

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 ...

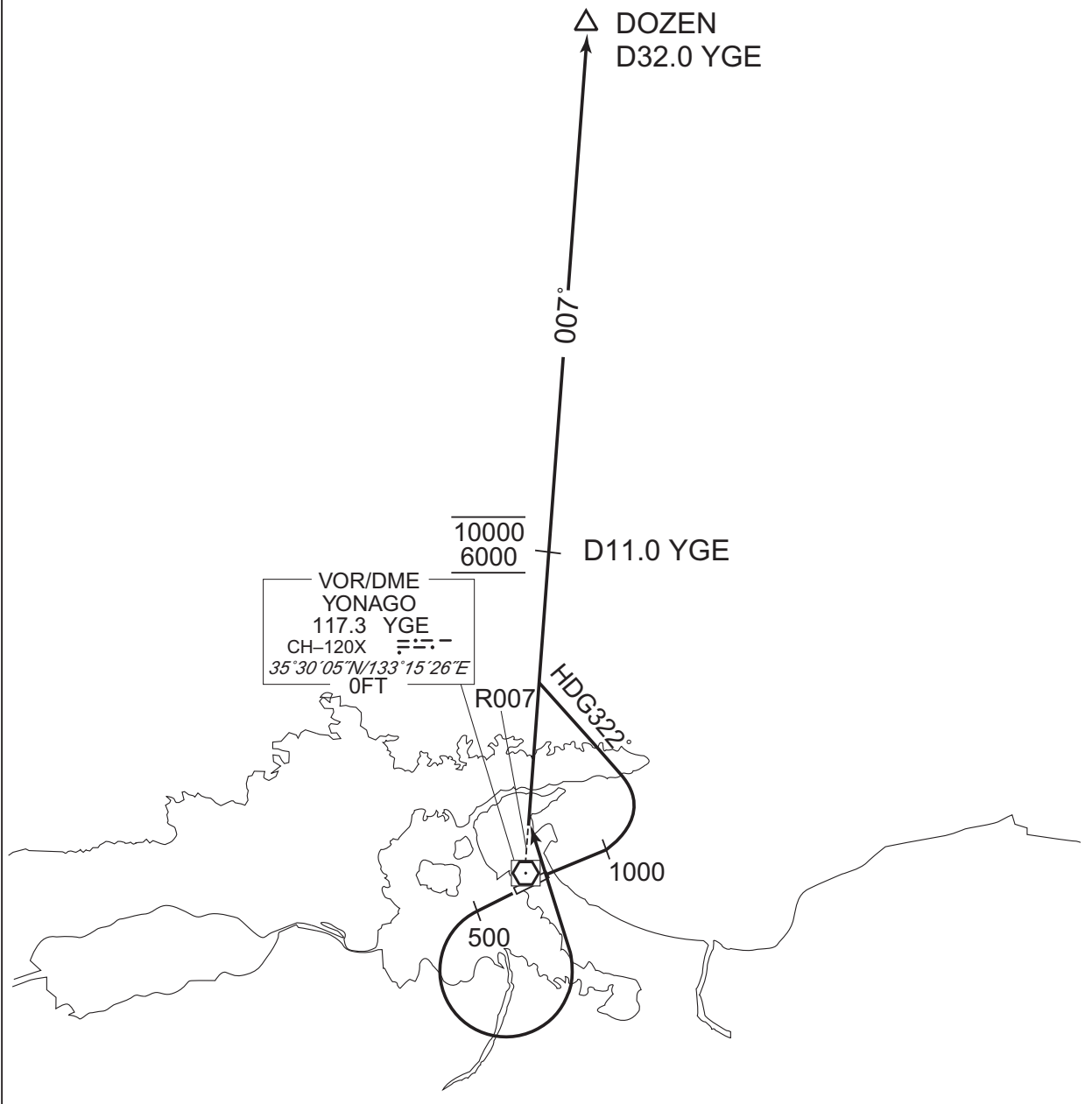
... to intercept and proceed via YGE R007 to DOZEN.

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



CHANGE : Description of VAR and PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

STAGE TWO DEPARTURE

RWY07

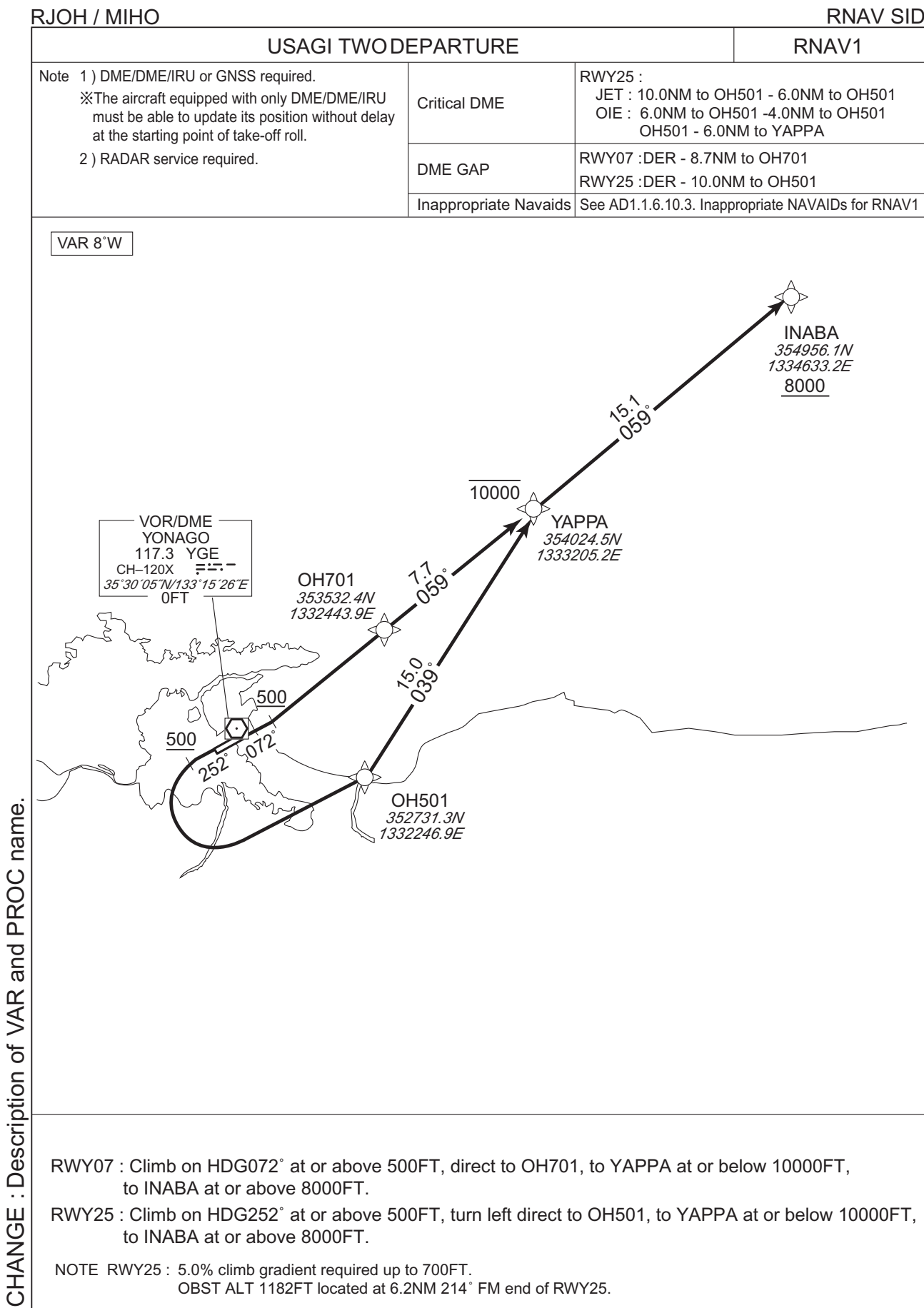
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001	VA	—	—	072 (063.9)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	OH703	—	329 (321.1)	-8.3	6.6	—	-10000	—	—	RNAV1
004	TF	STAGE	—	268 (259.6)	-8.3	31.5	—	—	—	—	RNAV1

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 : Description of VAR and PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

USAGI TWO DEPARTURE

RWY07

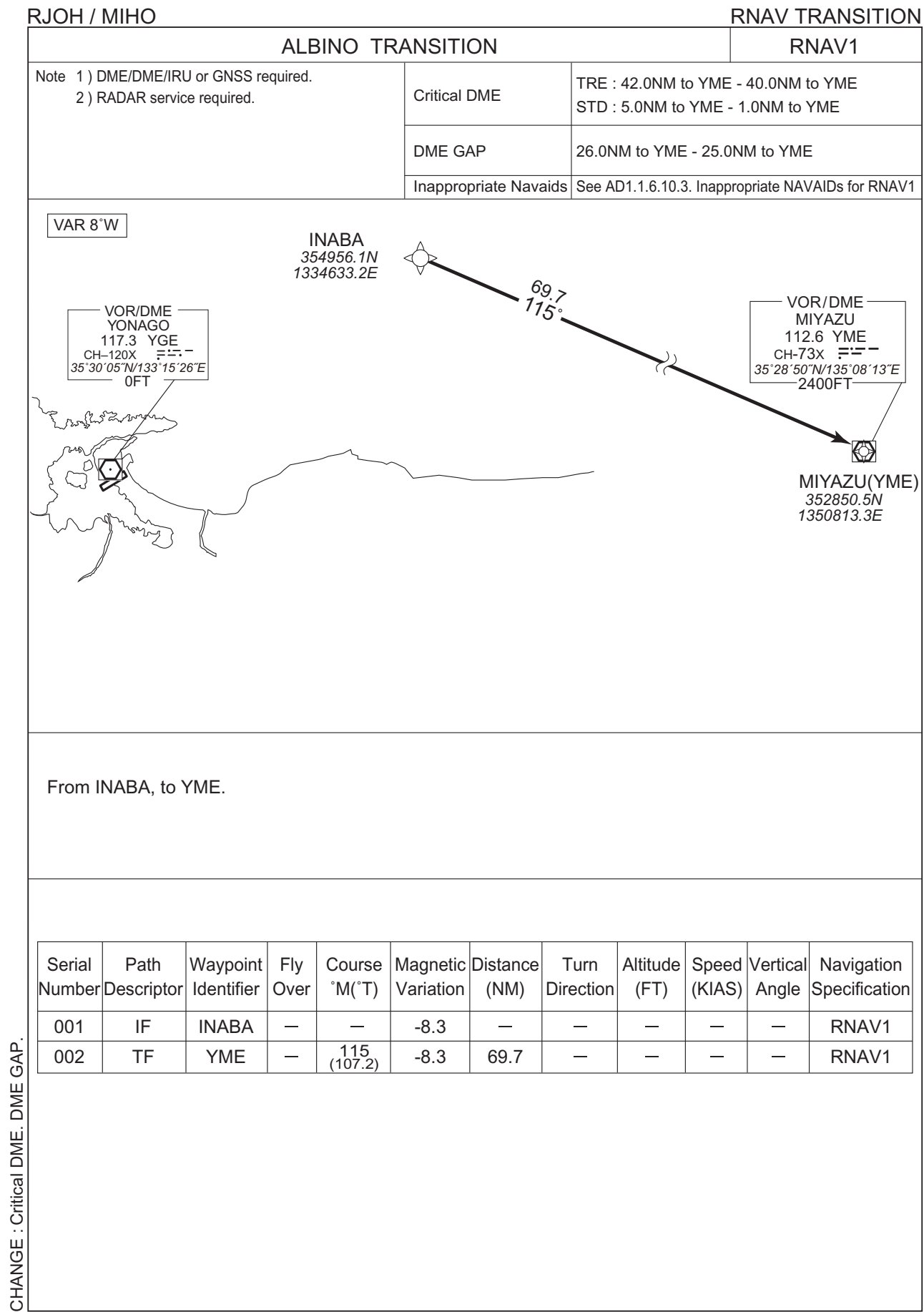
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	072 (063.9)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	YAPPA	—	059 (050.8)	-8.3	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

RNAV1

Inappropriate NavAids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1
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VAR 8°W

VORTAC
KOMATSU
112.0 KMC
CH-57X $\equiv \equiv$.
36°23'47"N/136°24'15"E

INABA
354956.1N
1334633.2E
8000

KUMIK
354959.9N
1340510.3E
FL160

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	—	—	-8.3	—	—	+8000	—	—	RNAV1
002	TF	KUMIK	—	098 (089.7)	-8.3	15.1	—	+FL160	—	—	RNAV1
003	TF	KMC	—	081 (072.6)	-8.3	117.4	—	—	—	—	RNAV1

CHANGE : Critical DME deleted.

STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE : Description of VAR and PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO

RNAV SID

KITARO TWO DEPARTURE

RWY07

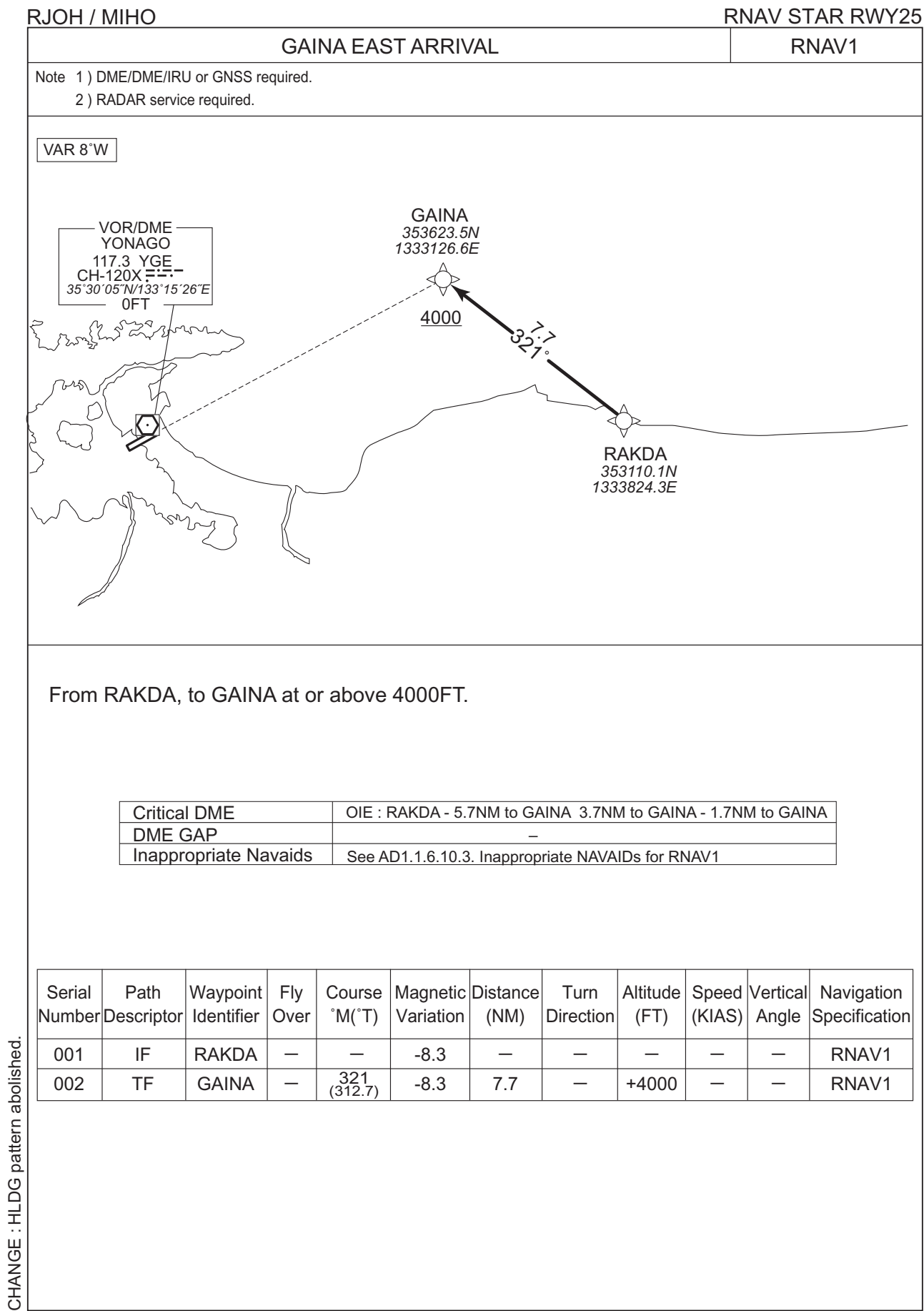
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	072 (063.9)	-8.3	—	—	+500	—	—	RNAV1
002	DF	OH701	—	—	-8.3	—	—	—	—	—	RNAV1
003	TF	OH703	—	329 (321.1)	-8.3	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

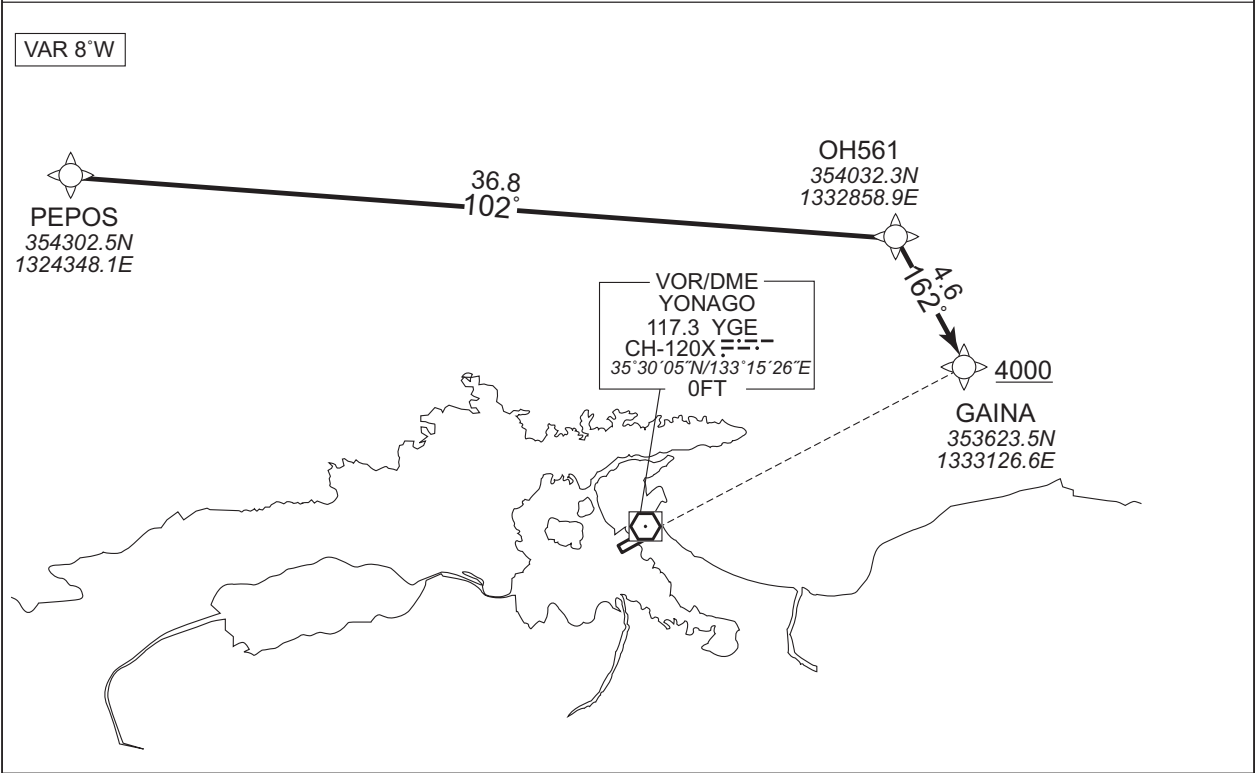
RJOH / MIHO

RNAV STAR RWY25

GAINA WEST ARRIVAL

RNAV1

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



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

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 : HLDG pattern abolished.

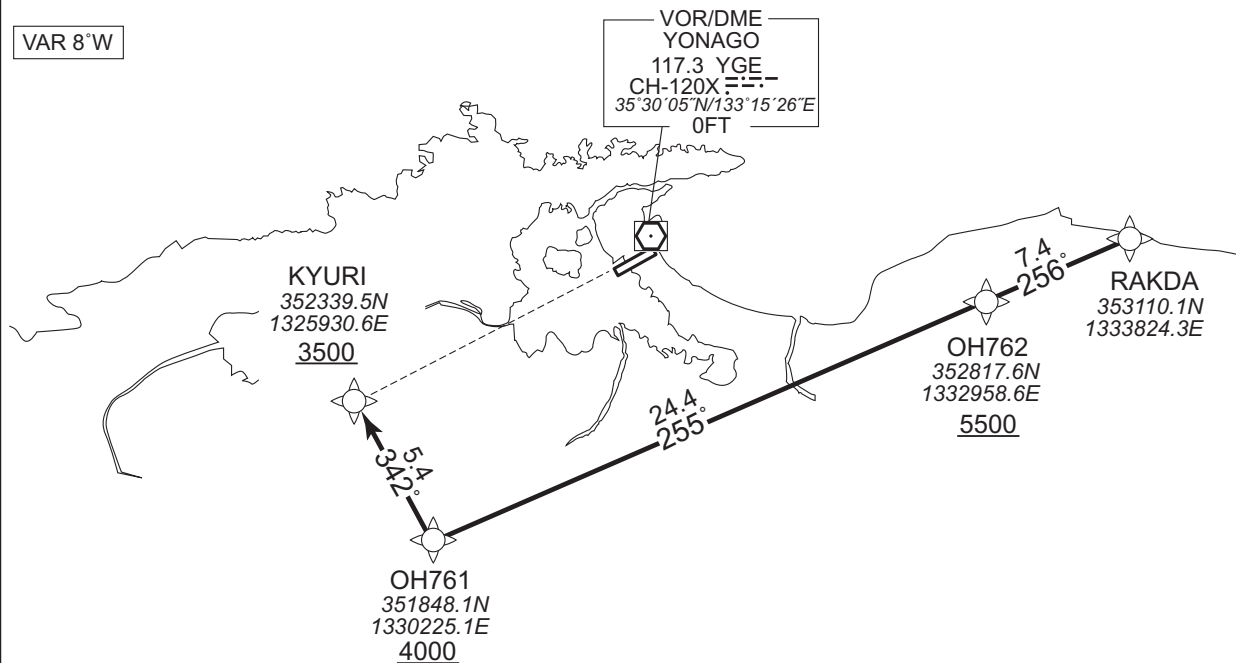
RJOH / MIHO

RNAV STAR RWY07

KYURI EAST ARRIVAL

RNAV1

VAR 8°W



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 : HLDG pattern abolished.

STANDARD ARRIVAL CHART - INSTRUMENT

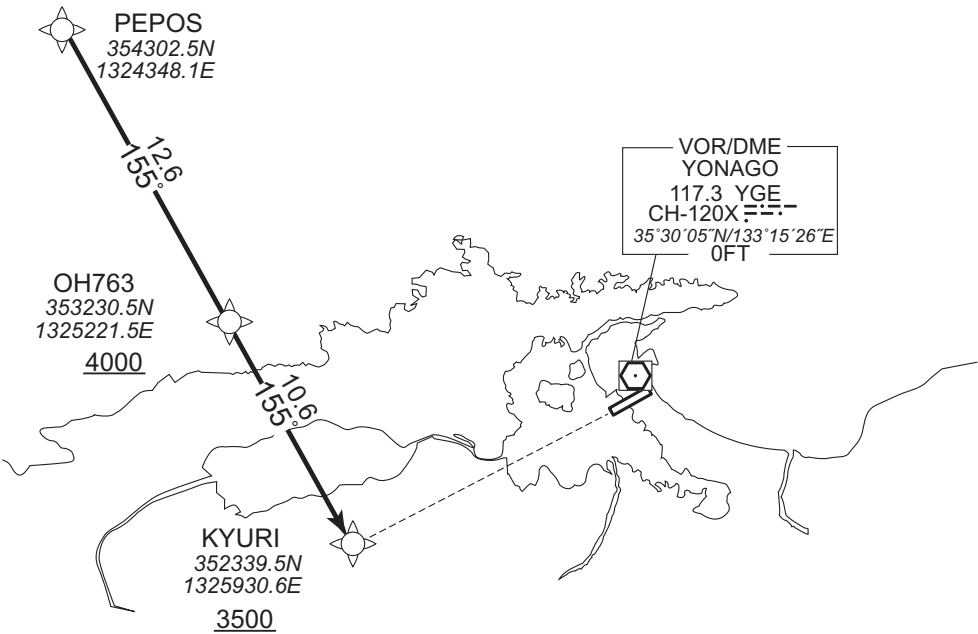
RJOH / MIHORNAV STAR RWY07

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

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 : HLDG pattern abolished.

INSTRUMENT APPROACH CHART

RJOH / MIHO

ILS Z or LOC Z RWY25



CHANGE : OBST HGT(141→161).

INSTRUMENT APPROACH CHART



RJOH / MIHO

ILS X or LOC X RWY25

VAR 8°W

MSA 25NM

YGE

2900 3100 5400 6800

090° 180° 270° 360°

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

1759

MATSUE CITY

090°

1089 549

MAPt(LOC) D0.6 IYV

161

HDG 251°

HDG 031°

YONAGO CITY

1552

D22.0 YGE MHA 3000 MAX 230KIAS

048

228°

R048

D15.9 YGE

R065

SEKYYY(IAF) R048/D15.9 YGE

GAINA(IF) D15.0 IYV

251°

YUMII(FAF) D6.1 IYV

270°

MHA 4000 MAX 230KIAS D21.0 IYV

071°

251°

GAINA D15.0 IYV

NOT TO SCALE

5673

YUMII(FAF): 353230.28N/1332138.45E

NOT TO SCALE YGE VOR/DME

061°

241°

MHA 3000 MAX 230KIAS

2014

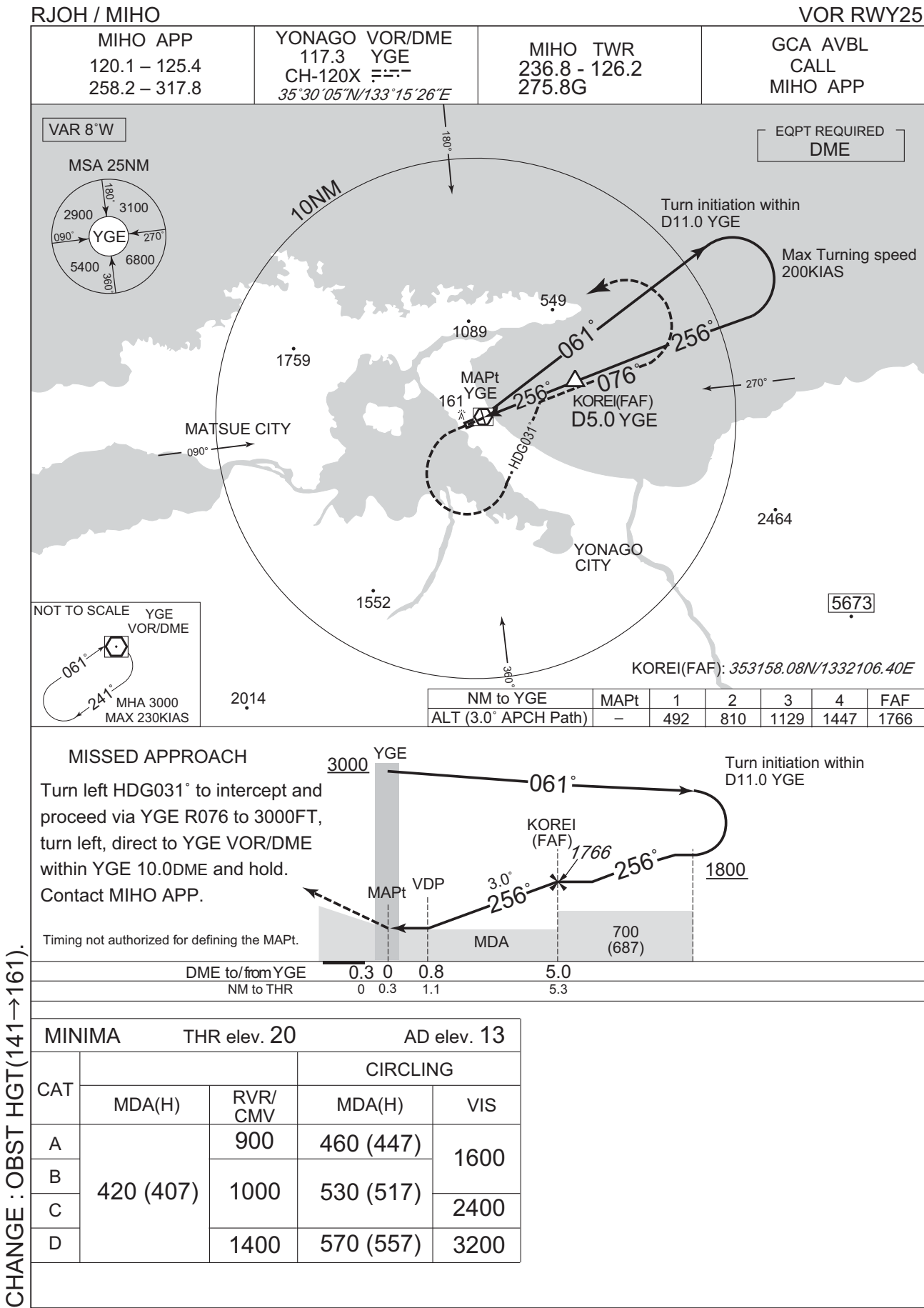
NM to IYV	MAPt	2	3	4	5	FAF
ALT (3.0° APCH Path)	—	652	970	1289	1607	1962

CHANGE : OBST HGT (141→161).

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	530 (517)	
C						2400
D						

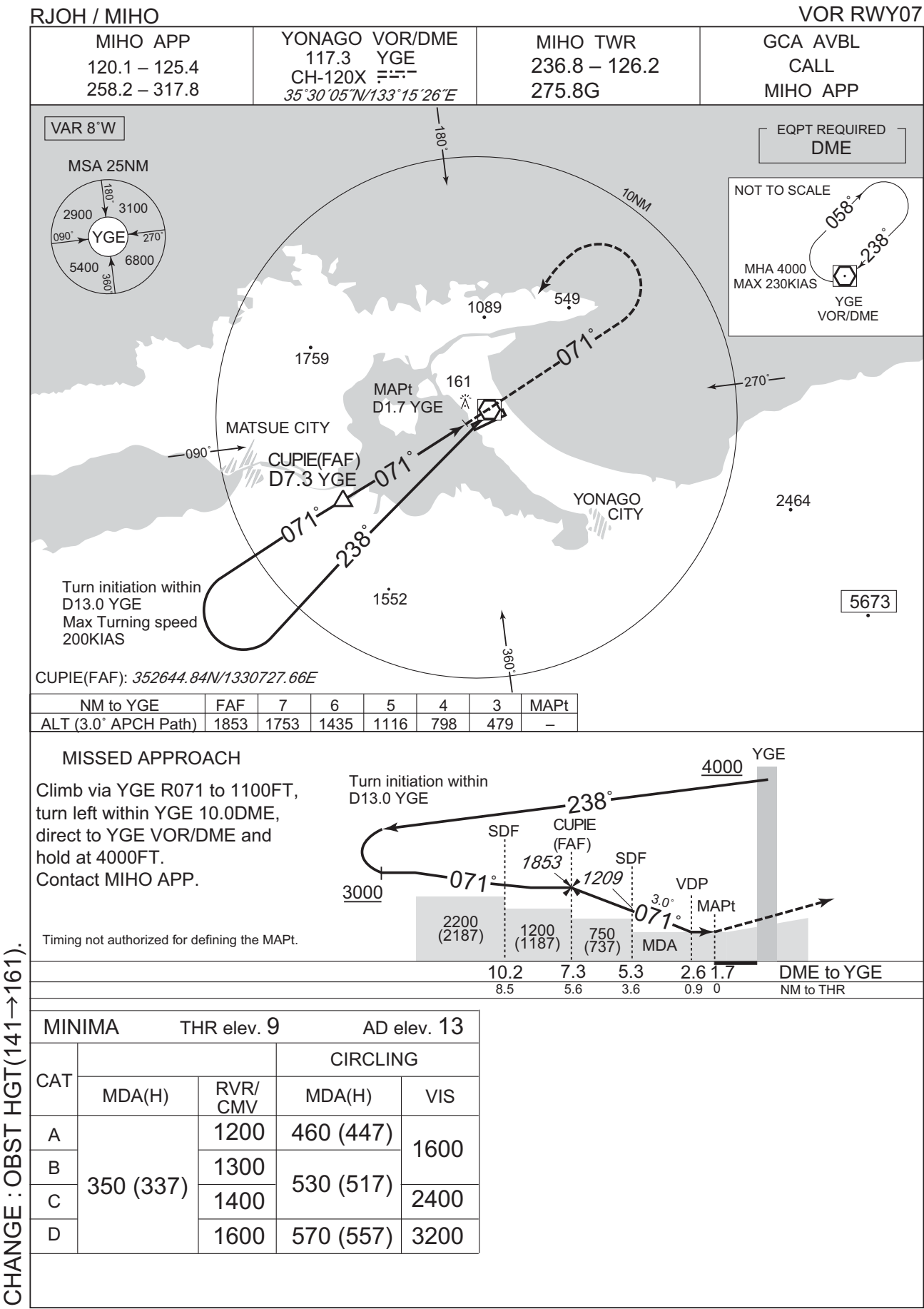
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

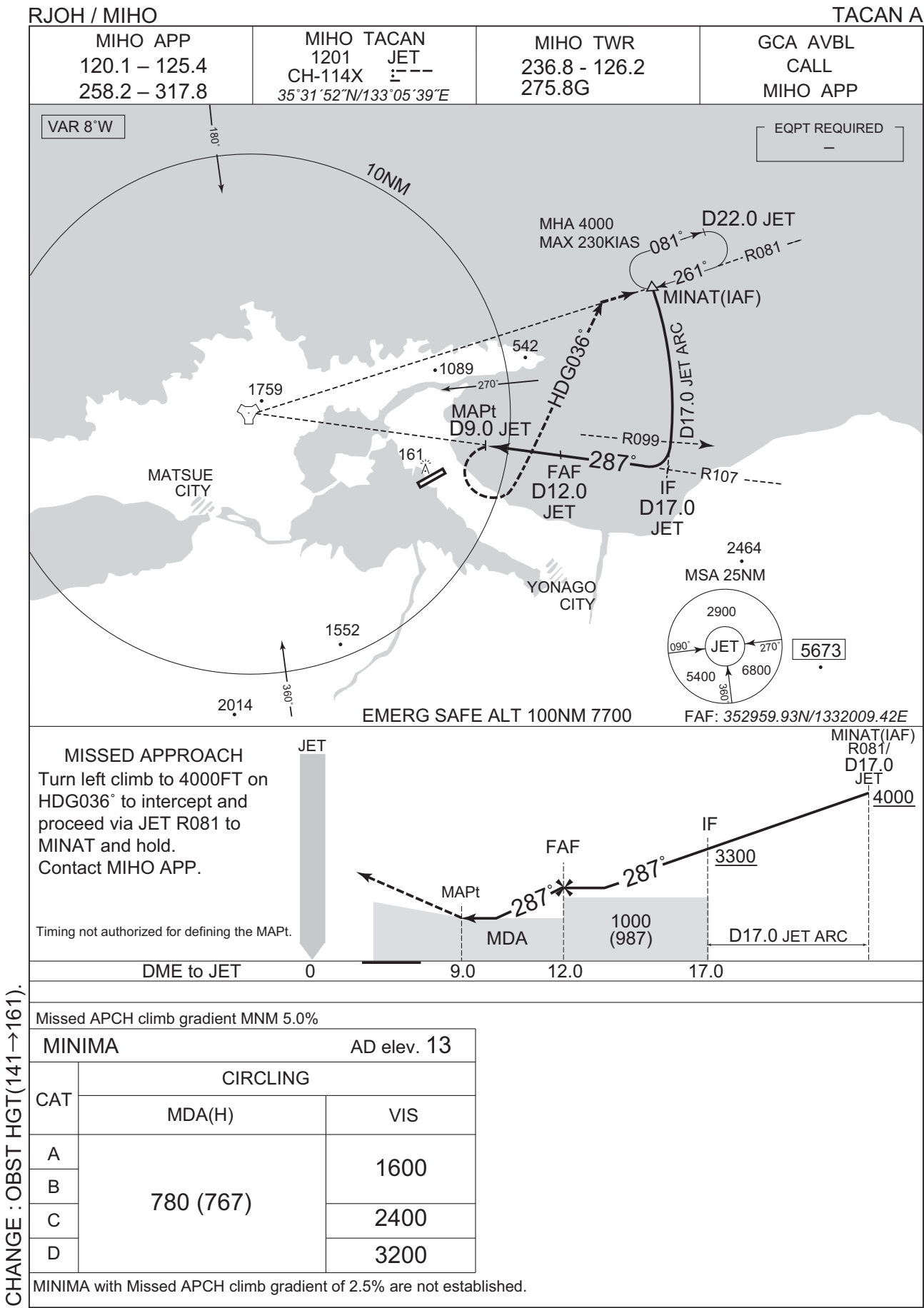


CHANGE : OBST HGT(141→161).

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



CHANGE : OBST HGT(141→161).

CHANGE : PROC renamed. MNM temperature for Baro-VNAV. Missed APCH for using NAVAID abolished.



INSTRUMENT APPROACH CHART



CHANGE : New PROC.

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

