

RJOH / MIHO SID

# MIHO REVERSAL FIVE DEPARTURE

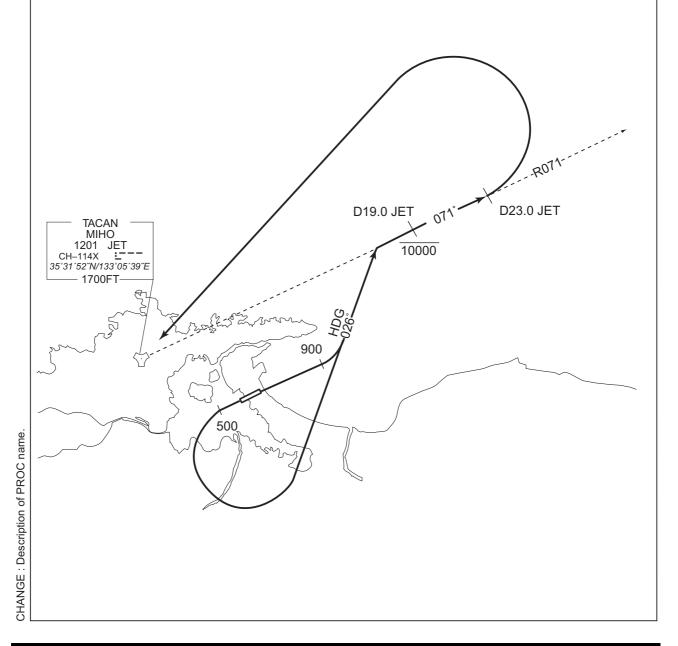
RWY 07: Climb RWY HDG to 900FT, ... RWY 25: Climb RWY HDG to 500FT, ...

...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.



RJOH / MIHO SID

# YONAGO REVERSAL SEVEN DEPARTURE

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

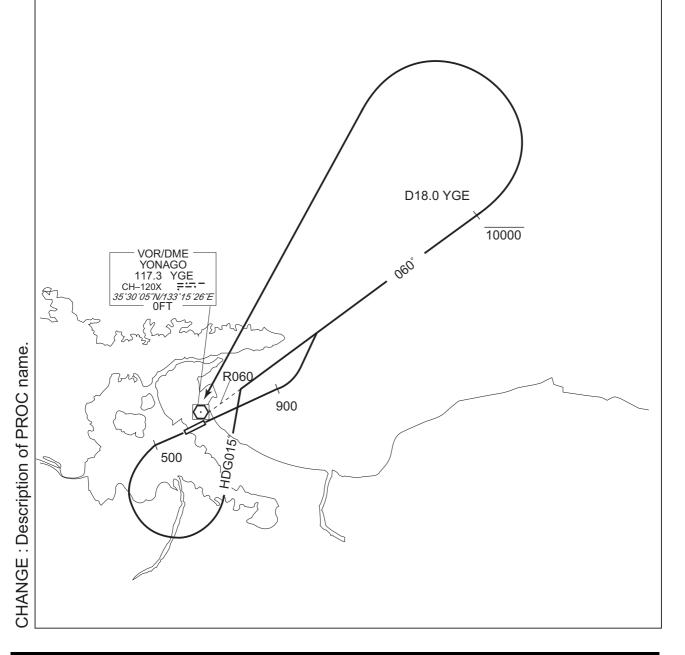
RWY 25: Climb RWY HDG to 500FT, turn left HDG015° ...

... 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.



### **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.

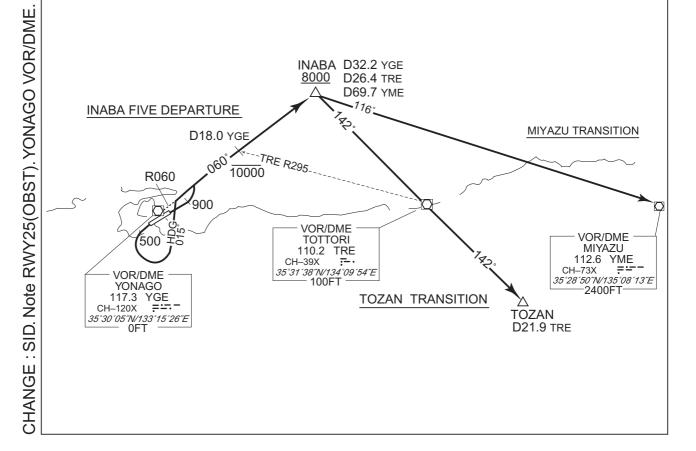
OBST ALT 1116FT located at 6.1NM 213° FM end of RWY25.

### **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.



# 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.



RJOH / MIHO SID

# DOZEN SIX DEPARTURE

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

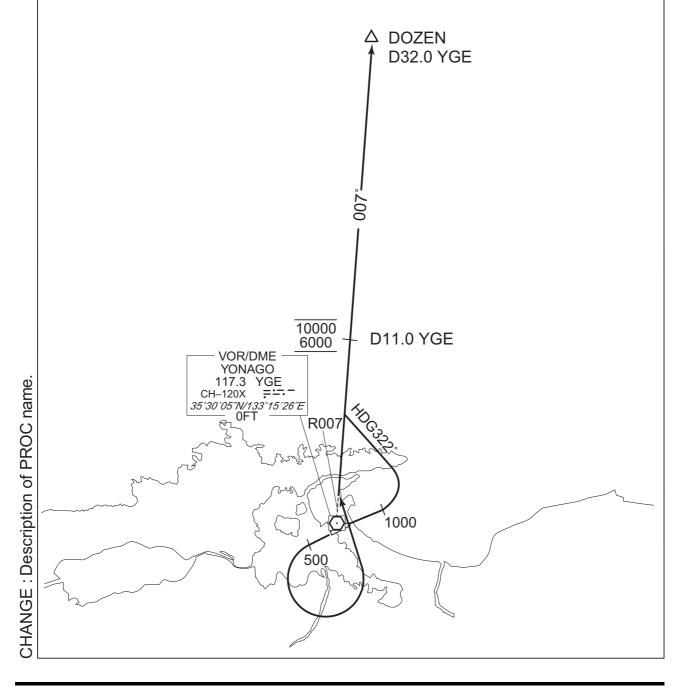
RWY 25: Climb RWY HDG to 500FT, turn left ...

... 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.



**RJOH / MIHO RNAV SID** STAGE TWO DEPARTURE RNAV1 RWY07: Note 1) DME/DME/IRU or GNSS required. OIE: 12.6NM to STAGE - STAGE XThe aircraft equipped with only DME/DME/IRU RWY25: must be able to update its position without delay at the starting point of take-off roll. Critical DME JET: 10.0NM to OH501 - 6.0NM to OH501 OIE: 6.0NM to OH501 -4.0NM to OH501 2) RADAR service required. OH501 - OH701 12.6NM to STAGE - STAGE RWY07: DER - 8.7NM to OH701 DME GAP RWY25: DER - 10.0NM to OH501 Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 VAR 8°W OH703 354038.6N 10000 1331939.2E 268 VOR/DME YONAGO OH701 117.3 YGE 353532.4N CH−120X === 35°30′05″N/133°15′26″E 1332443.9E **STAGE** 0FT 353451.7N 500 1324135.7E ထ 500 OH501 352731.3N 1332246.9E 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.

RJOH / MIHO RNAV SID

# STAGE TWO DEPARTURE

# RWY07

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction		•		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	,	Course °M(°T)	Magnetic Variation		Turn Direction		•	1	Navigation Specification
001	VA		-	252 (243.9)	-8.3	_	_	+500	_	_	RNAV1
002	DF	OH501	1	_	-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

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

OBST ALT 1182FT located at 6.2NM 214° FM end of RWY25.

CHANGE: Description of VAR and PROC name.

RJOH / MIHO RNAV SID

# USAGI TWO DEPARTURE

# RWY07

Serial Number	Path Descriptor	Waypoint Identifier	1	Course °M(°T)	Magnetic Variation		Turn Direction		•		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	1	Course °M(°T)	Magnetic Variation		Turn Direction				Navigation Specification
001	VA	_	_	252 (243.9)	-8.3	-	1	+500	_	1	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

MIYAZU(YME) 352850.5N 1350813.3E

### STANDARD DEPARTURE CHART - INSTRUMENT

RJOH / MIHO			RNAV TRANSITION		
ALBINO TR	ANSITION		RNAV1		
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	TRE: 42.0NM to YME			
	DME GAP	26.0NM to YME - 25.0	ONM to YME		
	Inappropriate Navaids	See AD1.1.6.10.3. Inapp	propriate NAVAIDs for RNAV1		
VAR 8°W INABA 354956.1N 1334633.2E	69				
VOR/DME YONAGO 117.3 YGE CH-120X = 35°30′05″N/133°15′26″E 0FT	69.7 115°		VOR/DME  MIYAZU  112.6 YME  CH-73X == -  35°28′50″N/135°08′13″E  2400FT		

From INABA, to YME.

Serial Number	Path Descriptor	Waypoint Identifier					Turn Direction		•		Navigation Specification
001	IF	INABA	_	_	-8.3	_	_	_	_	_	RNAV1
002	TF	YME	_	115 (107.2)	-8.3	69.7	_	_	_	_	RNAV1

KOMATSU TE	RANSITION	RNAV1
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 RNA
VAR 8°W  15.1 098°  INABA 354956.1N 334633.2E 8000  KUMIK 354959.9N 1340510.3E FL160	117. <sup>4</sup> ° - 081°	KOMATSU(KMC 362347.3N 1362415.3E  VORTAC  KOMATSU 112.0 KMC  CH-57X ≡ Ξ. 36°23′47″N/136°24′15″E

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)		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

**RJOH / MIHO RNAV SID** KITARO TWO DEPARTURE RNAV1 NOTE 1) DME/DME/IRU or GNSS required. RWY07 TRE: 1.0NM to OH703 - 7.0NM to MIHOU XThe aircraft equipped with only DME/DME/IRU RWY25 must be able to update its position without delay Critical DME JET: 10.0NM to OH501 - 6.0NM to OH501 at the starting point of take-off roll. OIE: 6.0NM to OH501 - 4.0NM to OH501 2) RADAR service required. OH501 - OH701 TRE: 1.0NM to OH703 - 7.0NM to MIHOU RWY07: DER - 8.7NM to OH701 DME GAP RWY25: DER - 10.0NM to OH501 Inappropriate Navaids See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 VAR 8°W OH703 354038.6N 1331939.2E 10000 **TACAN** MIHO 1201 J ĴΕΤ CH-114X *□* 35°31′52″N/133°05′39″E 1700FT OH701 353532.4N 1332443.9E **MIHOU** <u>500</u> 353152.0N 1330538.1E 8000 500 072 252 OH501 352731.3N 1332246.9E VOR/DME YONAGO 117.3 YGE CH-120X 35°30′05″W133°15′26″E — 0FT 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.

RJOH / MIHO RNAV SID

# KITARO TWO DEPARTURE

# RWY07

Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	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	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	ı	_	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

RJOH / MIHO

GAINA EAST ARRIVAL

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

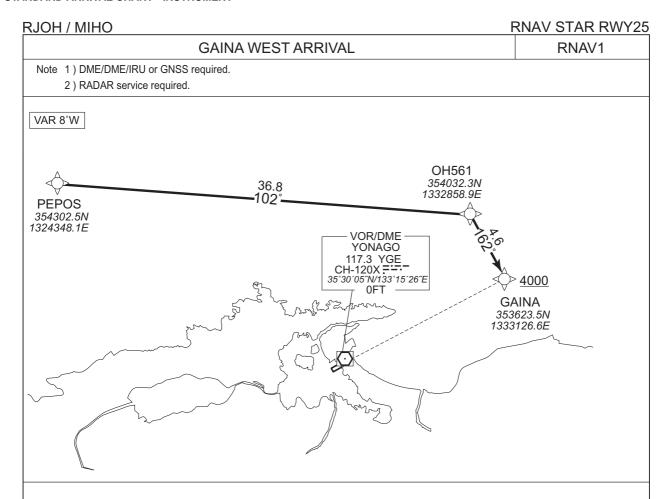
2) RADAR service required.

VOR/DME
YONAGO
1333126.6E
CH-120X = -3530 05 IV/33 15:26 E
UH 120X = -3530 05 IV/33 15:26 E
UH 120X = -3530 15 IV/33 IV/34 IV/33 IV/34 IV/

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 Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

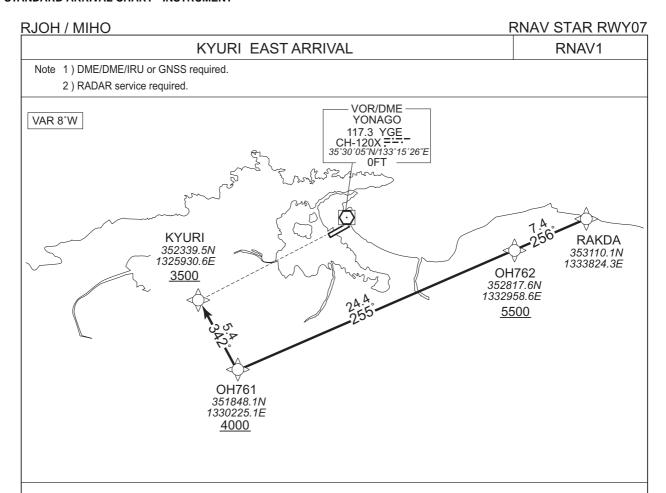
Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	IF	RAKDA	_	_	-8.3	_	_	_	_	_	RNAV1
002	TF	GAINA	_	321 (312.7)	-8.3	7.7	_	+4000	1	-	RNAV1



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	1		Magnetic Variation		Turn Direction				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



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

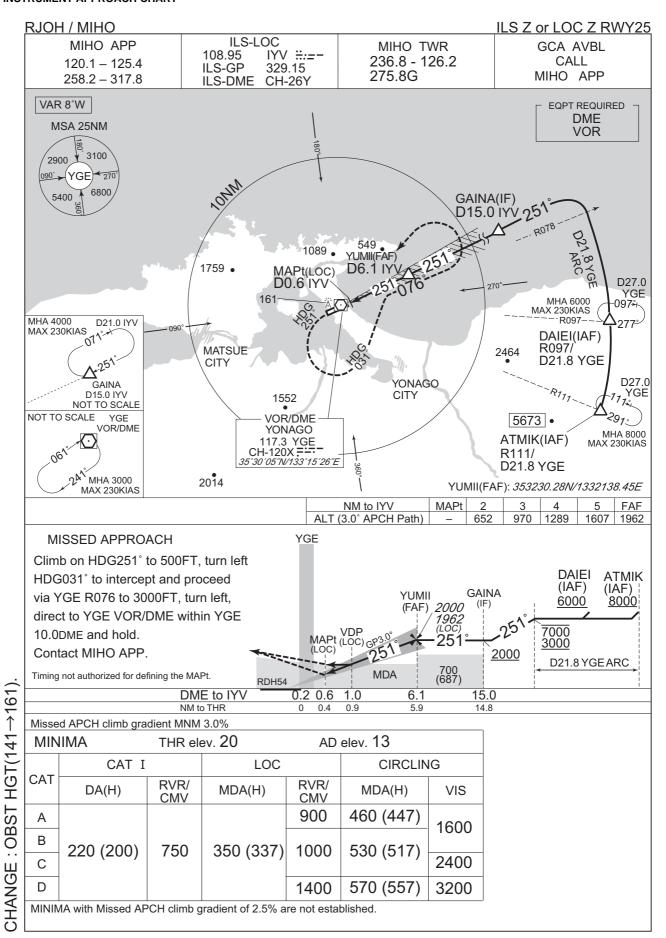
Serial Number	Path Descriptor	Waypoint Identifier	,	Course °M(°T)	Magnetic Variation		Turn Direction		Speed (KIAS)		Navigation Specification
001	IF	RAKDA	_	_	-8.3	_	_		_	_	RNAV1
002	TF	OH762	_	256 (247.3)	-8.3	7.4	_	+5500	_	_	RNAV1
003	TF	OH761	_	255 (247.2)	-8.3	24.4	_	+4000	_	_	RNAV1
004	TF	KYURI	_	342 (334.0)	-8.3	5.4	_	+3500	-	_	RNAV1
				, ,							

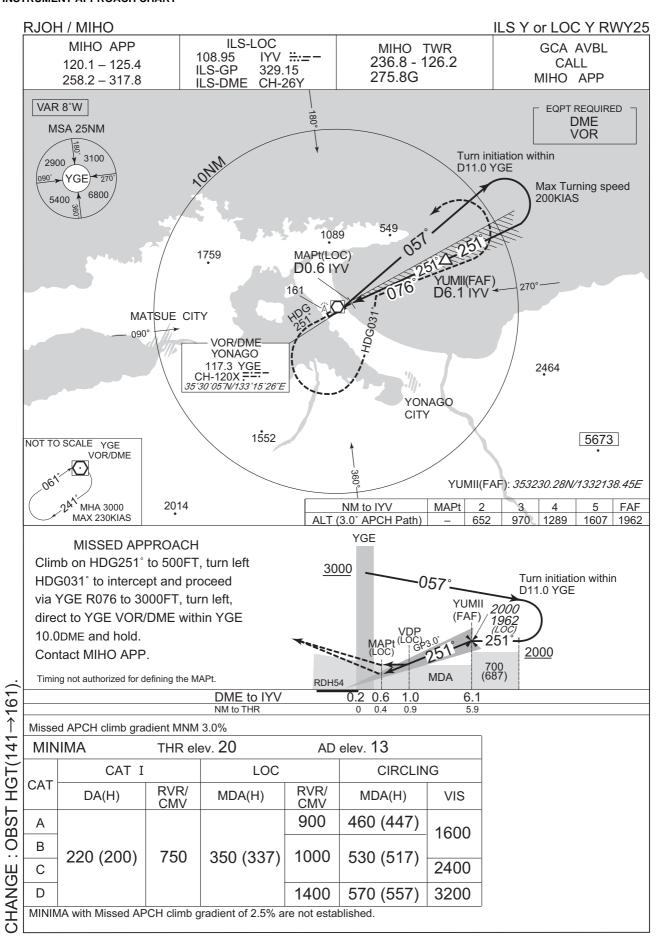
**RNAV STAR RWY07 RJOH / MIHO** KYURI WEST ARRIVAL RNAV1 Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W PEPOS 354302.5N 324348.1E VOR/DME YONAGO 117.3 YGE CH-120X = ---35°30′05″N/133°15′26″E —/ OFT **OH763** 353230.5N 1325221.5E <u>4000</u> 300 **KYURI** 352339.5N 1325930.6E <u>3500</u>

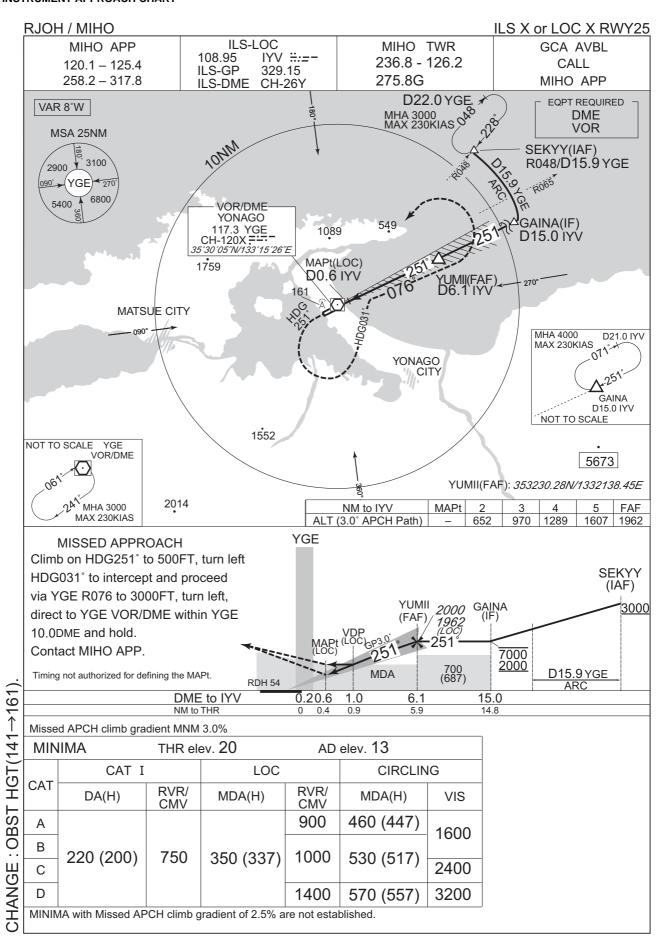
From PEPOS, to OH763 at or above 4000FT, to KYURI at or above 3500FT.

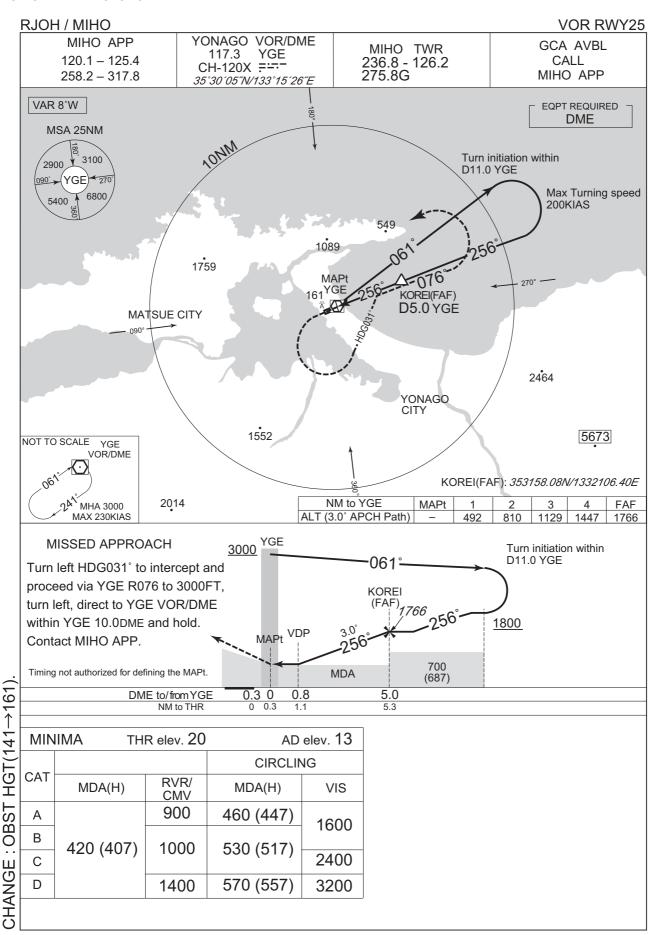
Critical DME	OIE : 3NM to KYURI - 2NM to KYURI
DME GAP	_
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

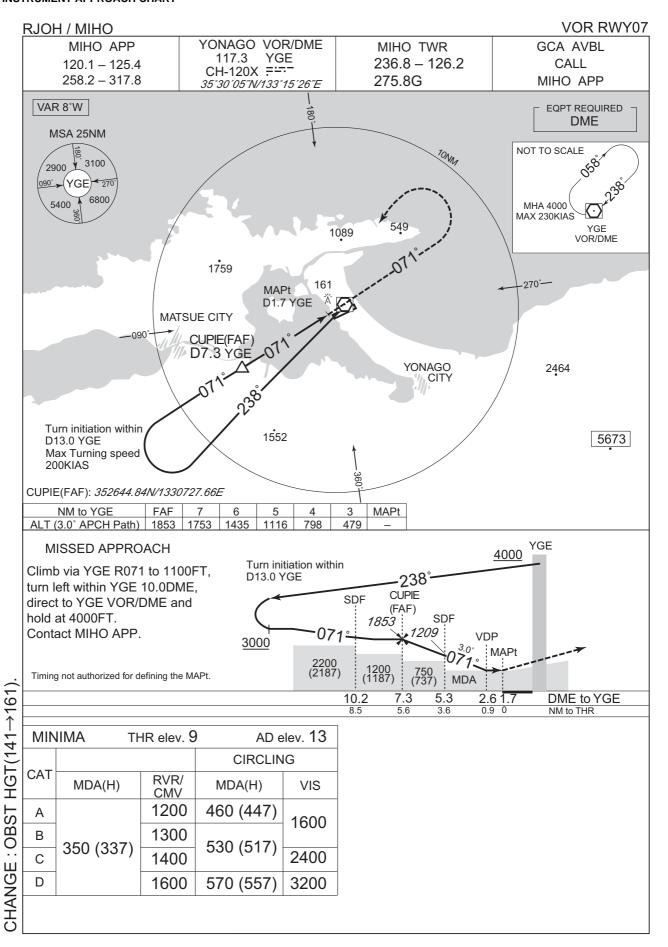
Seria Numb	l Path er Descriptor	Waypoint Identifier		Course °M(°T)	Magnetic Variation		Turn Direction		•		Navigation Specification
001	IF	PEPOS	_	_	-8.3	_	_	_	_	_	RNAV1
002	TF	OH763	_	155 (146.5)	-8.3	12.6	_	+4000	_	_	RNAV1
003	TF	KYURI	_	155 (146.6)	-8.3	10.6	_	+3500	_	_	RNAV1

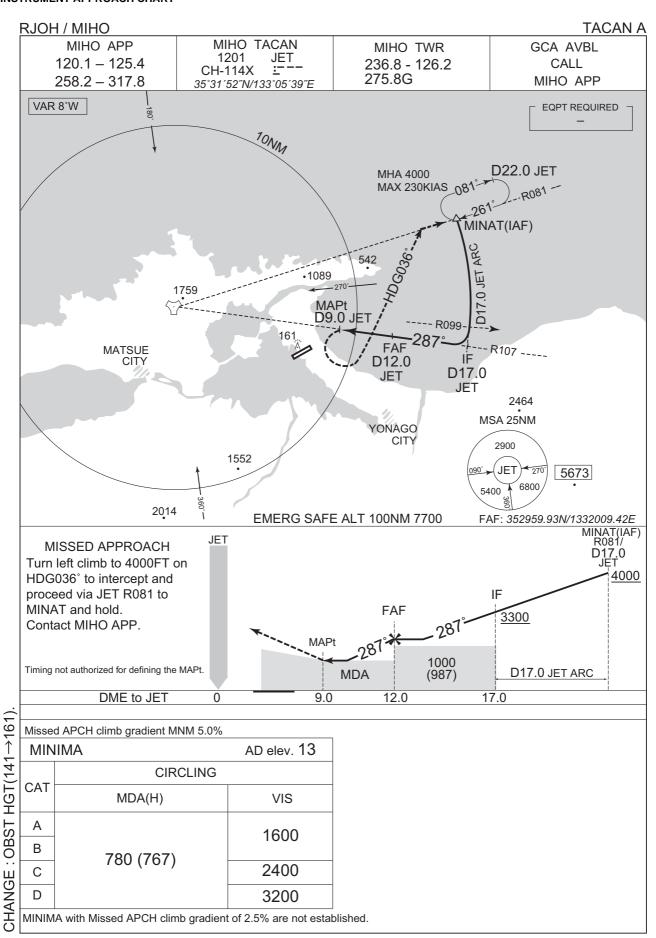


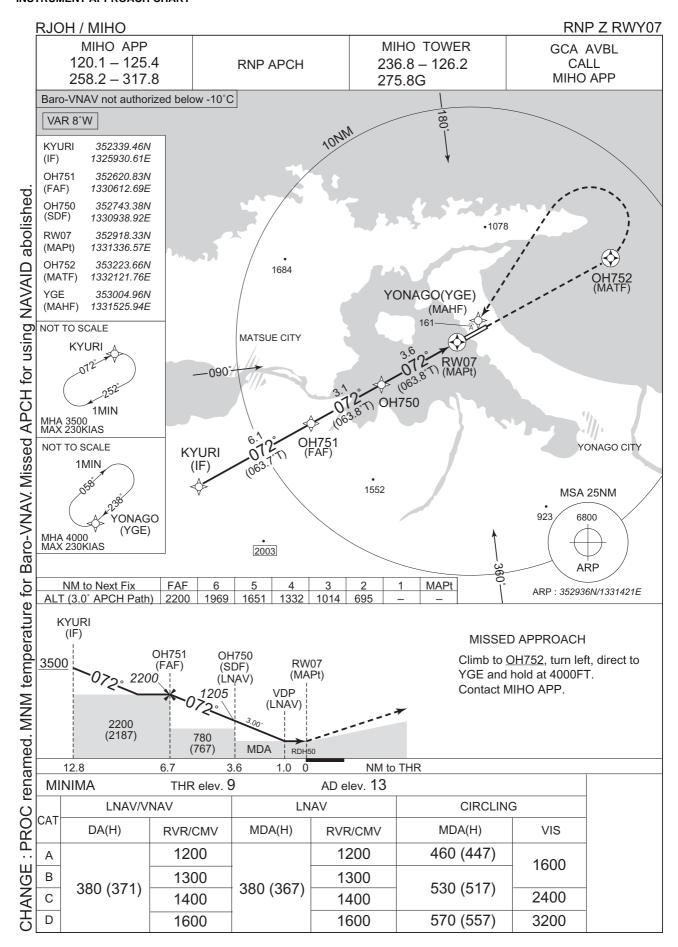


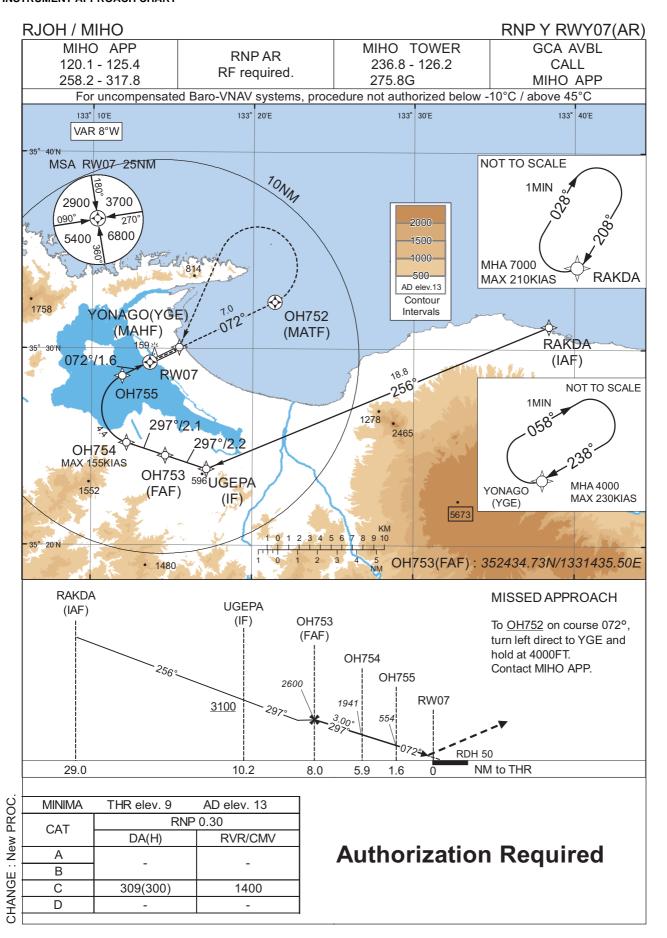












# RJOH / MIHO

# RNP Y RWY07(AR)

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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	1	-	-8.5	-	-	-	-	-	-
002	TF	UGEPA	-	256 (247.3)	-8.5	18.8	-	+3100	-	-	0.3
003	TF	OH753	1	297 (288.2)	-8.5	2.2	ı	2600	ı	1	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	ı	ı	-8.5	4.4	R	554	1	-3.00	0.3
006	TF	RW07	Υ	072 (063.9)	-8.5	1.6	-	59	-	-3.00/50	0.3
007	CF	OH752	Υ	072 (063.9)	-8.5	7.0	-	-	-	-	1.0
800	DF	YGE	- 1	-	-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		
2	RW07	352918.33N / 1331336.57E		
<u> </u>	OH752	353223.66N / 1332121.76E		
	YGE	353004.96N / 1331525.94E		
5			-	

