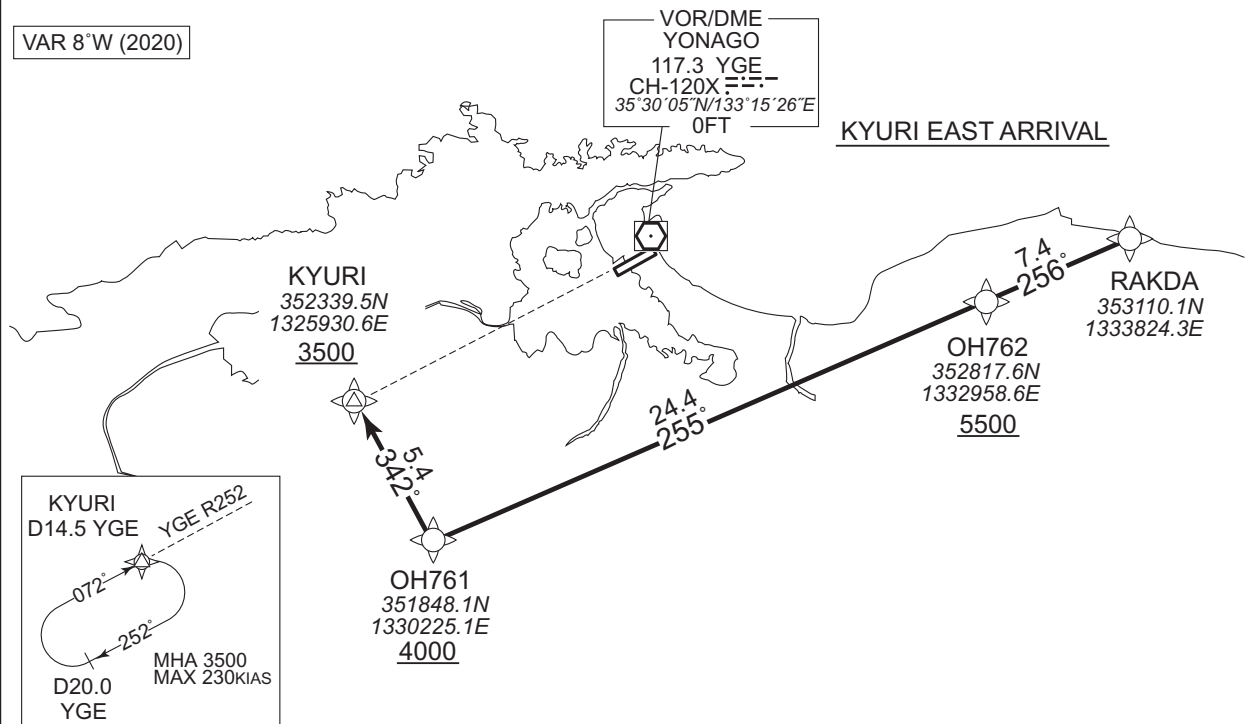
RNAV STAR RWY07

## KYURI EAST ARRIVAL

RNAV1

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

VAR 8°W (2020)

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	—
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	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

CHANGE : VAR. Course FM RAKDA to OH762. HLDG Pattern. Critical DME. DME GAP. YONAGO VOR/DME.

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY07



KYURI WEST ARRIVAL

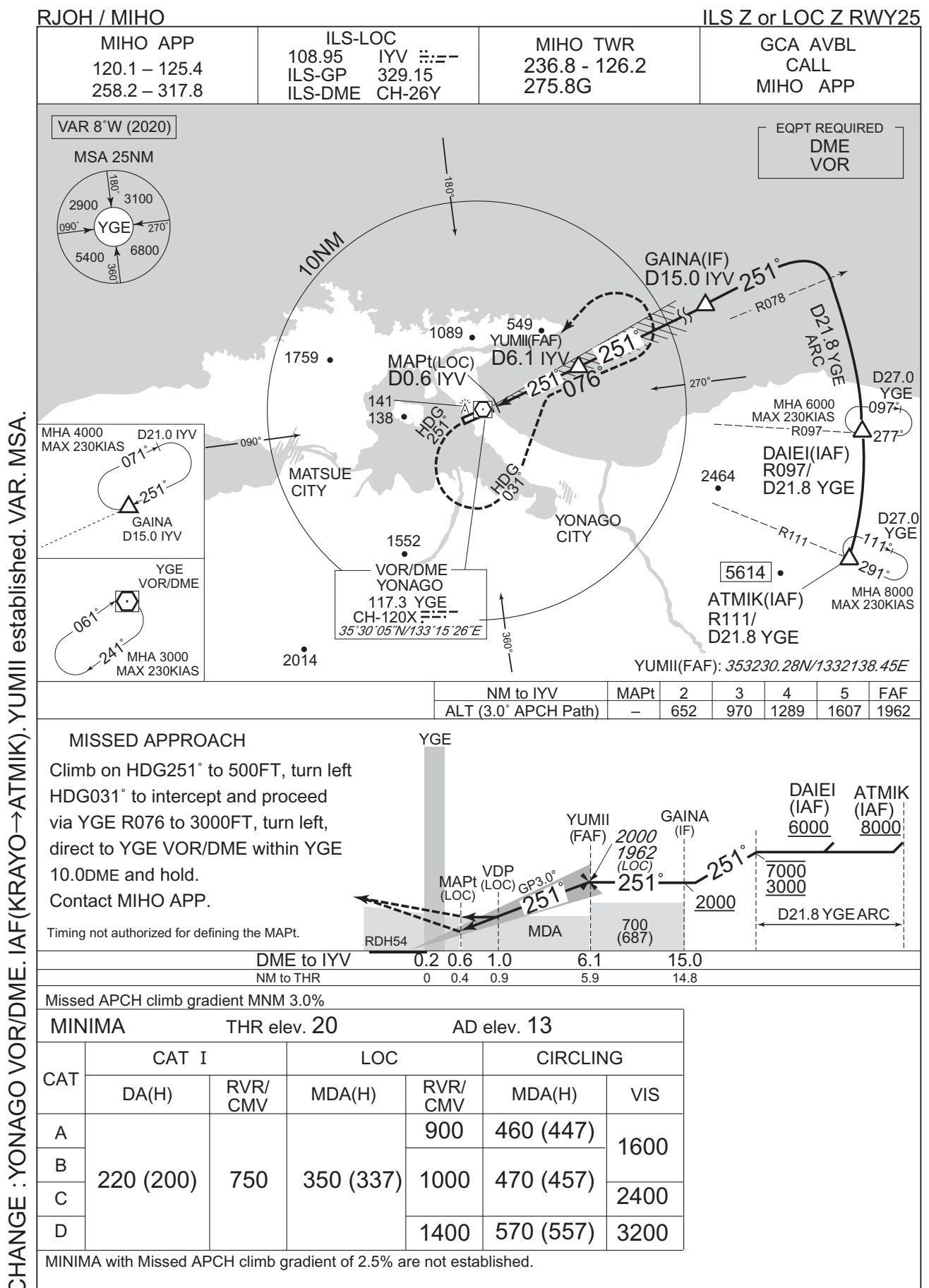
From PEPOS, to OH763 at or above 4000FT, to KYURI at or above 3500FT.

Critical DME	OIE : 3NM to KYURI - 2NM to KYURI
DME GAP	—
Inappropriate 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	—	—	-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

CHANGE : VAR, PROC course, HLDG Pattern, Critical DME, YONAGO VOR/DME.

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJOH / MIHO

ILS Y or LOC Y RWY25

MIHO APP  
120.1 – 125.4  
258.2 – 317.8

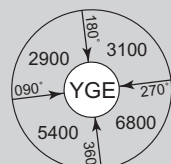
ILS-LOC  
108.95 IYV  $\ddot{::}=-$   
ILS-GP 329.15  
ILS-DME CH-26Y

MIHO TWR  
236.8 - 126.2  
275.8G

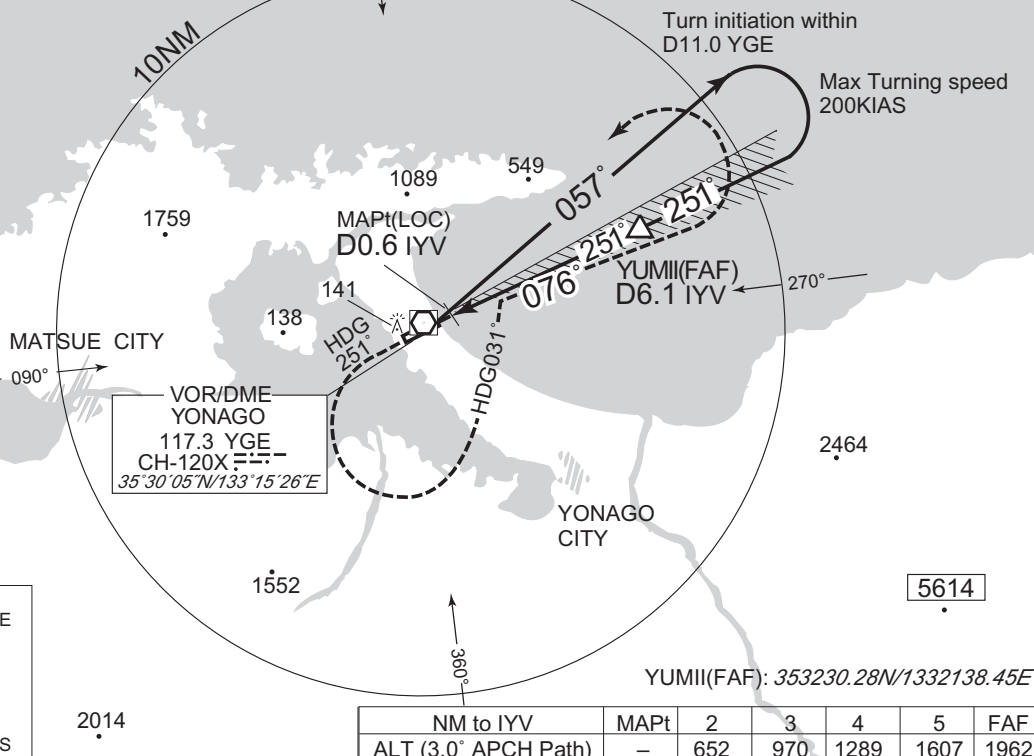
GCA AVBL  
CALL  
MIHO APP

VAR 8°W (2020)

MSA 25NM



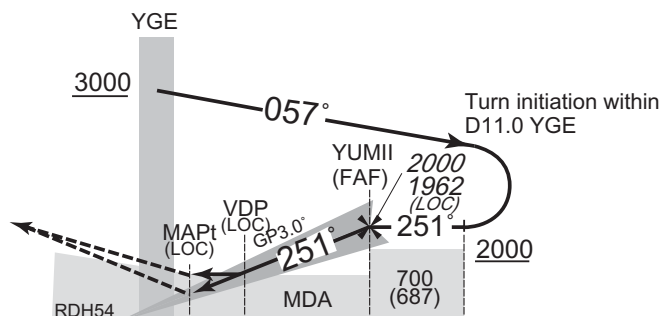
EQPT REQUIRED  
DME  
VOR



## MISSED APPROACH

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

Timing not authorized for defining the MAPt.



DME to IYV

NM to THR

0.2 0.6 1.0 6.1

0 0.4 0.9 5.9

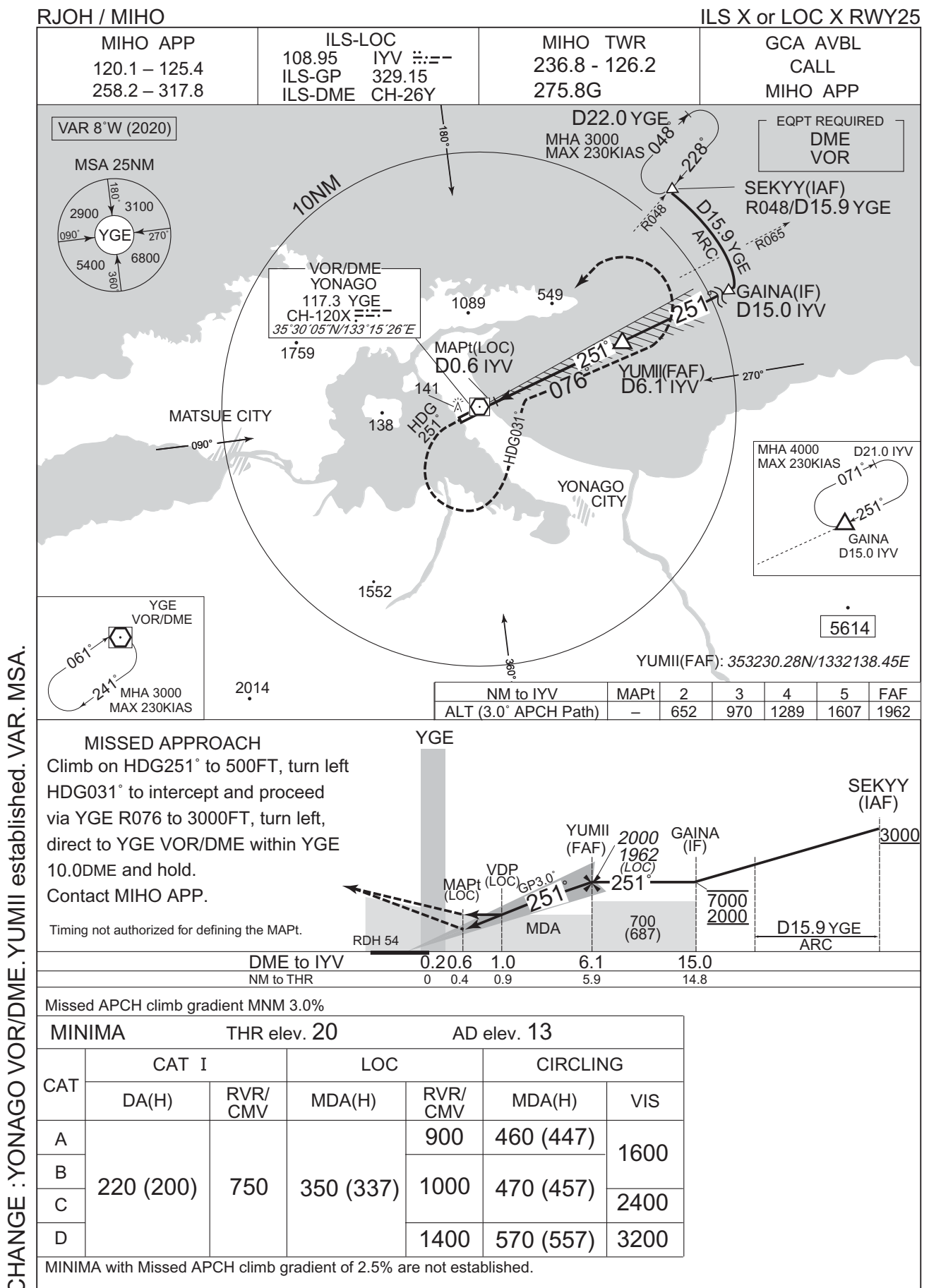
Missed APCH climb gradient MNM 3.0%

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	570 (557)	2400
D						3200

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

CHANGE : YONAGO VOR/DME. PROC course. YUMII established. VAR. MSA.

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

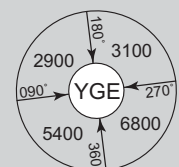
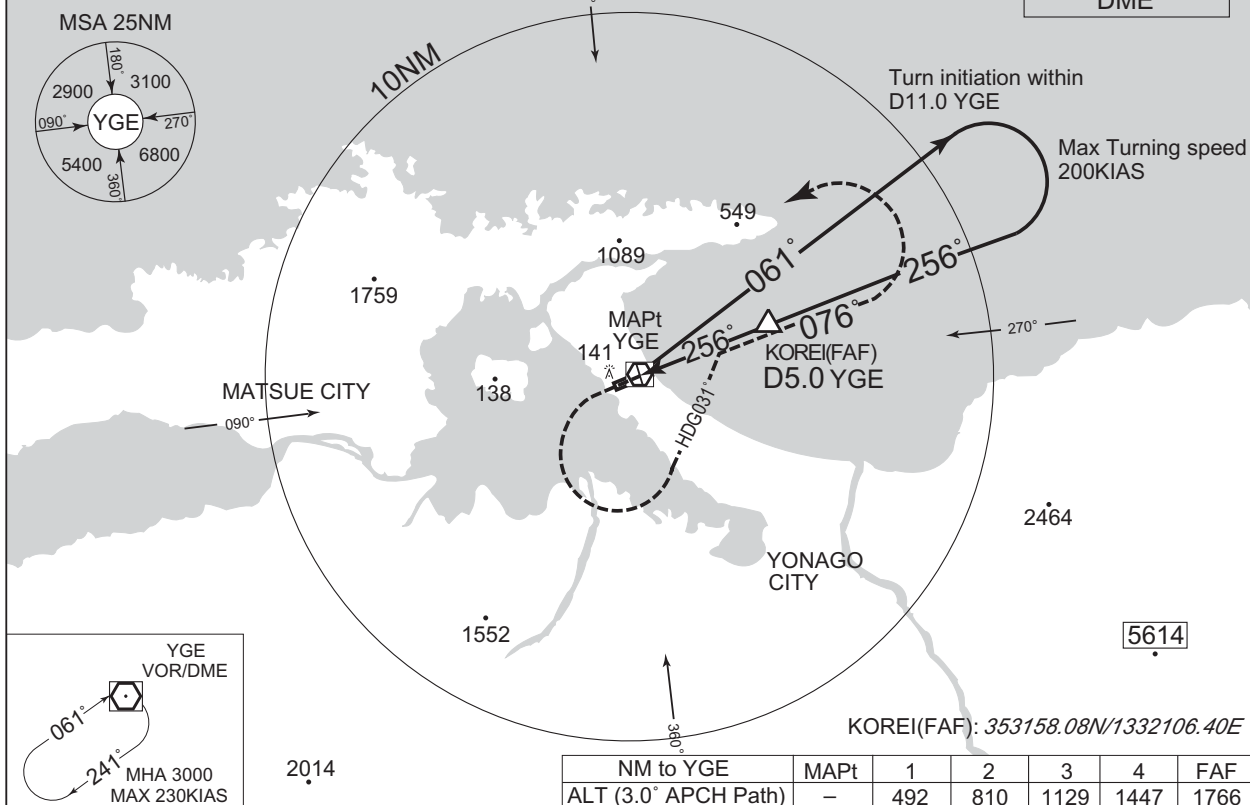
RJOH / MIHO

VOR RWY25

MIHO APP  
120.1 – 125.4  
258.2 – 317.8YONAGO VOR/DME  
117.3 YGE  
CH-120X  $\equiv \equiv \equiv$   
35°30'05"N/133°15'26"EMIHO TWR  
236.8 - 126.2  
275.8GGCA AVBL  
CALL  
MIHO APP

VAR 8°W (2020)

MSA 25NM

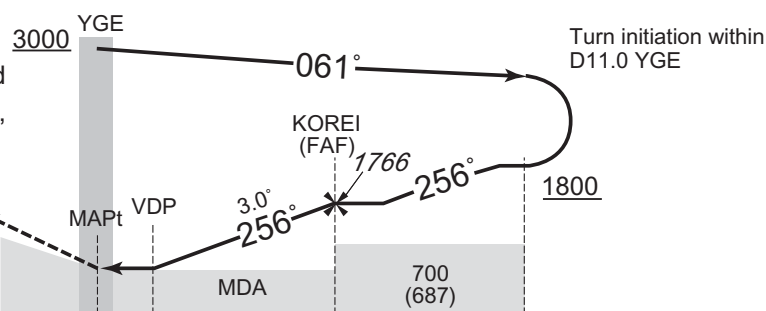
EQPT REQUIRED  
DME

NM to YGE	MAPt	1	2	3	4	FAF
ALT (3.0° APCH Path)	—	492	810	1129	1447	1766

## MISSED APPROACH

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

Timing not authorized for defining the MAPt.

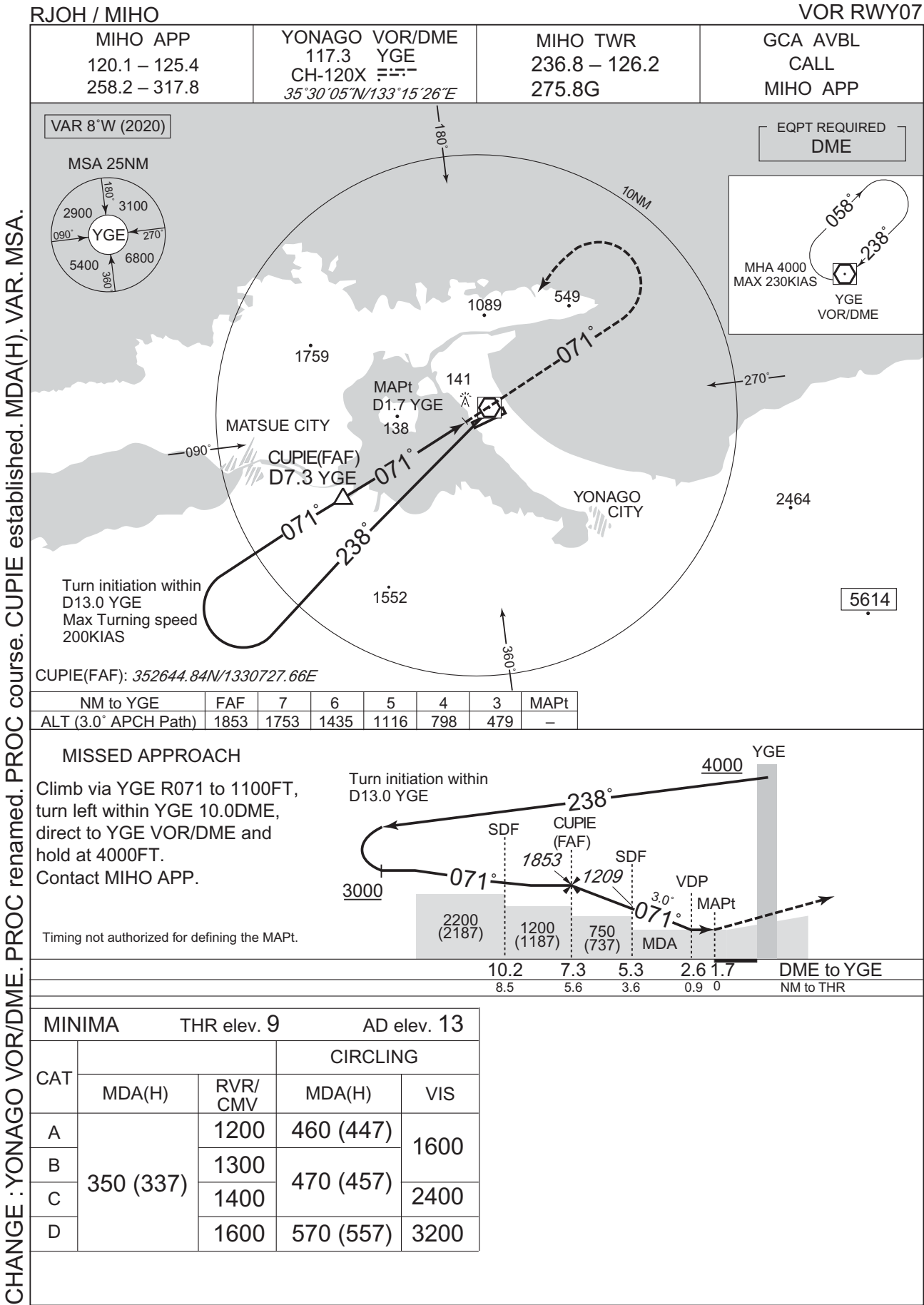


DME to/from YGE	0.3	0	0.8	5.0
NM to THR	0	0.3	1.1	5.3

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				
D		1400	570 (557)	3200

CHANGE : YONAGO VOR/DME. PROC renamed. PROC course. KOREI established. VAR. MSA.

INSTRUMENT APPROACH CHART



CHANGE :YONAGO VOR/DME. PROC renamed. PROC course. CUPIE established. MDA(H). VAR. MSA.



## INSTRUMENT APPROACH CHART

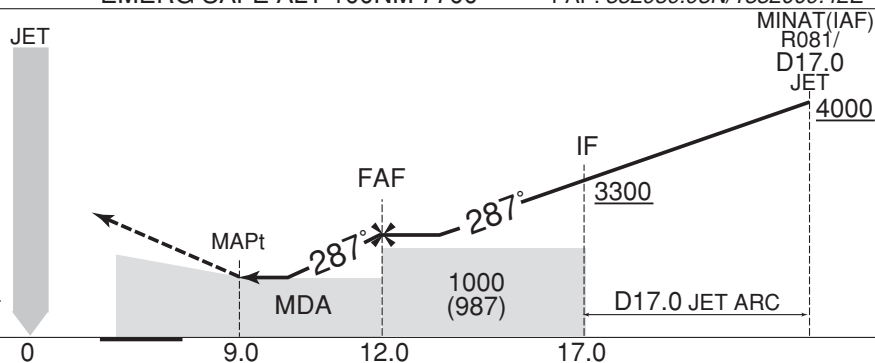
RJOH / MIHO

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.



## INSTRUMENT APPROACH CHART

RJOH / MIHO

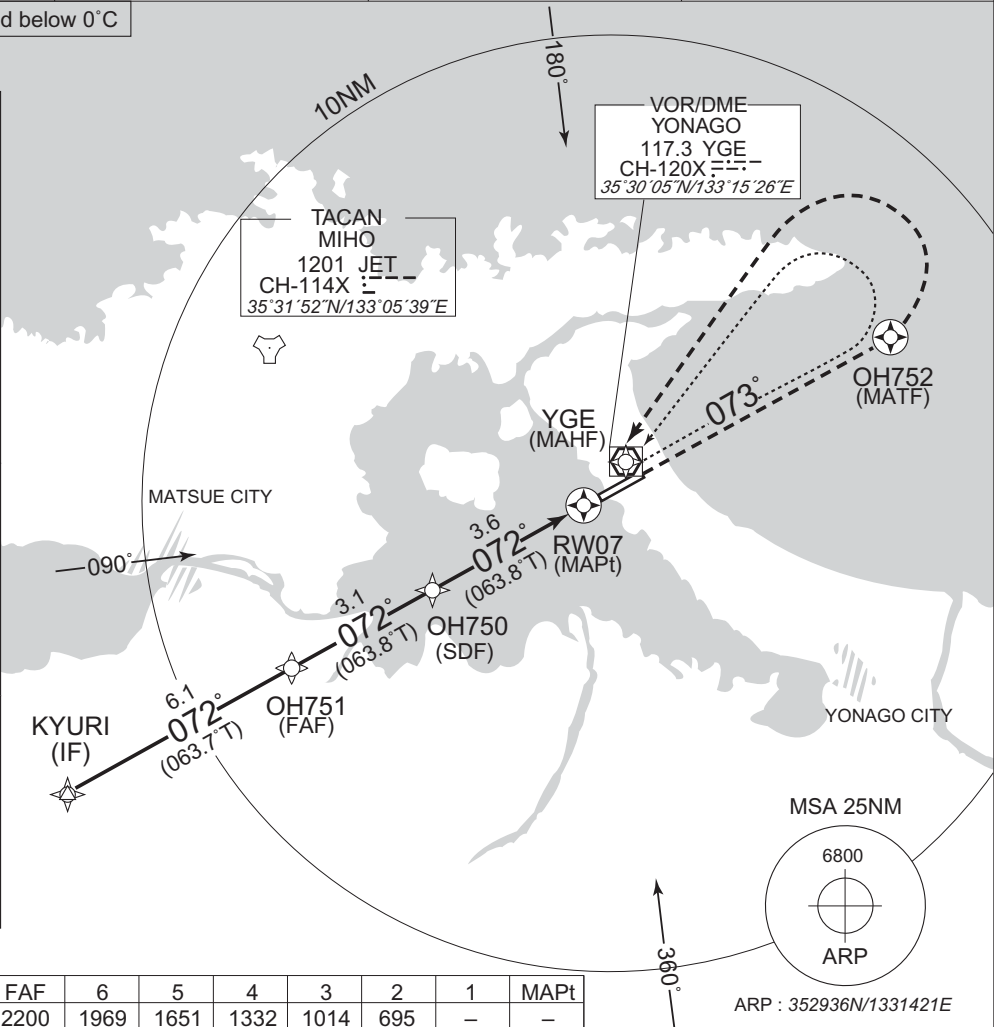
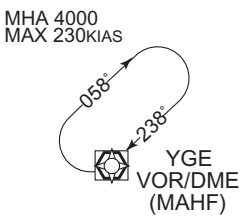
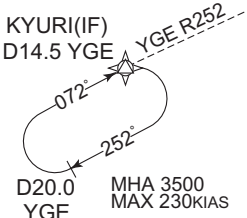
RNAV(GNSS) RWY07

MIHO APP 120.1 – 125.4 258.2 – 317.8	1. DME/DME not authorized. 2. RADAR service required. 3. GNSS required.	MIHO TOWER 236.8 – 126.2 275.8G	GCA AVBL CALL MIHO APP
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Baro-VNAV not authorized below 0°C

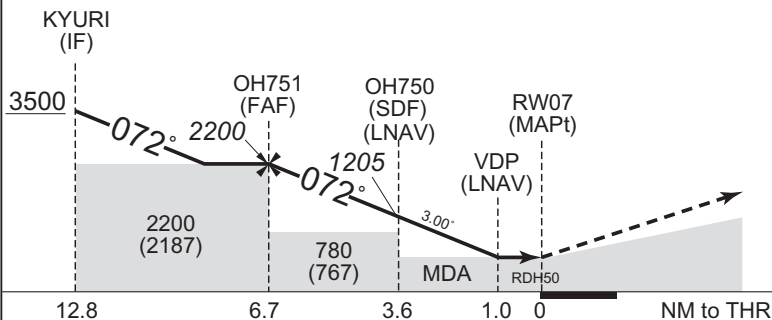
VAR 8°W (2020)

KYURI (IF)	352339.46N 1325930.61E
OH751 (FAF)	352620.83N 1330612.69E
OH750 (SDF)	352743.38N 1330938.92E
RW07 (MAP)	352918.33N 1331336.57E
OH752 (MATF)	353223.66N 1332121.76E
YGE (MAHF)	353004.96N 1331525.94E



NM to Next Fix	FAF	6	5	4	3	2	1	MAPt
ALT (3.0° APCH Path)	2200	1969	1651	1332	1014	695	—	—

ARP : 352936N/1331421E



## MISSED APPROACH

Climb to OH752, turn left, direct to YGE and hold at 4000FT.  
Contact MIHO APP.

(For using VOR/DME)  
Climb to 1100FT via YGE R073, turn  
left within YGE 10.0DME, direct to  
YGE VOR/DME and hold at 4000FT.  
Contact MIHO APP.

MINIMA		THR elev. 9		AD elev. 13		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	380 (371)	1200	380 (367)	1200	460 (447)	1600
B		1300		470 (457)		
C		1400			2400	
D		1600		1600	570 (557)	3200

CHANGE : YONAGO VOR/DME. VAR.:

RJOH / MIHO

Minimum Vectoring Altitude CHART

