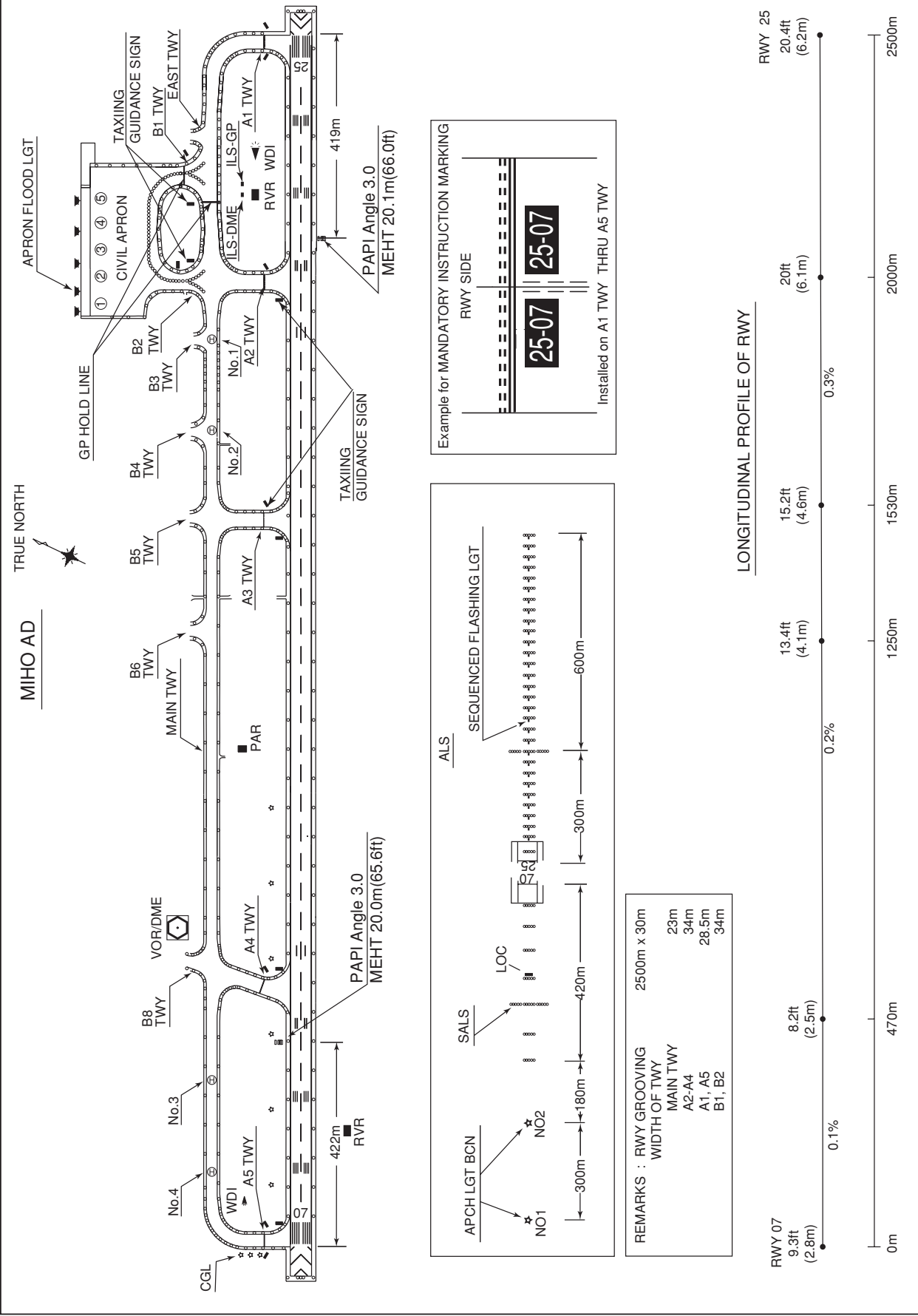


RJOH / MIHO

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.

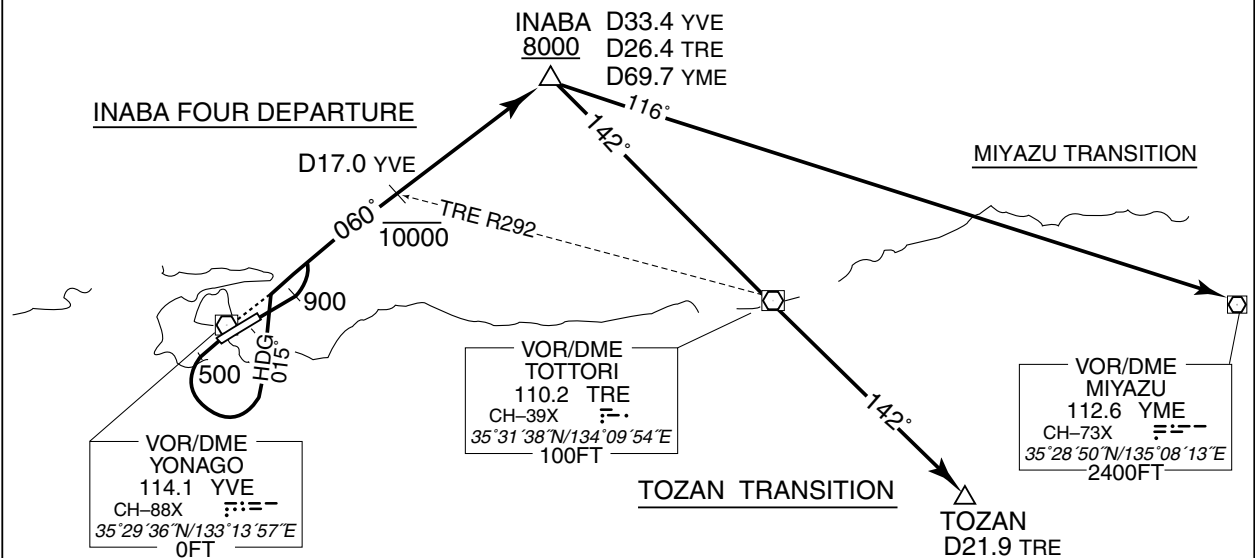
OBST ALT 1182FT located at 6.23NM 214° FM end of RWY25.

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.

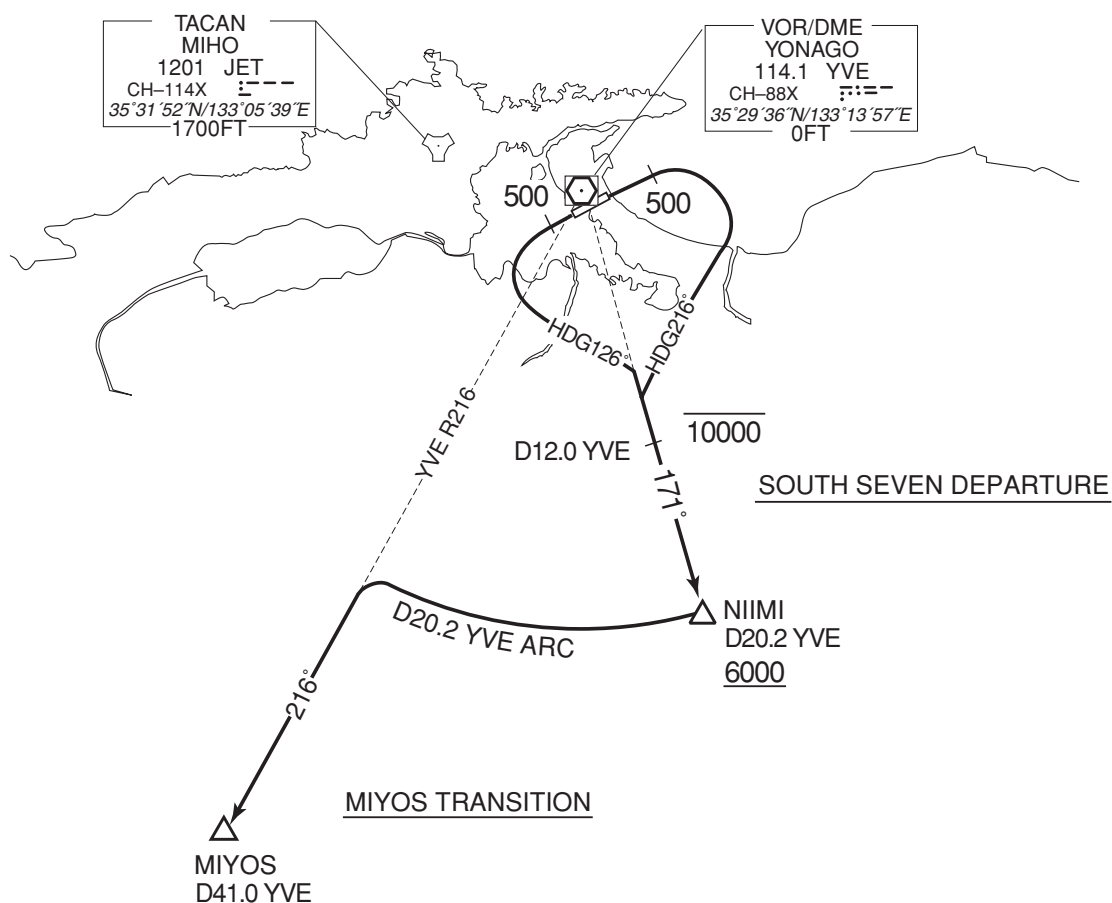
Cross YVE R171/12.0DME at or below 10000FT,
cross NIIMI at or above 6000FT.

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°...

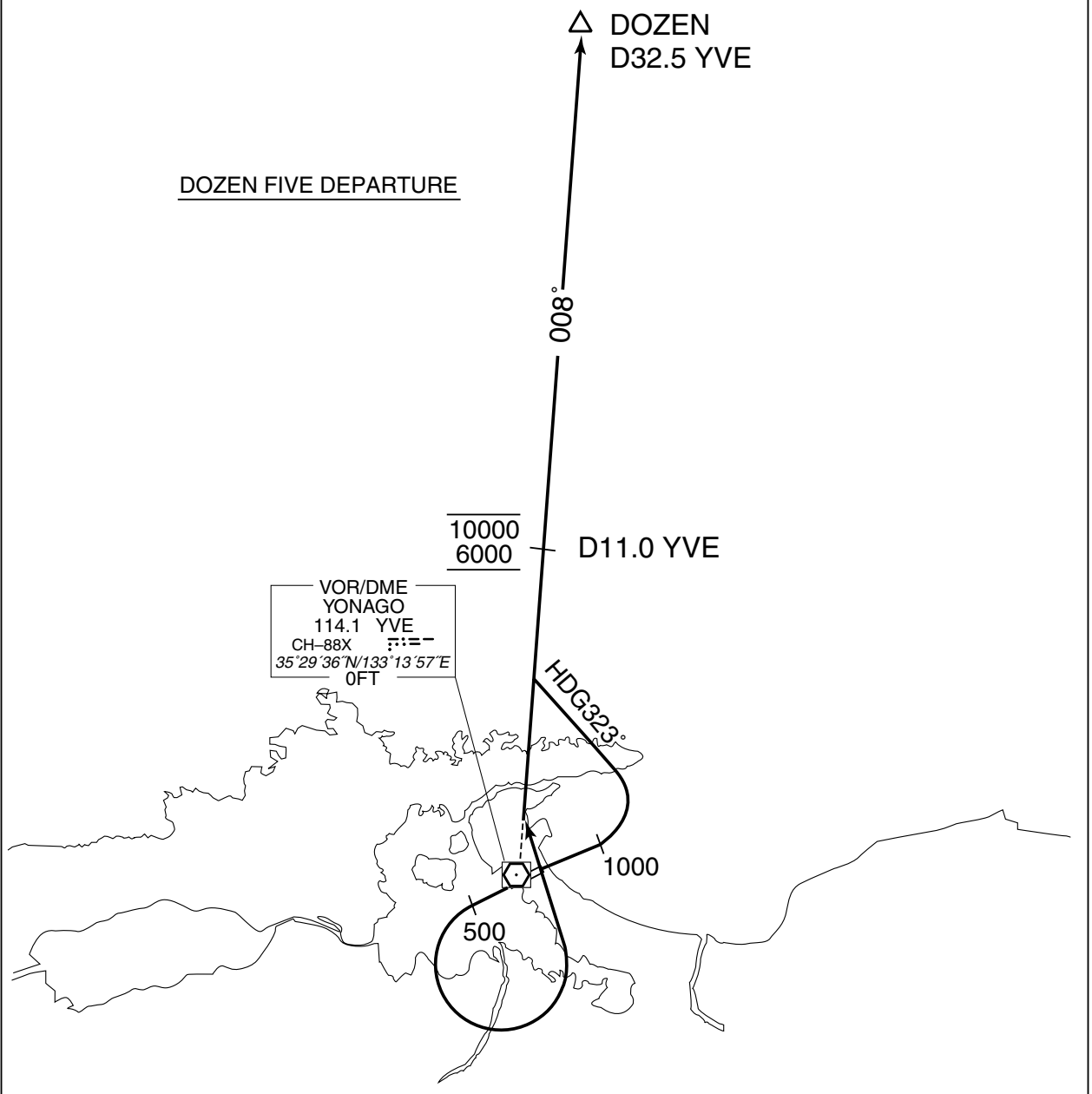
RWY 25 : Climb RWY HDG to 500FT, turn left ...

... 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.



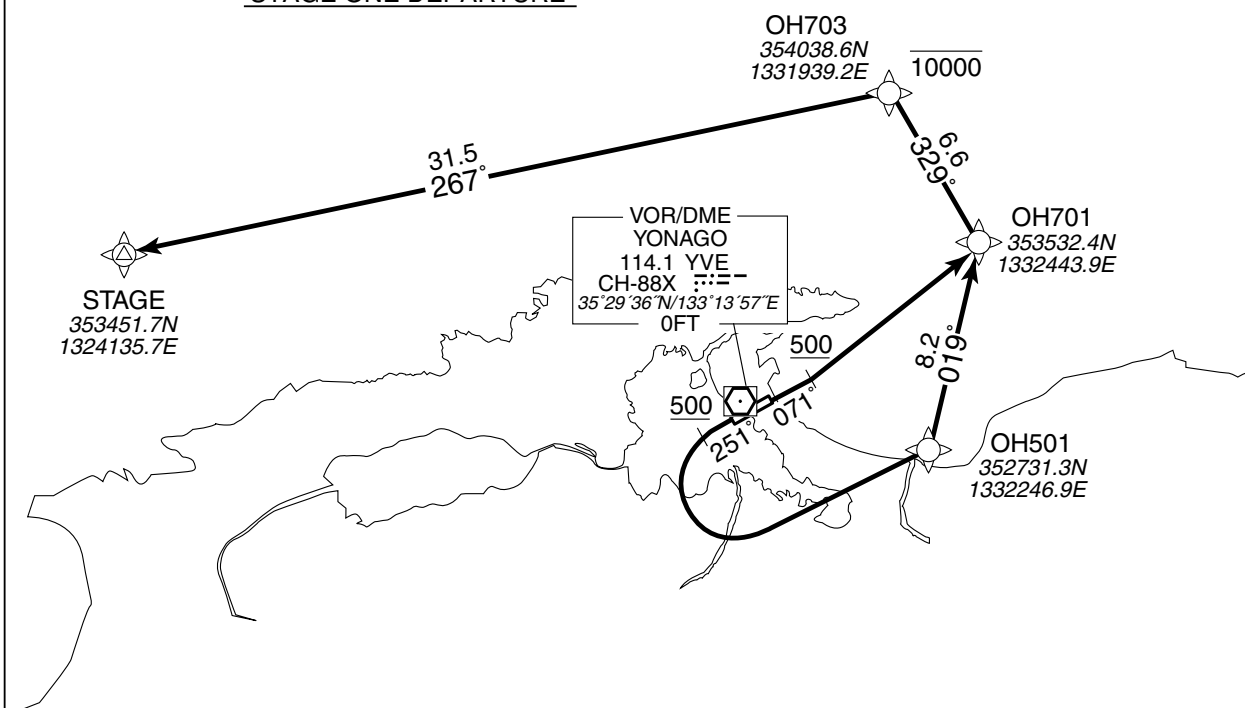
STANDARD DEPARTURE CHART - INSTRUMENT

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

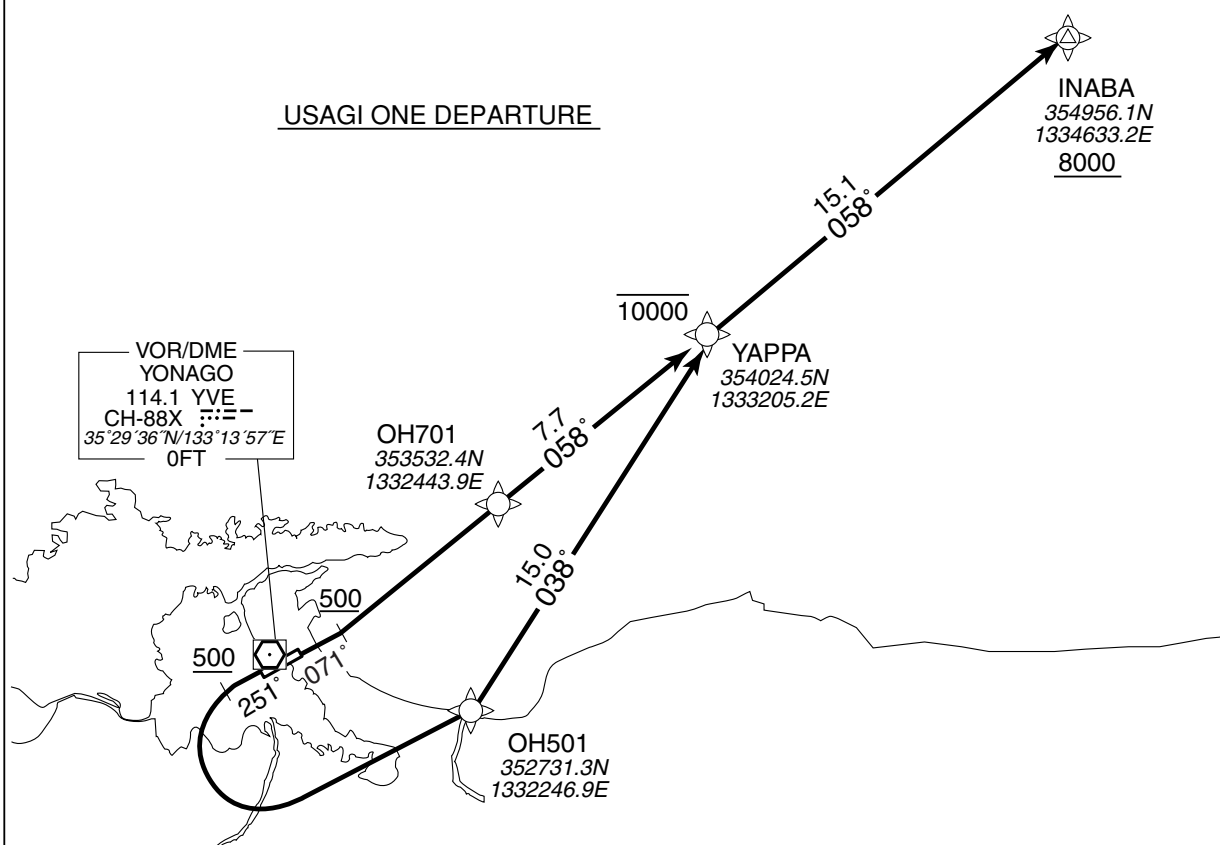
STANDARD DEPARTURE CHART - INSTRUMENT

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

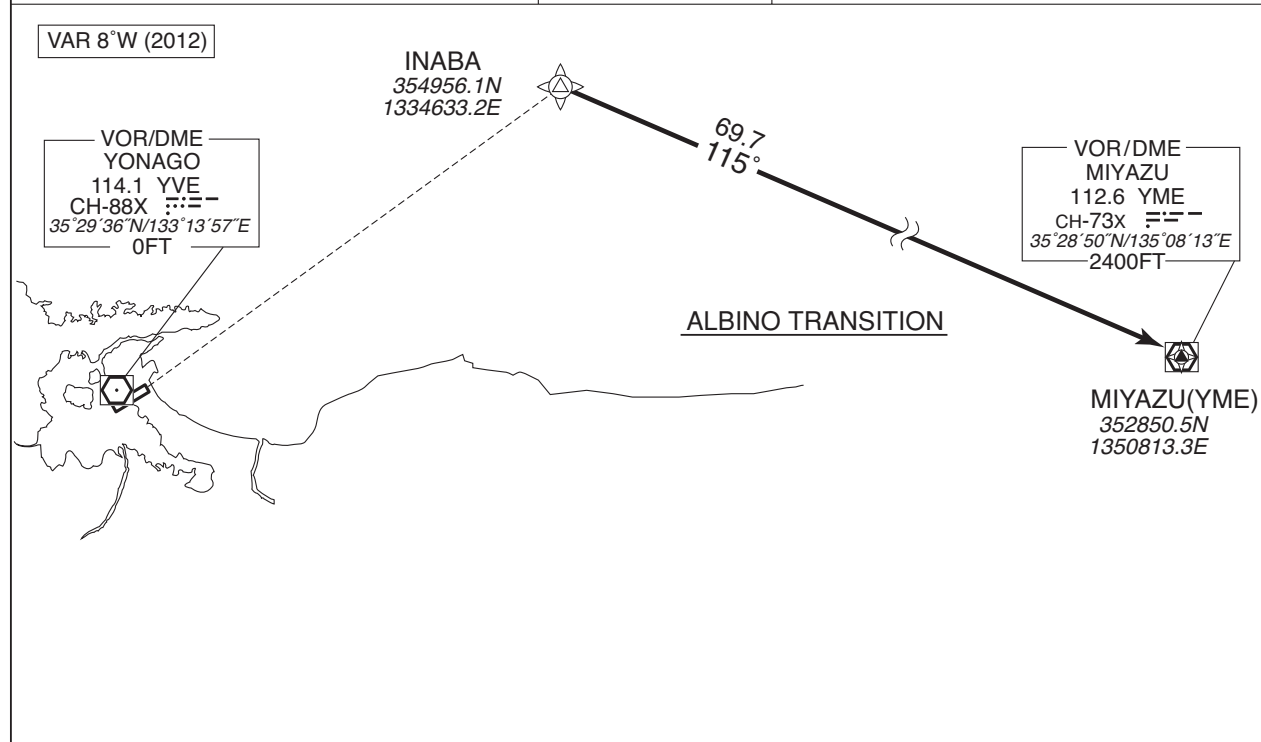
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	251 (243.9)	-7.6	—	—	+500	—	—	RNAV1
002	DF	OH501	—	—	-7.6	—	L	—	—	—	RNAV1
003	TF	YAPPA	—	038 (030.4)	-7.6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

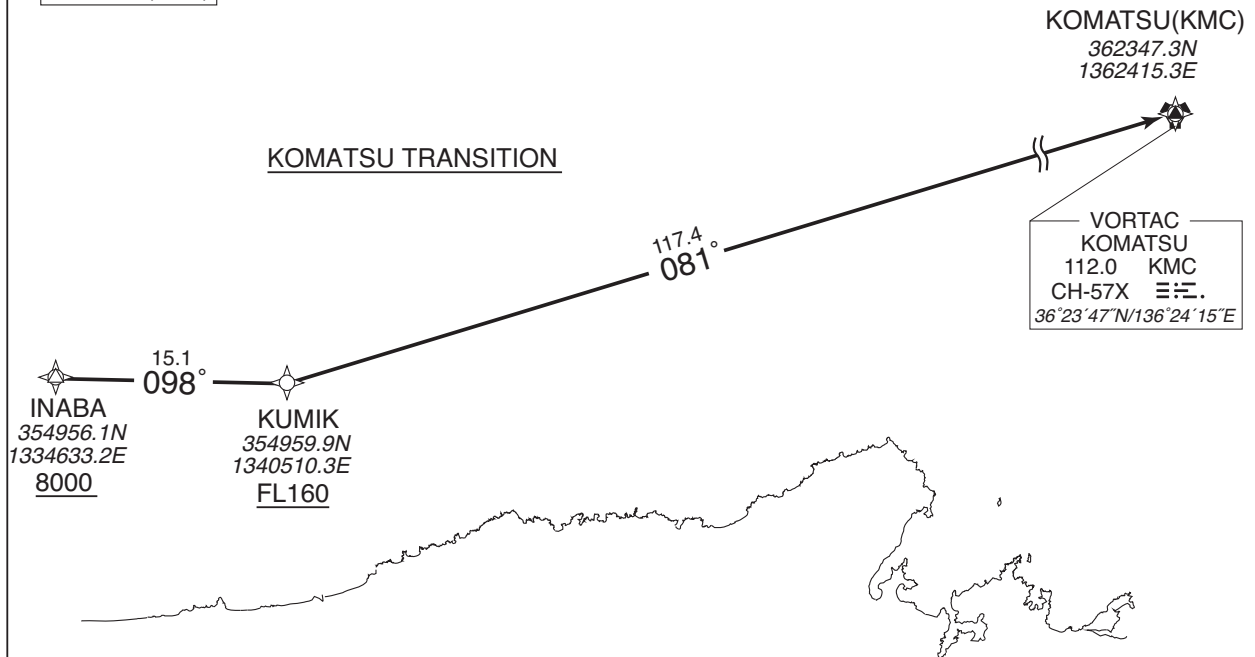
STANDARD DEPARTURE CHART - INSTRUMENT

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

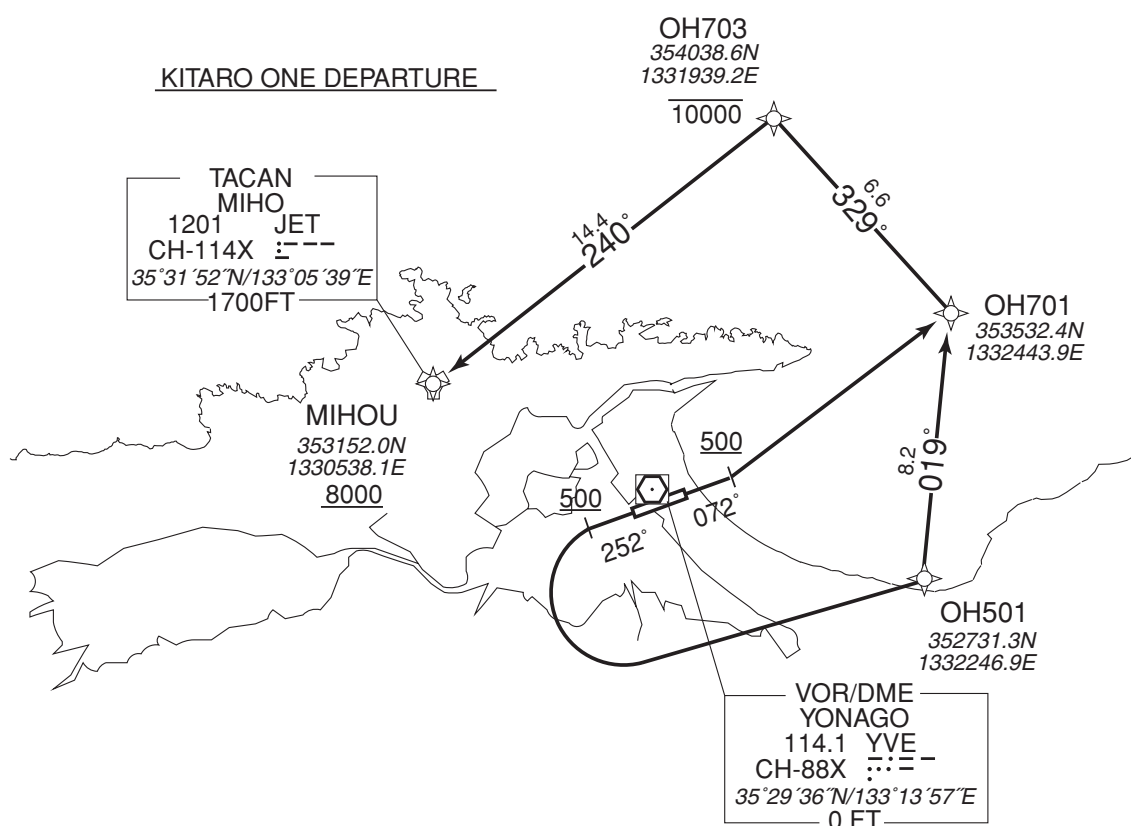
RWY25 : DER – 10.0NM to OH501

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

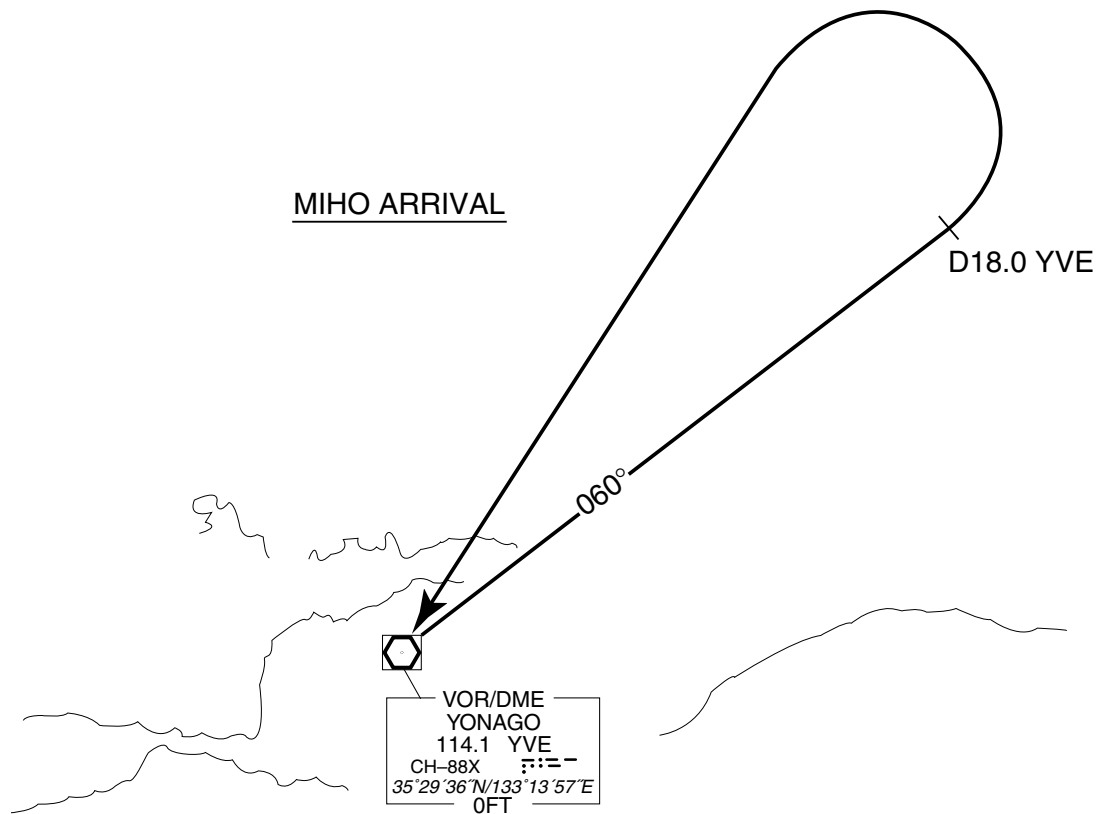
STANDARD ARRIVAL CHART - INSTRUMENT

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

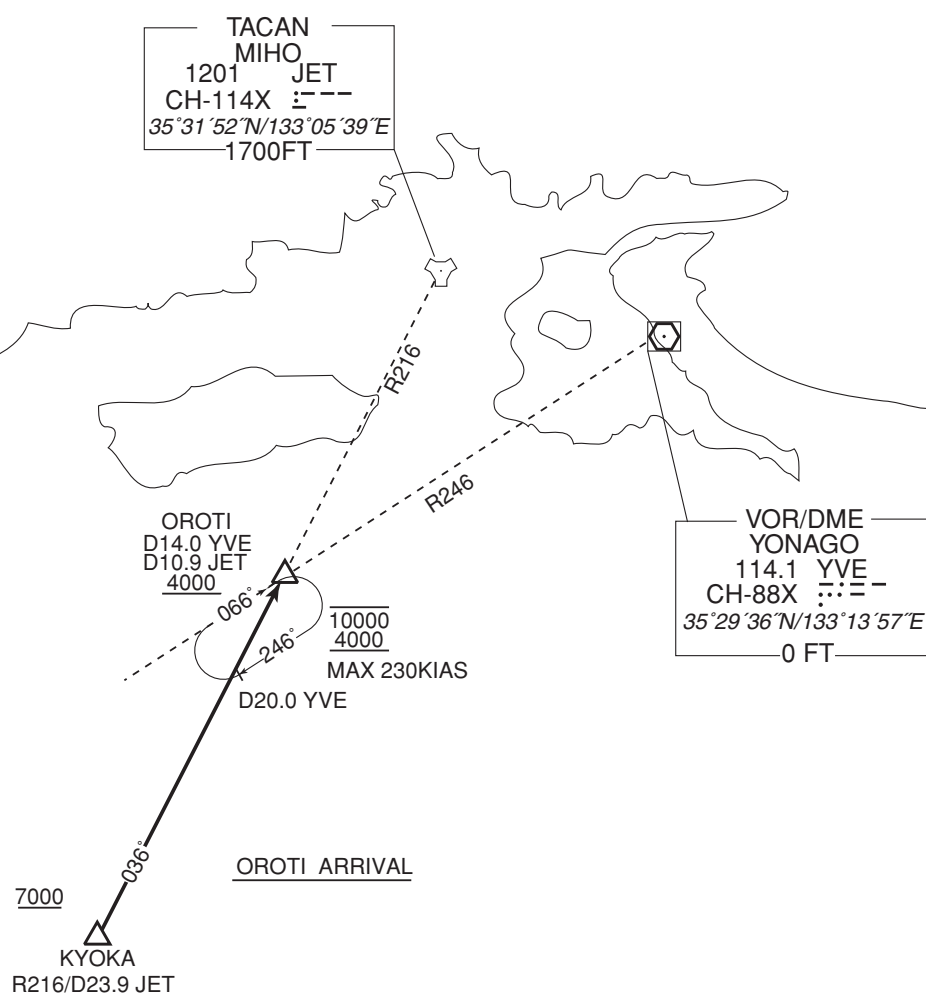
RJOH / MIHO

STAR

OROTI ARRIVAL

From over KYOKA, via JET R216 to OROTI.

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

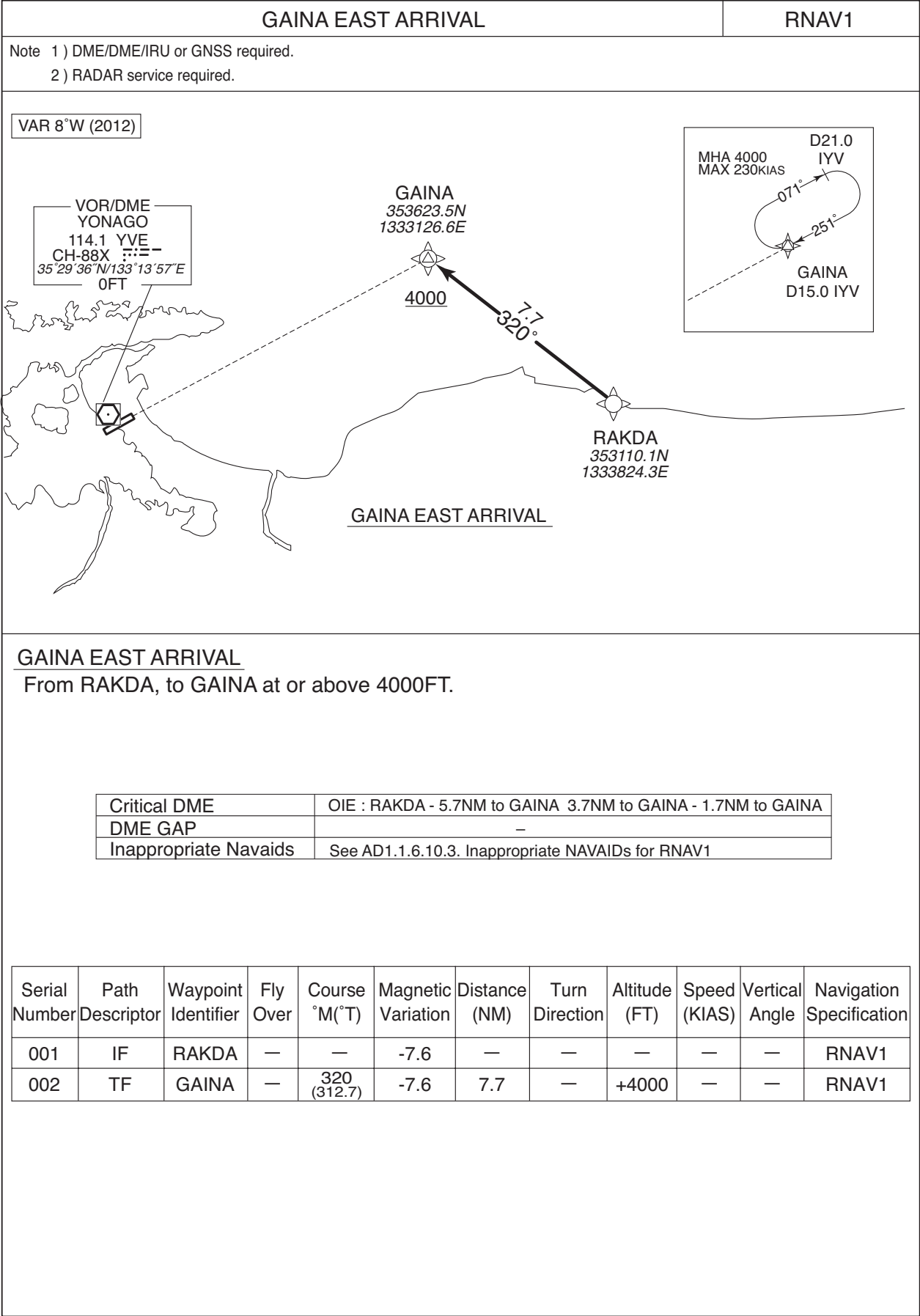


CHANGE : MIHO TACAN(JET)

STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY25



STANDARD ARRIVAL CHART - INSTRUMENT

RJOH / MIHO

RNAV STAR RWY25

GAINA WEST ARRIVAL

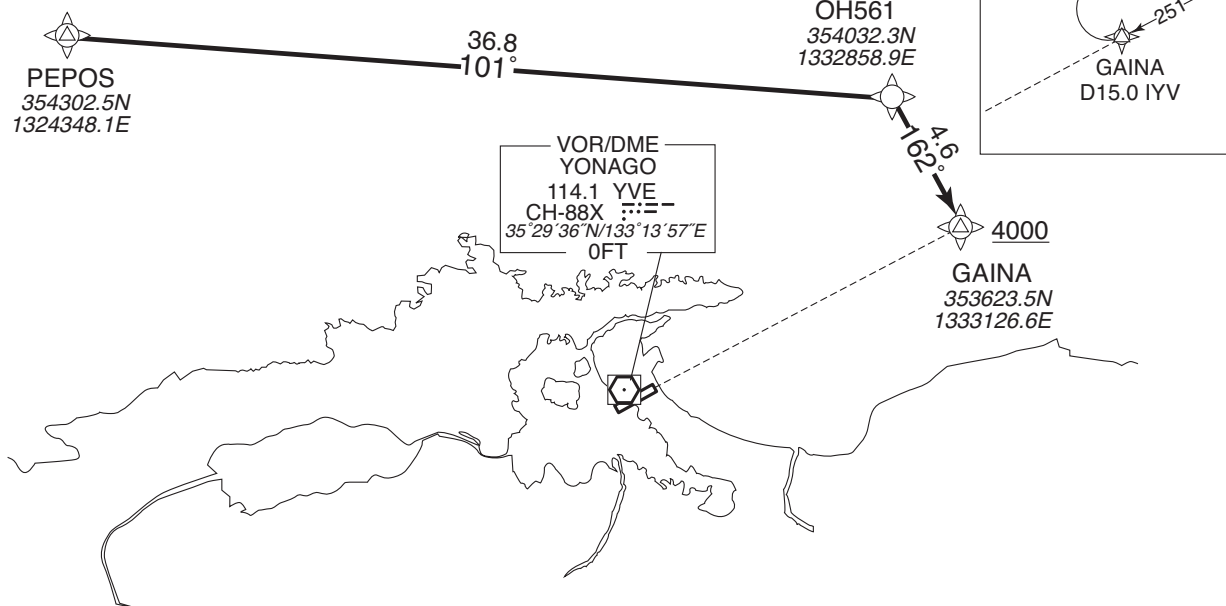
RNAV1

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

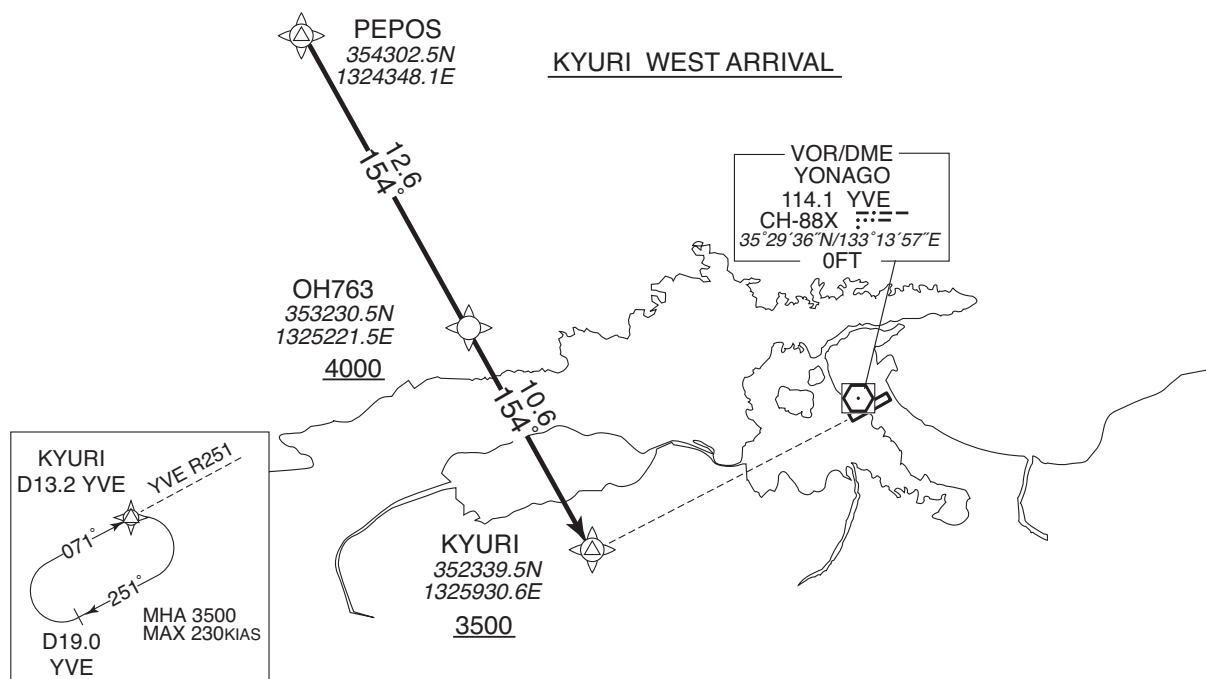
KYURI WEST ARRIVAL

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

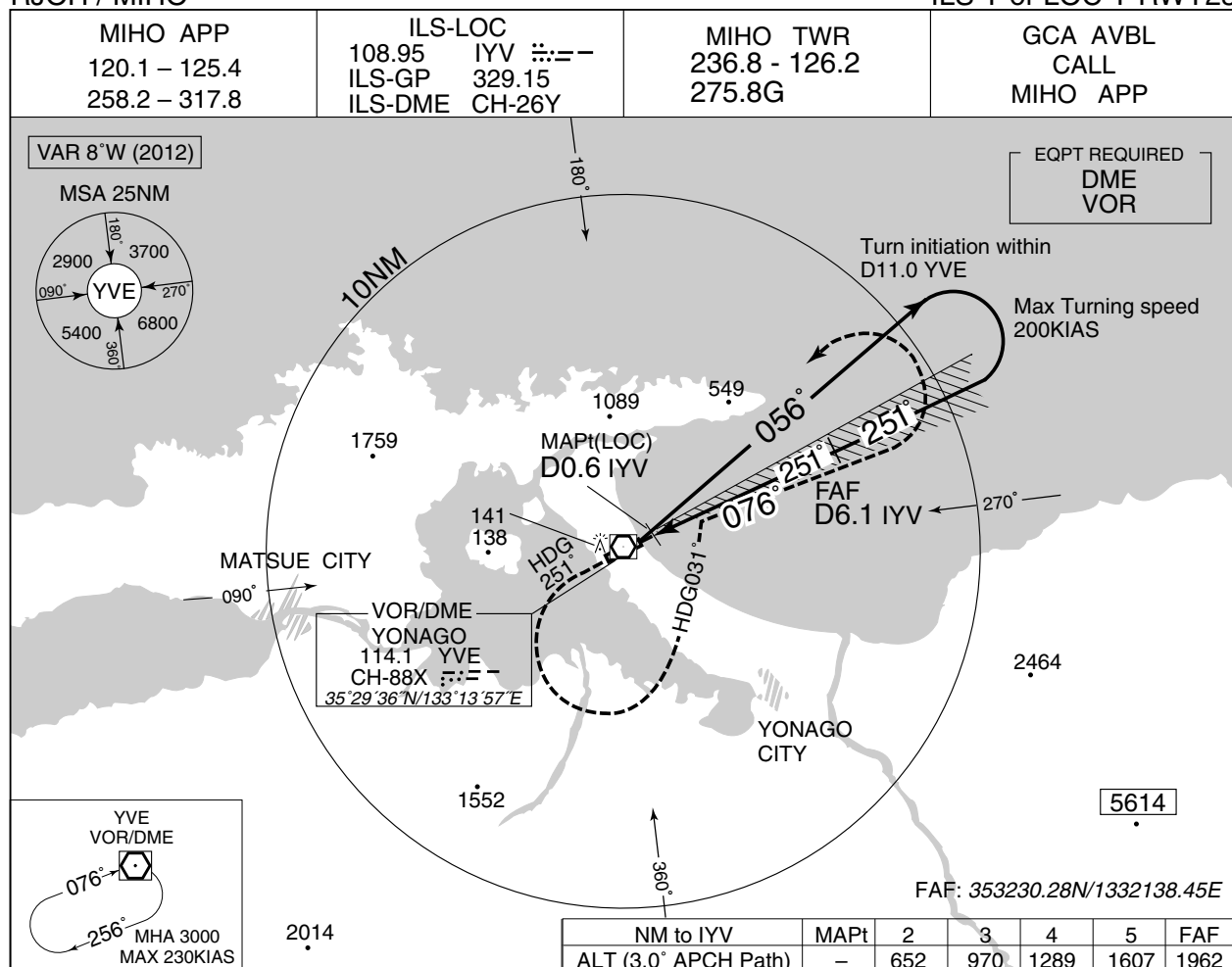
ILS Z or LOC Z RWY25



INSTRUMENT APPROACH CHART

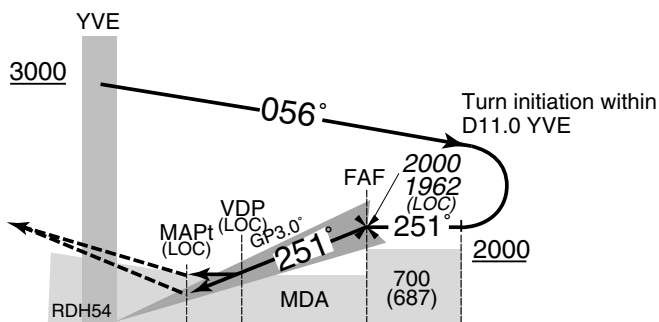
RJOH / MIHO

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%

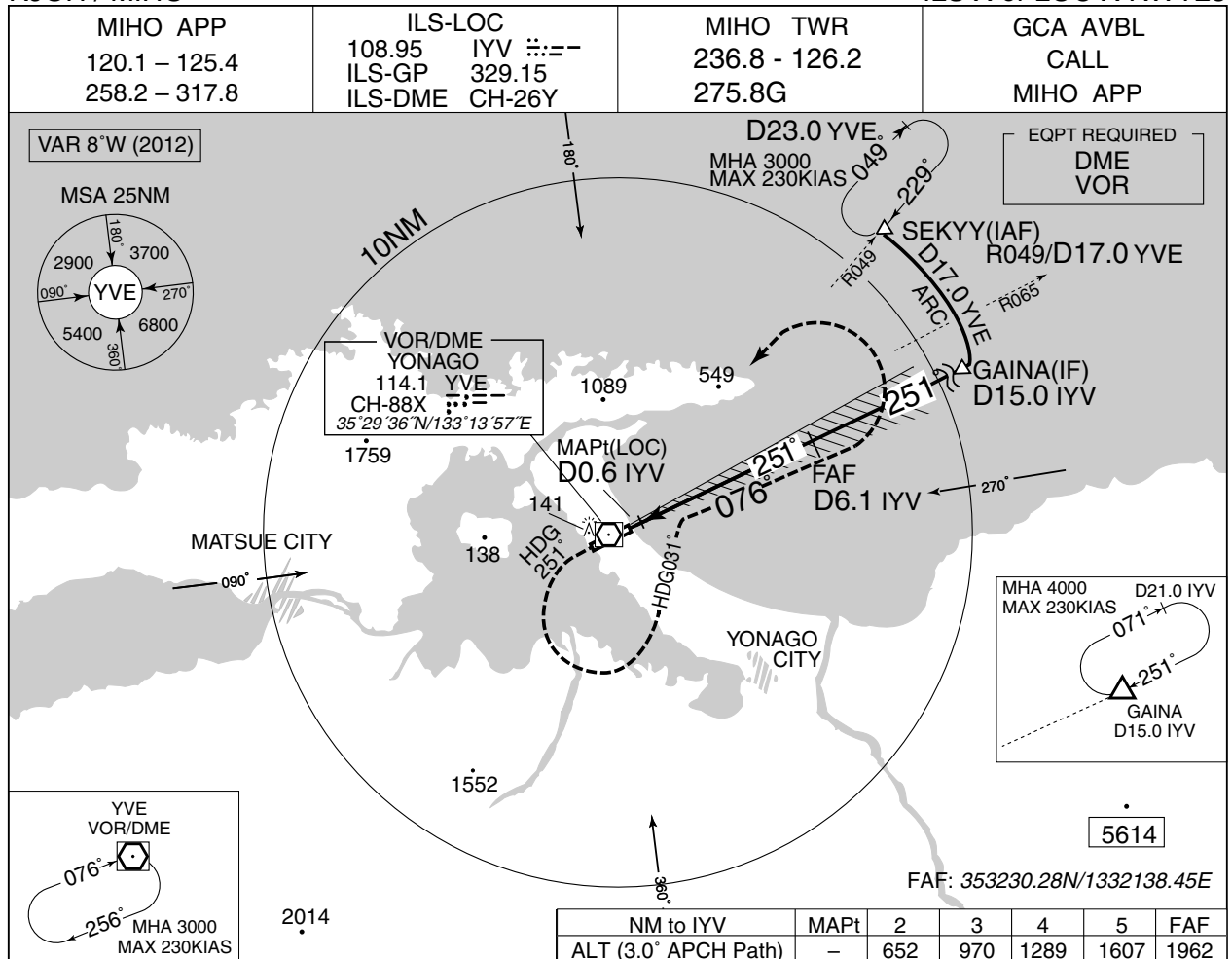
MINIMA		THR elev. 20		AD elev. 13		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	220 (200)	750	350 (337)	900	460 (447)	1600
B				1000	470 (457)	
C						
D				1400		570 (557)

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

INSTRUMENT APPROACH CHART

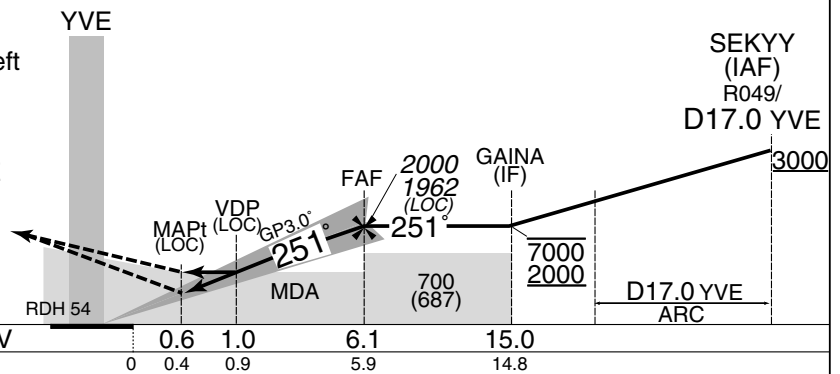
RJOH / MIHO

ILS X or LOC X 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.



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						

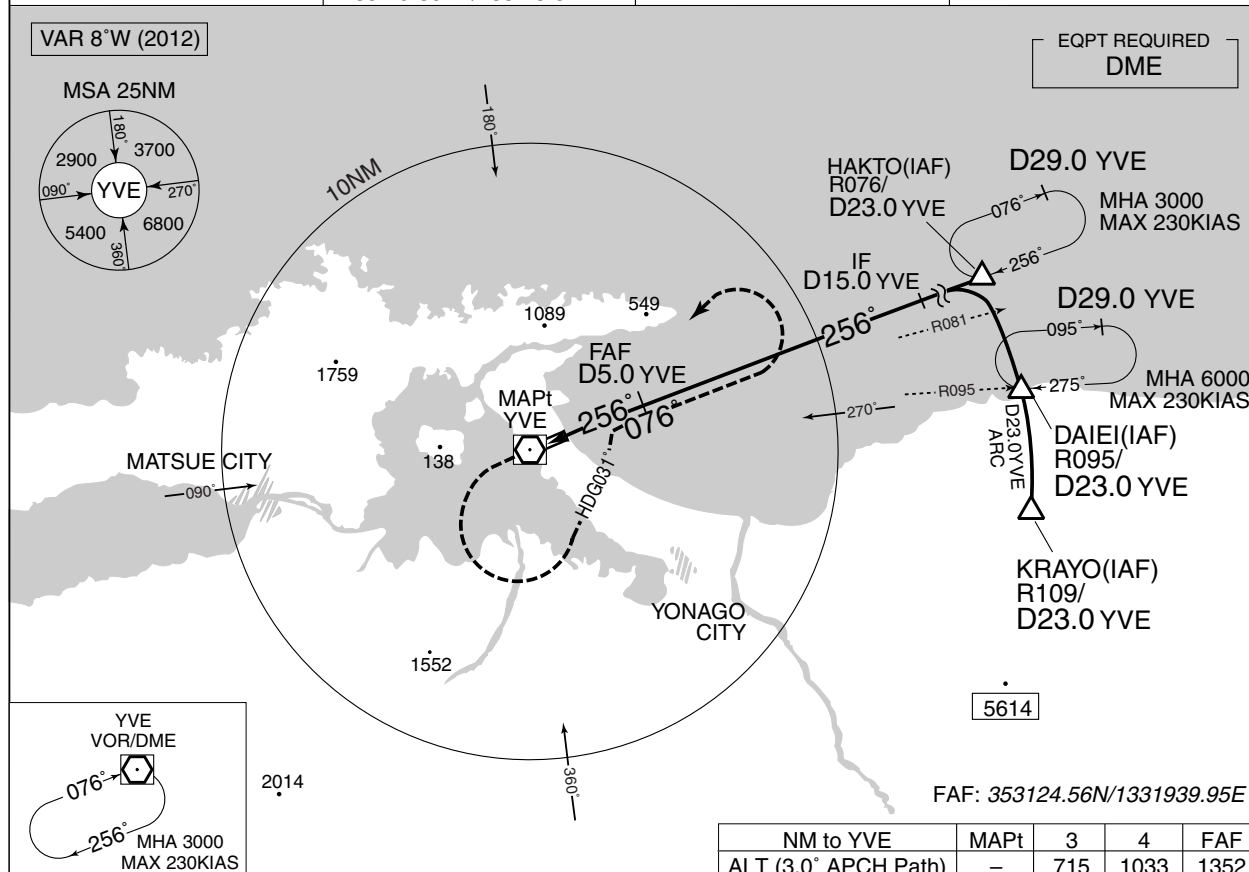
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJOH / MIHO

VOR Z RWY25

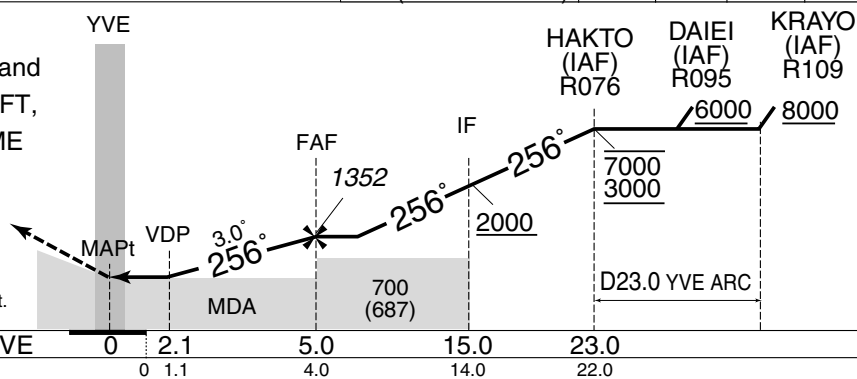
MIHO APP 120.1 – 125.4 258.2 – 317.8	YONAGO VOR/DME 114.1 YVE CH-88X 35°29'36"N / 133°13'57"E	MIHO TWR 236.8 - 126.2 275.8G	GCA AVBL CALL MIHO APP
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MISSED APPROACH

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

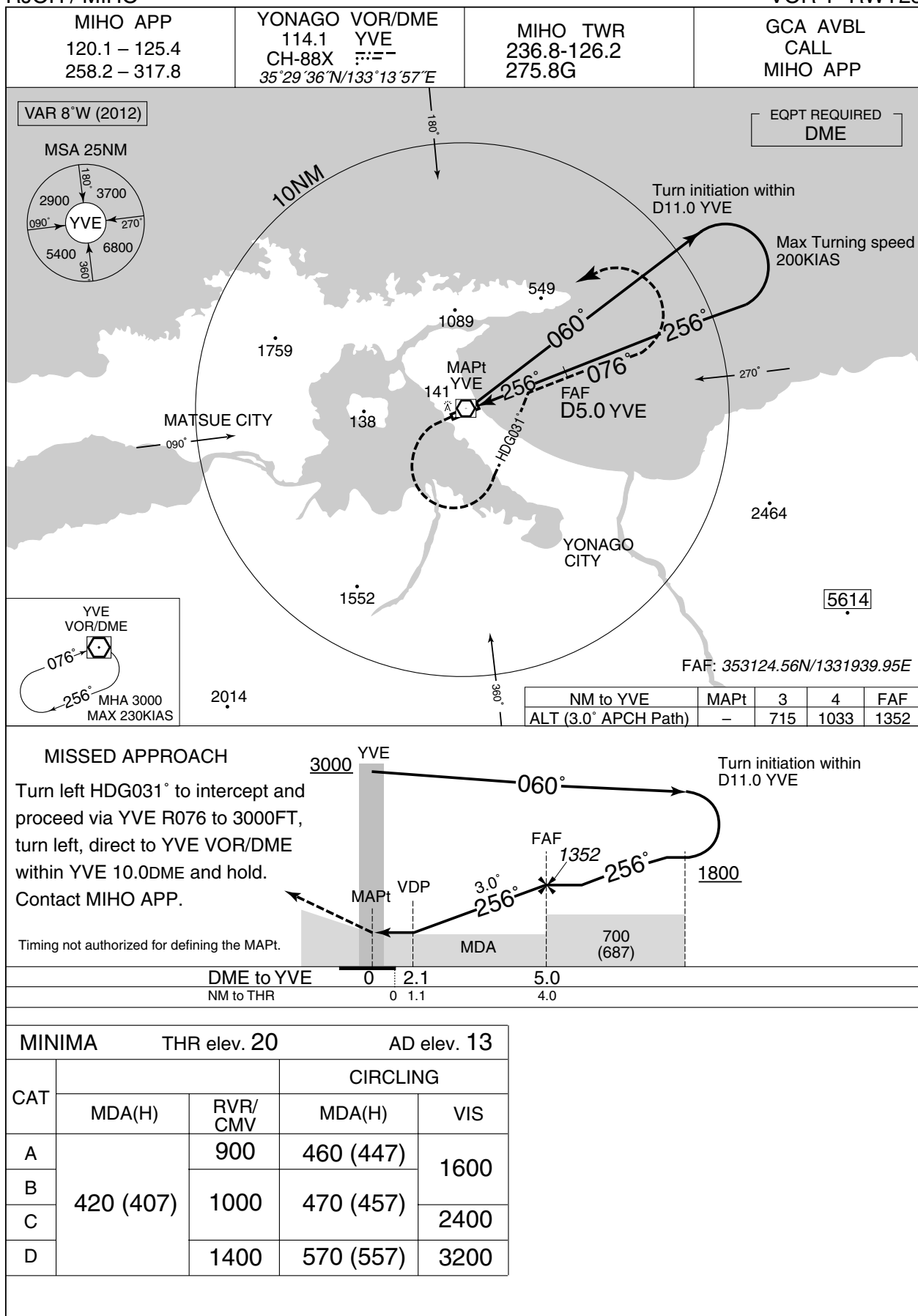
AD elev. 13

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

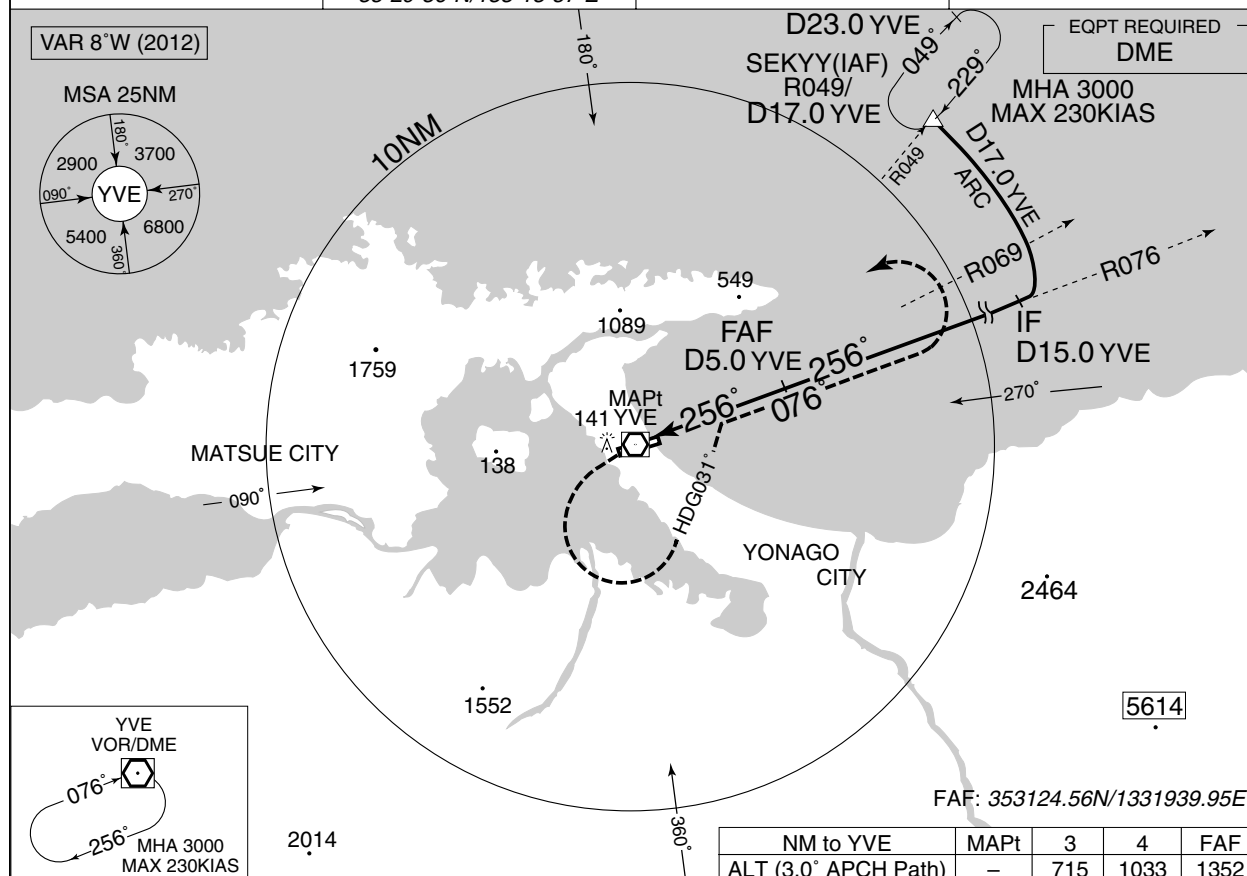
VOR Y RWY25



RJOH / MIHO

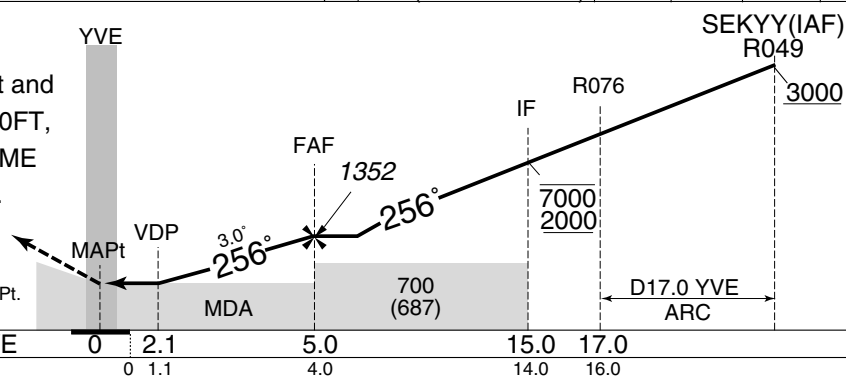
VOR X RWY25

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
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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.

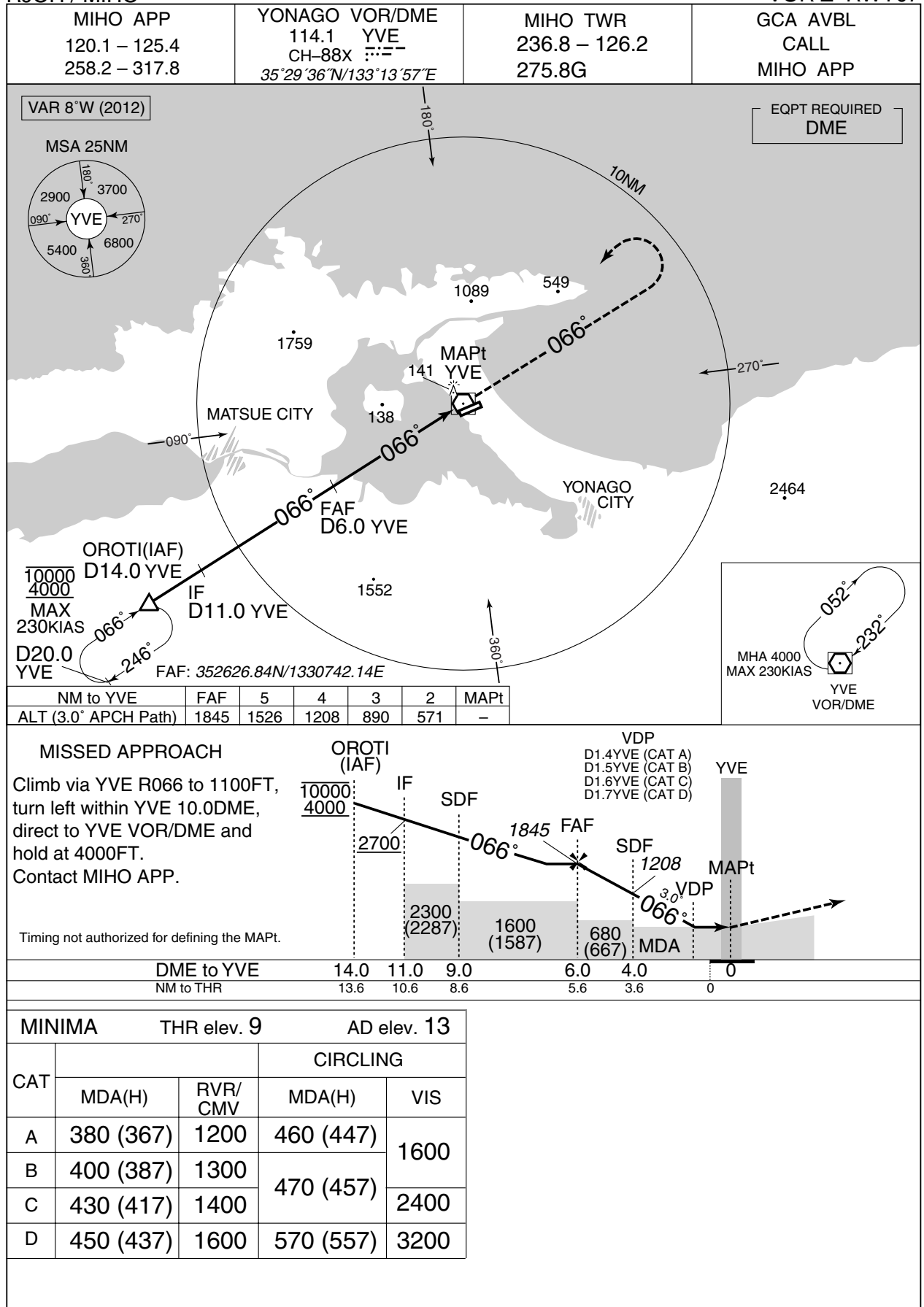


MINIMA		THR elev. 20	AD elev. 13	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	420 (407)	900	460 (447)	1600
B		1000	470 (457)	
C				2400
D		1400	570 (557)	3200

INSTRUMENT APPROACH CHART

RJOH / MIHO

VOR Z RWY07



INSTRUMENT APPROACH CHART

RJOH / MIHO

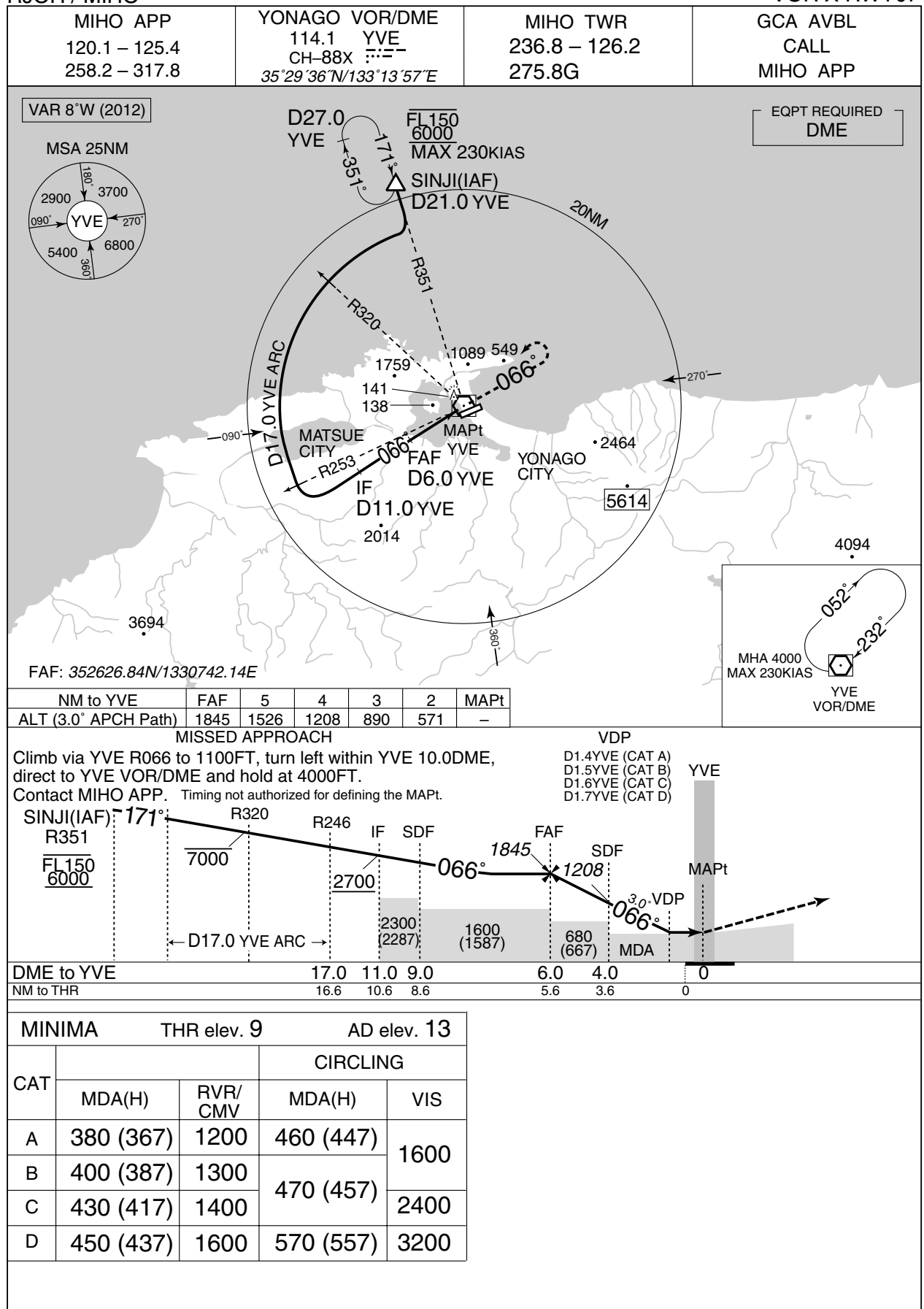
VOR Y RWY07



INSTRUMENT APPROACH CHART

RJOH / MIHO

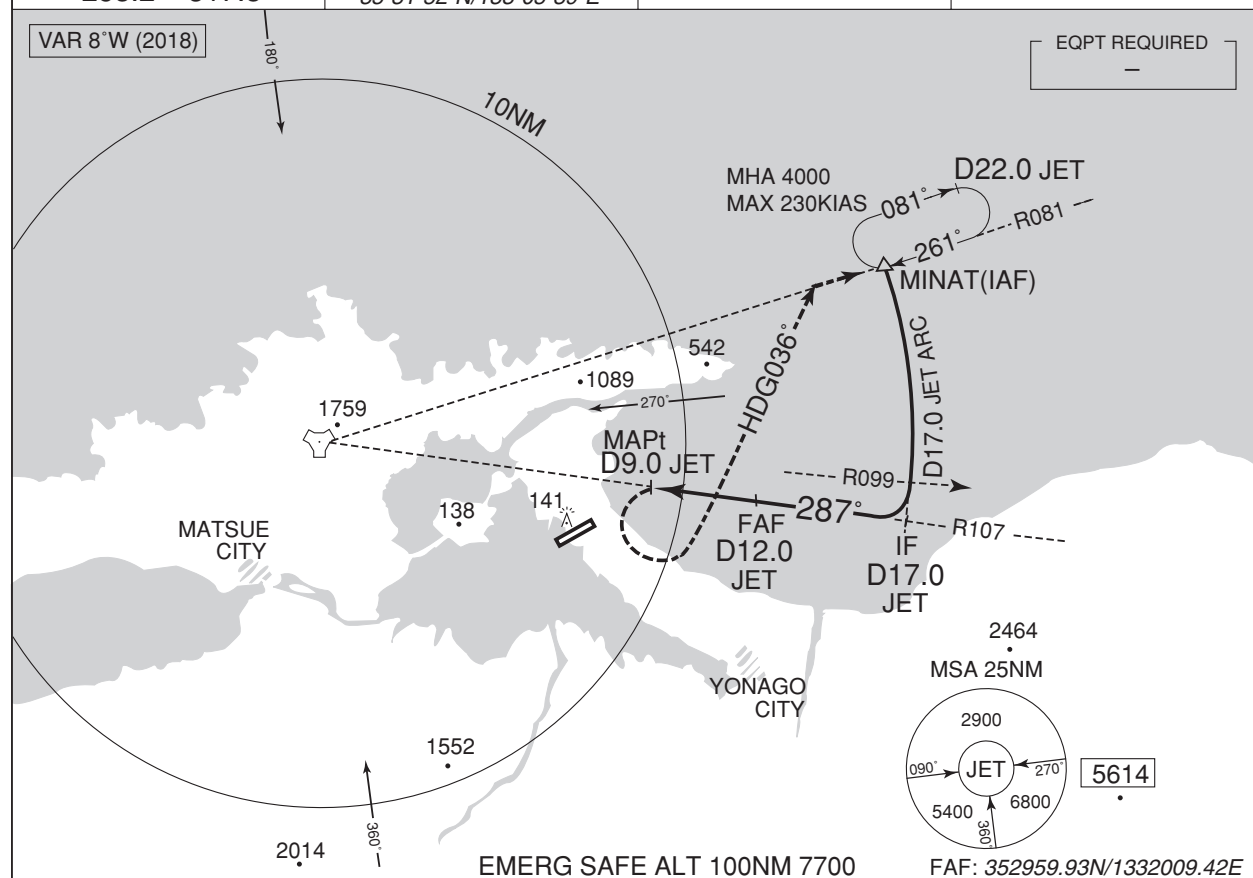
VOR X RWY07



RJOH / MIHO

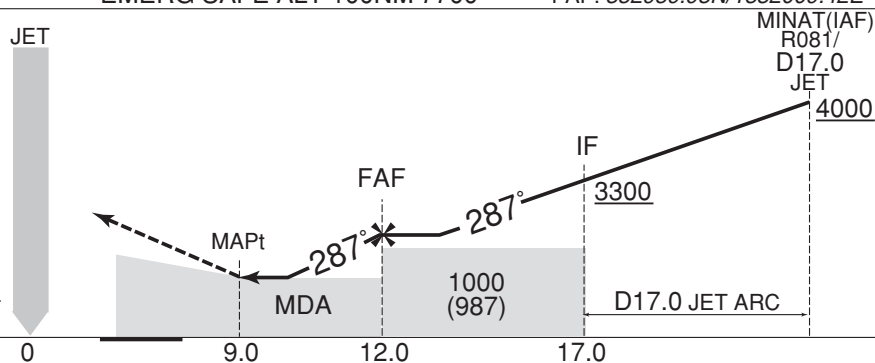
TACAN A

MIHO APP 120.1 – 125.4 258.2 – 317.8	MIHO TACAN 1201 JET CH-114X 35°31'52"N/133°05'39"E	MIHO TWR 236.8 - 126.2 275.8G	GCA AVBL CALL MIHO APP
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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		
C		2400
D		3200

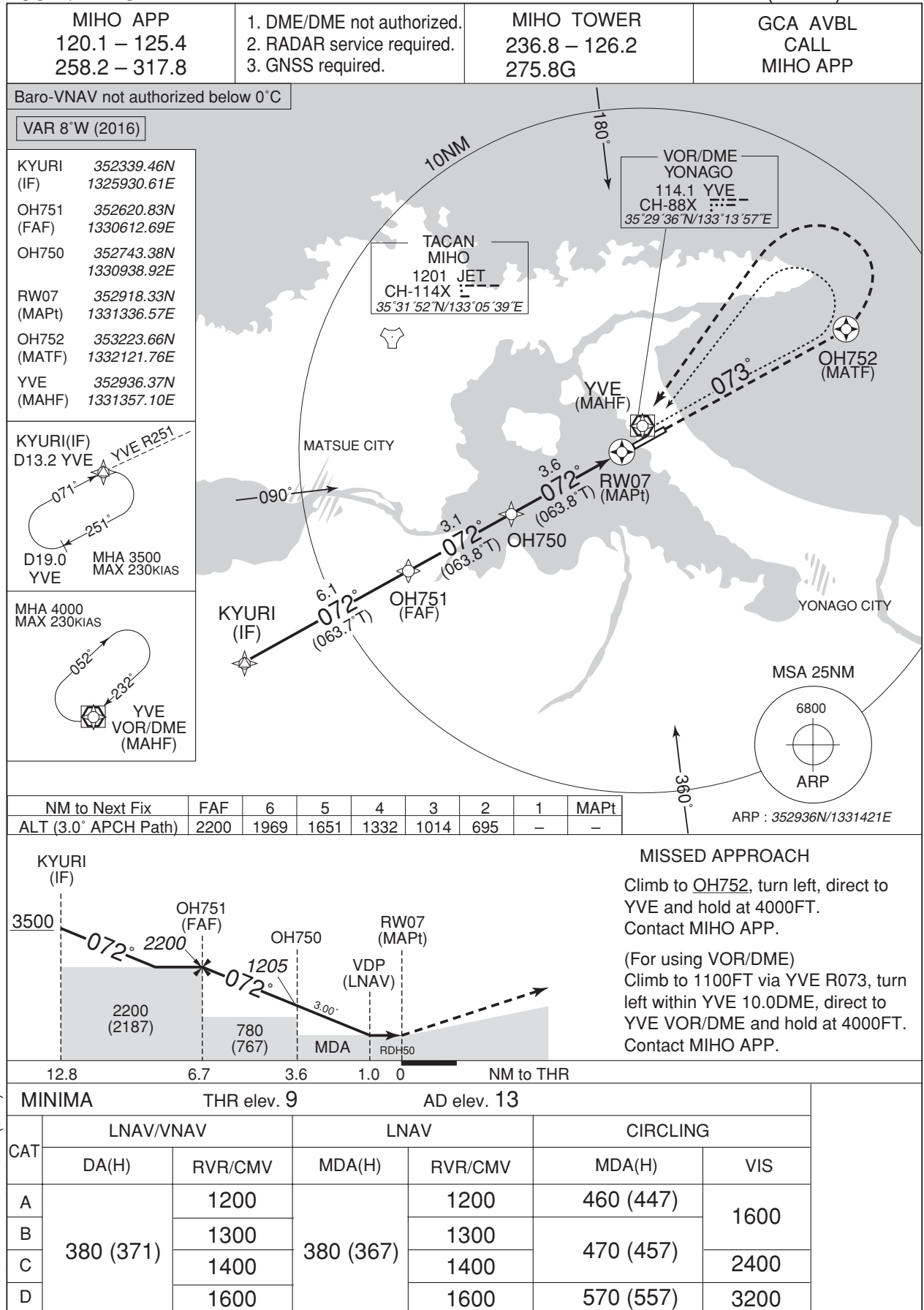
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR, MIHO TACAN(JET)

INSTRUMENT APPROACH CHART

RJOH / MIHO

RNAV(GNSS) RWY07



RJOH / MIHO

Minimum Vectoring Altitude CHART

