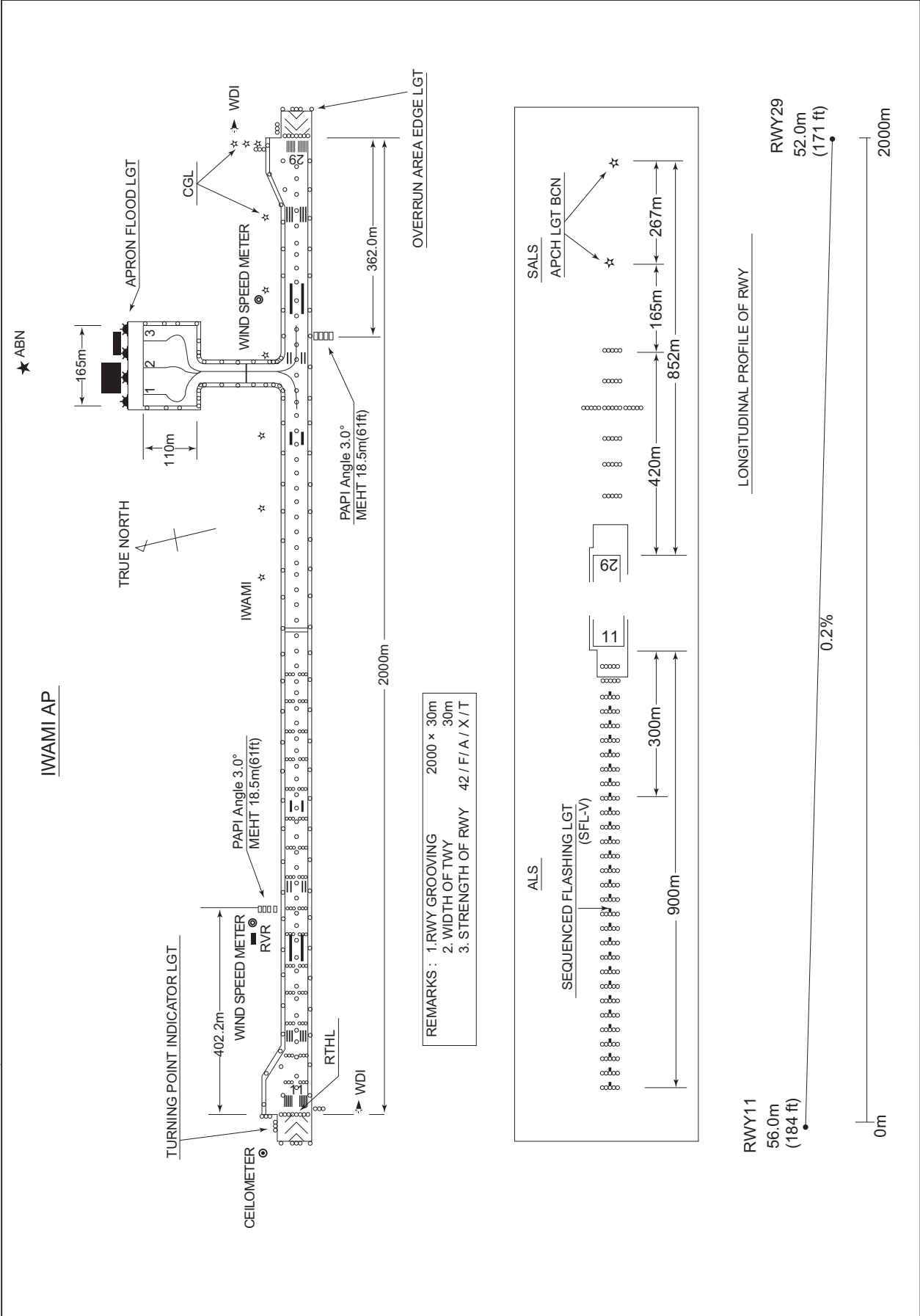


RJOW / IWAMI

AD CHART

CHANGE : CEILOMETER, WIND SPEED METER added.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

SAMBA THREE DEPARTURE

RWY11 : Climb RWY HDG to 800FT, turn left HDG352° ,...

RWY29 : Climb RWY HDG to 700FT, turn right HDG082° ,...

...to intercept and proceed via IME R037 to SAMBA.

Cross SAMBA at or above 7000FT.

Note RWY11 : 5.7% climb gradient required up to 1700FT.

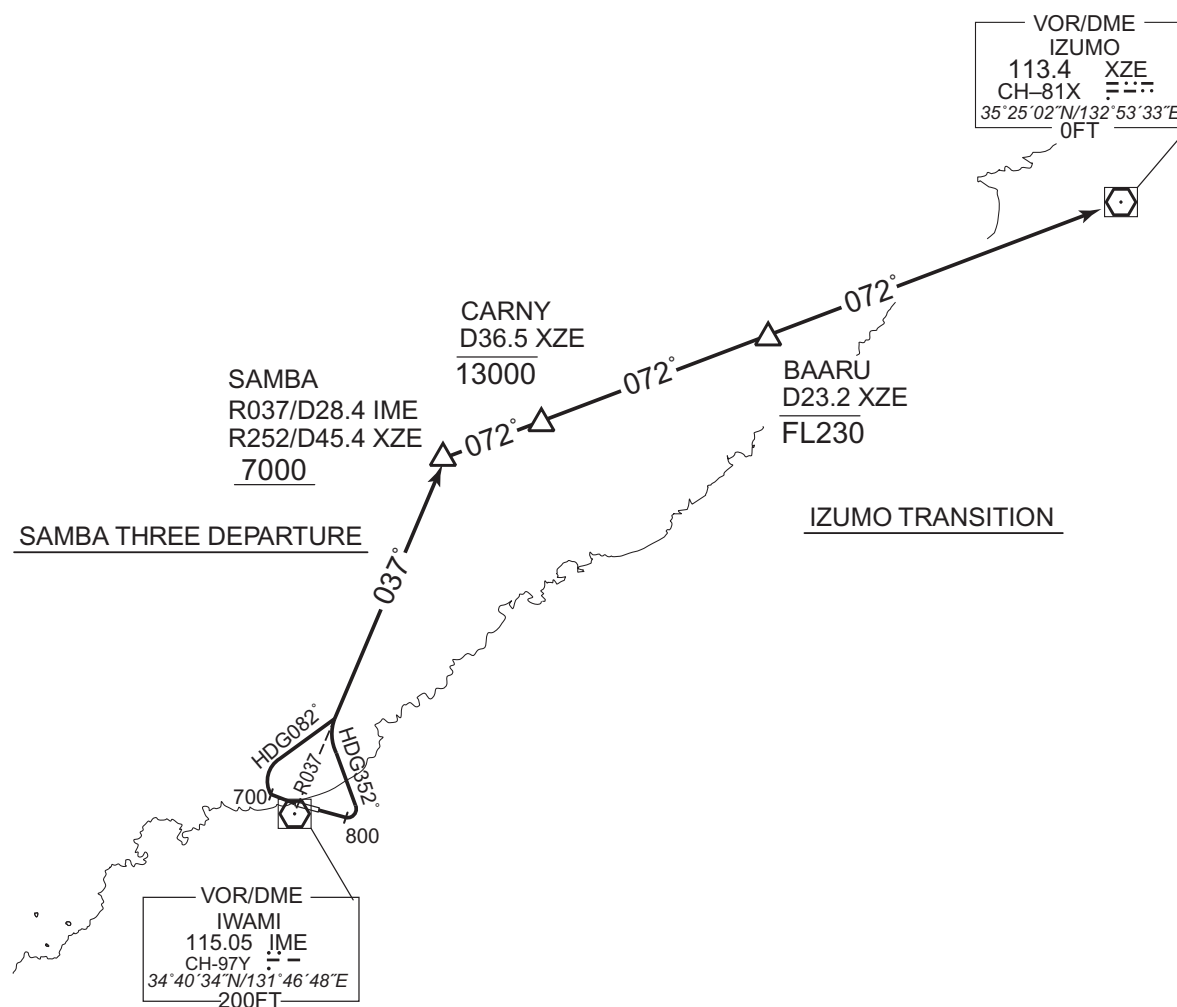
OBST ALT 1322FT located at 4.8NM 094° FM end of RWY11.

IZUMO TRANSITION

From over SAMBA, via XZE R252 to XZE VOR/DME.

Cross CARNY at or below 13000FT, cross BAARU at or below FL230.

CHANGE : PROC renamed(SAMBA THREE DEPARTURE), PROC course. Note RWY11(OBST).



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

RNAV TRANSITION



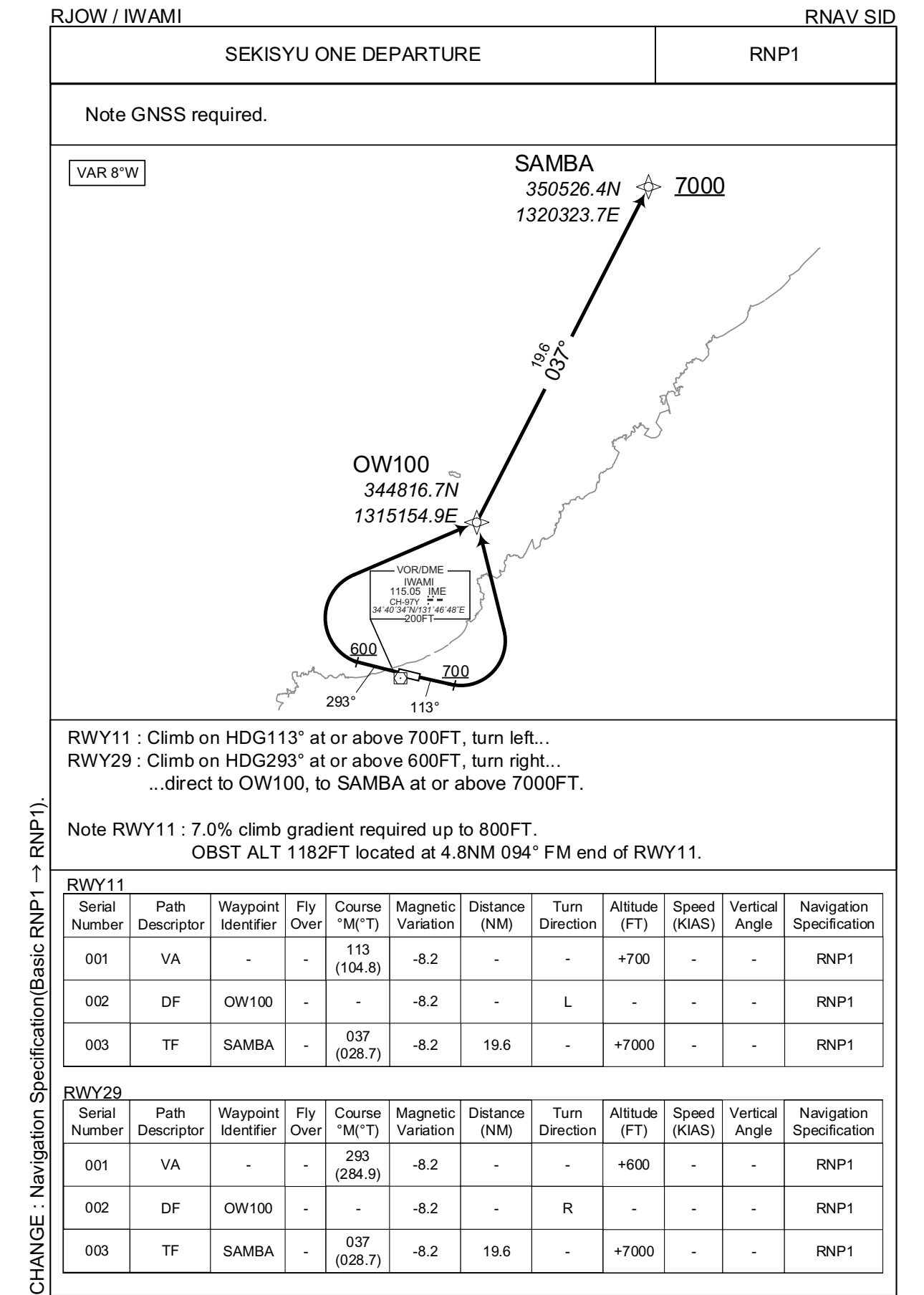
From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

Critical DME	STD : SAMBA – VIBEL
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

CHANGE : FIX symbol(SAMBA).

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	SAMBA	-	-	-7.8	-	-	+7000	-	-	RNAV1
002	TF	OSPEL	-	077 (069.7)	-7.8	10.5	-	-13000	-	-	RNAV1
003	TF	VIBEL	-	078 (069.8)	-7.8	10.2	-	-FL230	-	-	RNAV1

STANDARD DEPARTURE CHART-INSTRUMENT



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

Civil Aviation Bureau,Japan (EFF:21 MAR 2024)

22/2/24

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STANDARD ARRIVAL CHART-INSTRUMENT

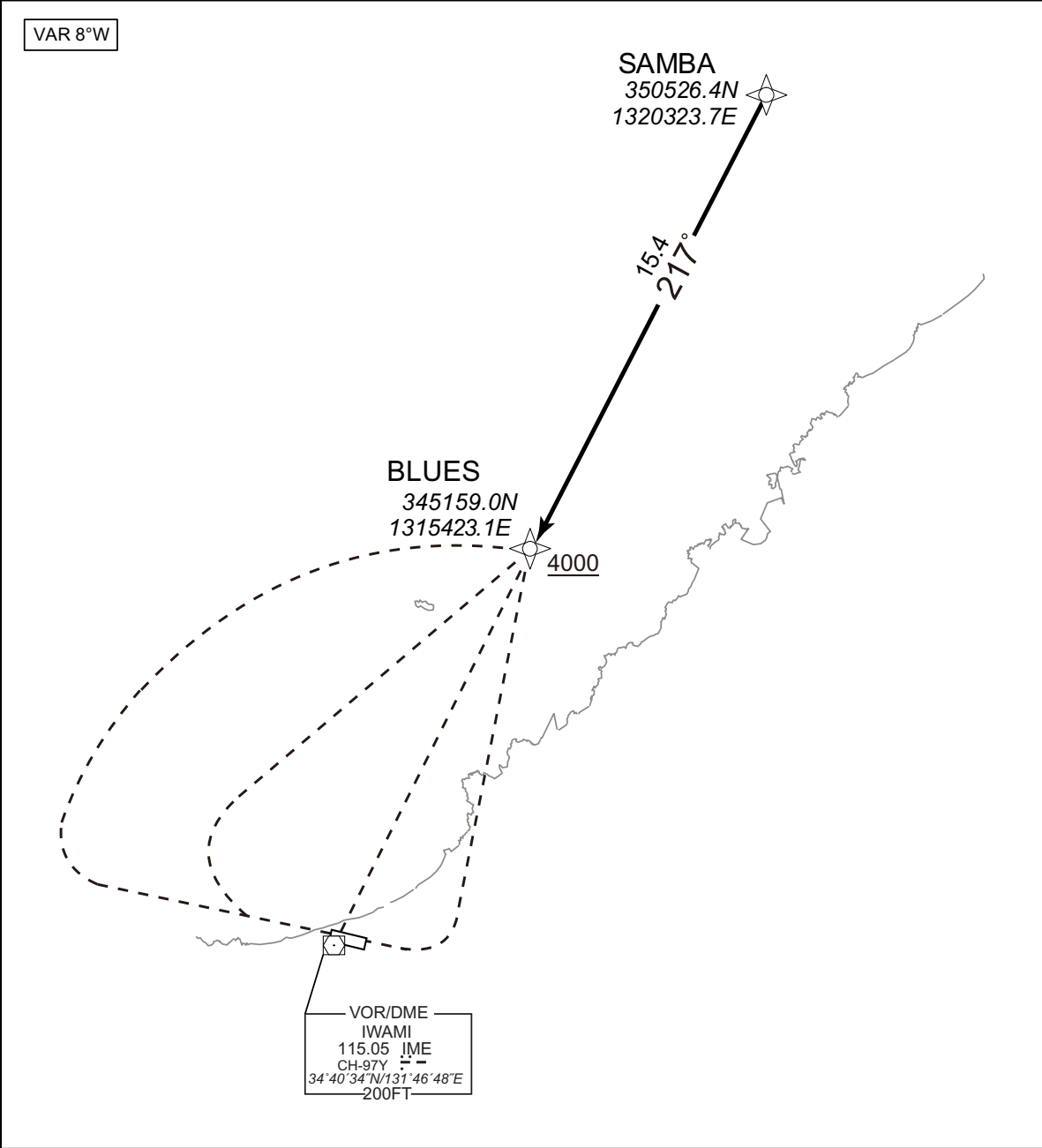
RJOW / IWAMI

RNAV STAR

SAMBA ARRIVAL	RNP1
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Note GNSS required.

VAR 8°W



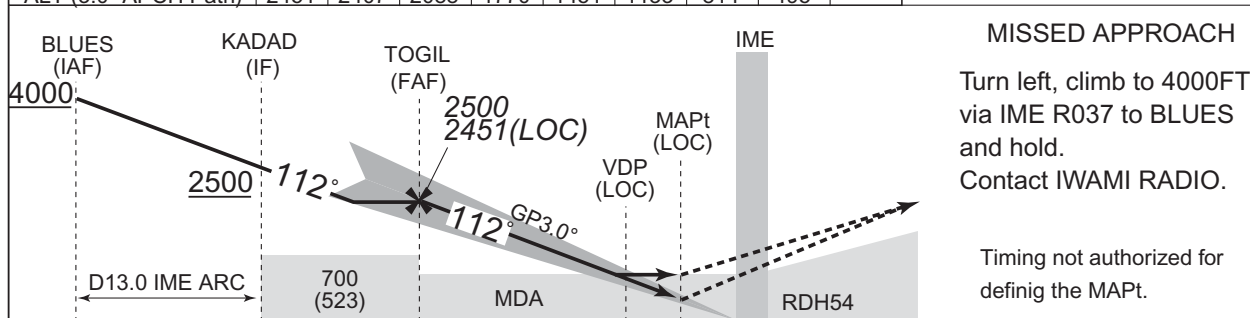
From SAMBA, to BLUES at or above 4000FT.

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	SAMBA	-	-	-8.2	-	-	-	-	-	RNP1
002	TF	BLUES	-	217 (208.8)	-8.2	15.4	-	+4000	-	-	RNP1

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CHANGE: VAR. KADAD, TOGIL established. Missed APCH course. HLDG course. MSA(BTN 270° and 360°).

ILS or LOC RWY11



DME to IWA	13.1	7.1	1.0	0.6	
NM to THR	13.0	7.0	0.8	0.5	0

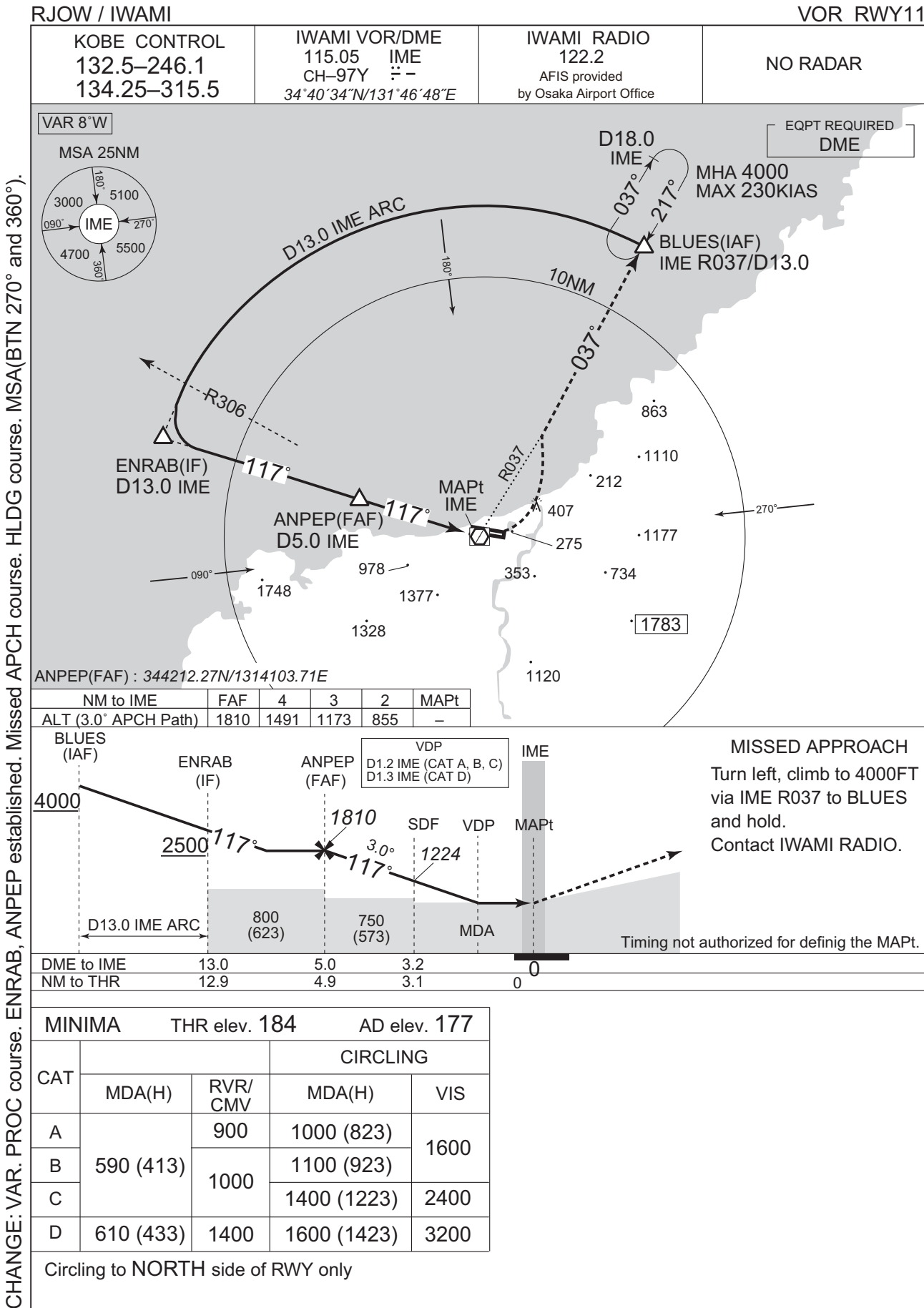
Missed APCH climb gradient MNM 4.0%

MINIMA                      THR elev. 184                      AD elev. 177						
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	384 (200)	550	480 (303)	900	1000 (823)	1600
B				1000	1100 (923)	
C					1400 (1223)	2400
D					1400	1600 (1423)

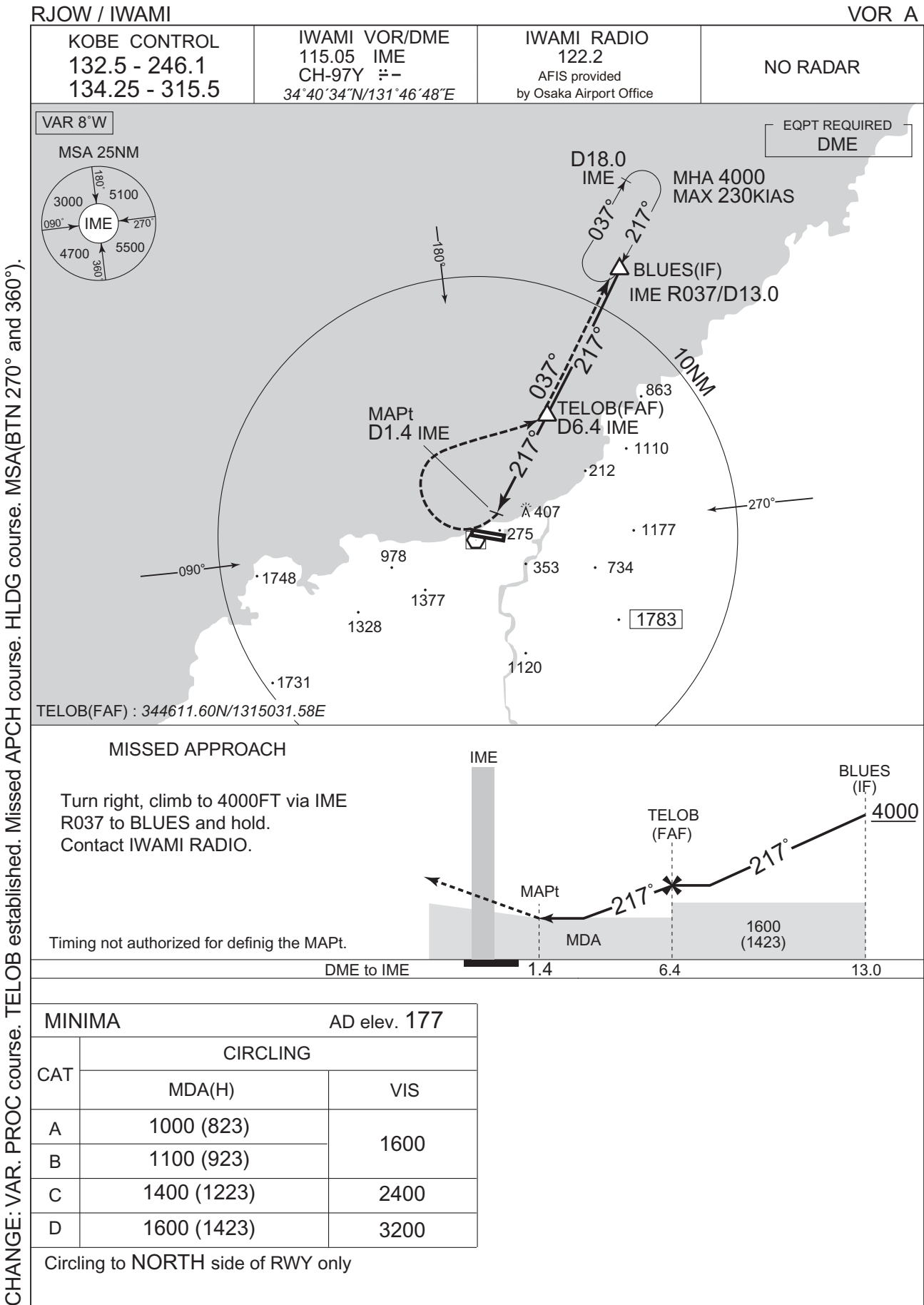
Circling to NORTH side of RWY only.  
MINIMA with Missed APCH climb gradient of 2.5% are not established.



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



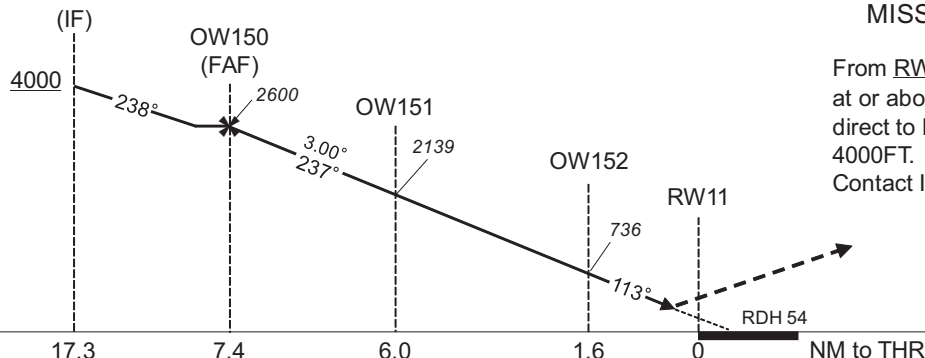
## INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

KOBE CONTROL 132.5 - 246.1 134.25 - 315.5	RNP AR RF required.	IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C

BLUES  
(IF)

## MISSED APPROACH

From RWY11 on track 113°,  
at or above 600FT turn left,  
direct to BLUES and hold at  
4000FT.  
Contact IWAMI RADIO.

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 184	AD elev. 177
CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	-	-
B	-	-
C	484(300)	1000
D	-	-

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

**Authorization Required**

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(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	BLUES	-	-	-8.2	-	-	+4000	-	-	1.0
002	TF	OW150	-	238 (229.3)	-8.2	9.8	-	2600	-	-	1.0
003	TF	OW151	-	237 (229.2)	-8.2	1.4	-	2139	-165	-3.00	0.3
004	RF Center: OWRF1 r=2.03NM	OW152	-	-	-8.2	4.4	L	736	-	-3.00	0.3
005	TF	RW11	Y	113 (104.8)	-8.2	1.6	-	238	-	-3.00/54	0.3
006	FA	-	-	113 (104.8)	-8.2	-	-	+600	-	-	1.0
007	DF	BLUES	-	-	-8.2	-	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	BLUES	217 (208.7)	-8.2	1.0 (-13000)	R	4000	13000	-220 (-13000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BLUES	345159.02N / 1315423.09E	OWRF1	344304.90N / 1314534.53E
OW150	344533.91N / 1314518.52E		
OW151	344437.18N / 1314358.51E		
OW152	344107.26N / 1314456.99E		
RW11	344043.28N / 1314647.11E		

CHANGE : VAR. Course FM BLUES to OW150. RNAV HLDG established.

## INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(AR)



CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(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	BLUES	-	-	-8.2	-	-	+4000	-	-	1.0
002	TF	OW950	-	200 (191.5)	-8.2	6.0	-	3100	-	-	1.0
003	TF	OW951	-	200 (191.5)	-8.2	5.3	-	1374	-150	-3.10	0.16 0.30
004	RF Center: OWRF2 r=1.20NM	OW952	-	-	-8.2	2.0	R	731	-	-3.10	0.16 0.30
005	TF	RW29	Y	293 (284.9)	-8.2	1.5	-	221	-	-3.10/50	0.16 0.30
006	FA	-	-	293 (284.9)	-8.2	-	-	+600	-	-	1.0
007	DF	BLUES	-	-	-8.2	-	R	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	BLUES	217 (208.7)	-8.2	1.0 (-13000)	R	4000	13000	-220 (-13000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BLUES	345159.02N / 1315423.09E	OWRF2	344112.62N / 1315014.52E
OW950	344606.97N / 1315256.13E		
OW951	344058.27N / 1315140.08E		
OW952	344002.90N / 1314952.21E		
RW29	344026.72N / 1314803.07E		

CHANGE : VAR. PROC course. RNAV HLDG established.

RJOW / IWAMI

Visual REP

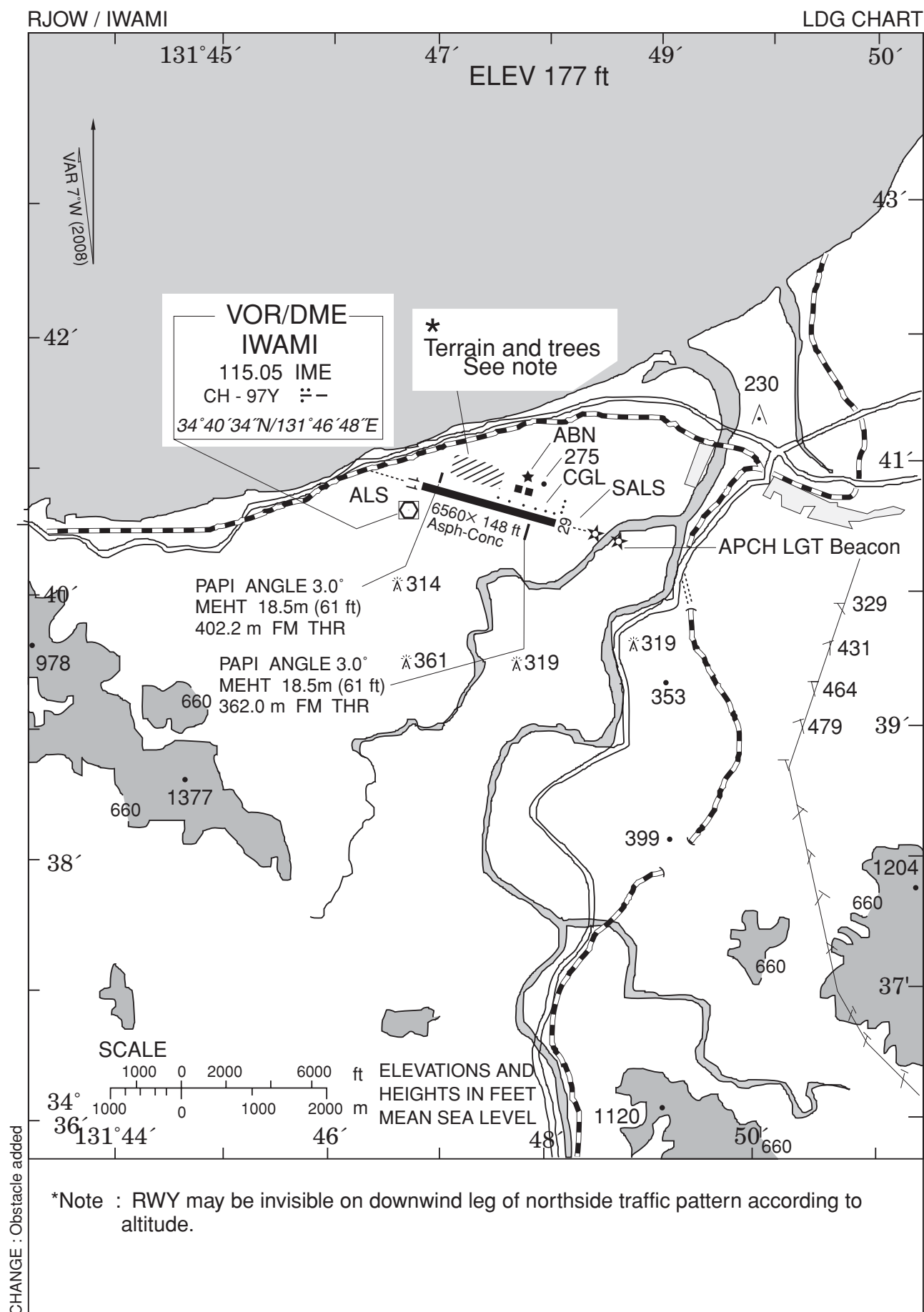


CHANGE : Call sign(REMOTE→RADIO).

※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

Call sign	BRG / DIST from ARP	Remarks
魚待 Uomachi	038°T / 6.0NM	岬 Cape
高山 Takayama	266°T / 8.8NM	岬 Cape
日原 Nichihara	166°T / 8.9NM	駅 Station







RJOW / IWAMI

Minimum Vectoring Altitude CHART



CENTER : 344035N/1314725E (ARP)