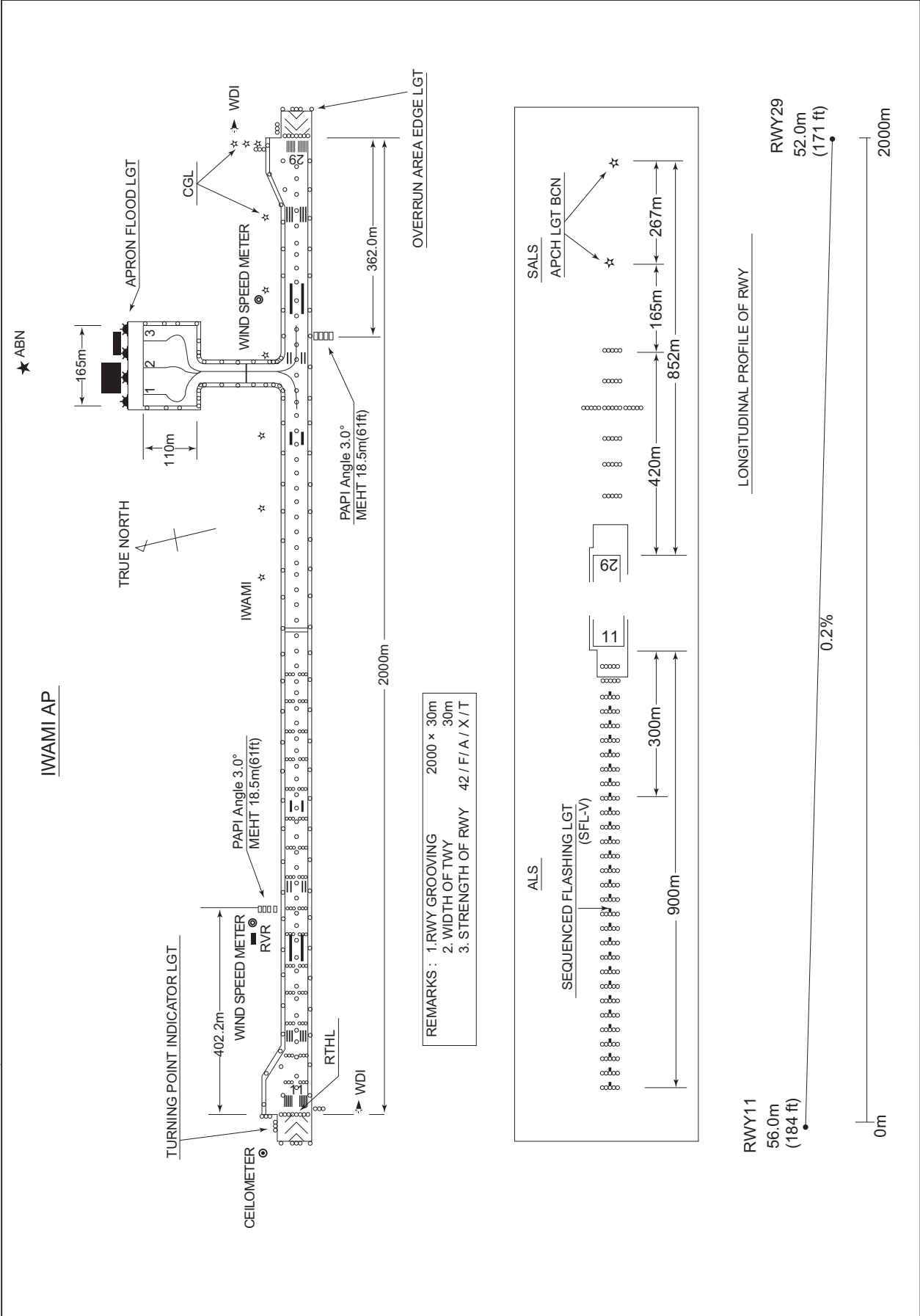


RJOW / IWAMI

AD CHART

CHANGE : CEILOMETER, WIND SPEED METER added.



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

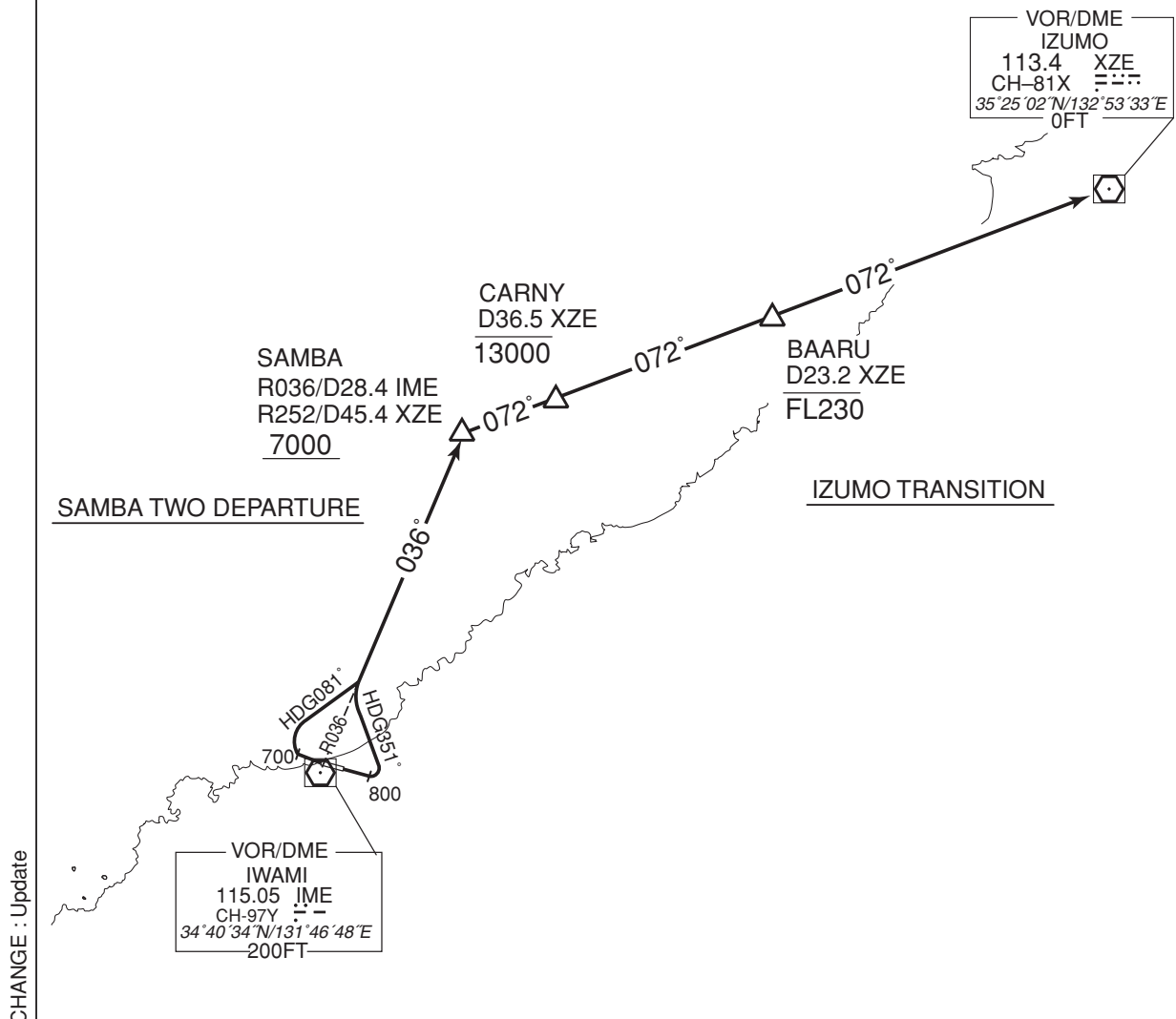
SAMBA TWO DEPARTURE

RWY11 : Climb RWY HDG to 800FT, turn left HDG351°, ...  
RWY29 : Climb RWY HDG to 700FT, turn right HDG081°, ...  
...to intercept and proceed via IME R036 to SAMBA.  
Cross SAMBA at or above 7000FT.

Note RWY11 : 5.7% climb gradient required up to 1700FT.  
OBST ALT 1177FT located at 4.83NM 093° 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.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

➔ RNAV TRANSITION

## VIBEL TRANSITION

## RNAV1

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

2) RADAR service required.

VAR 8°W (2017)

VIBEL TRANSITION

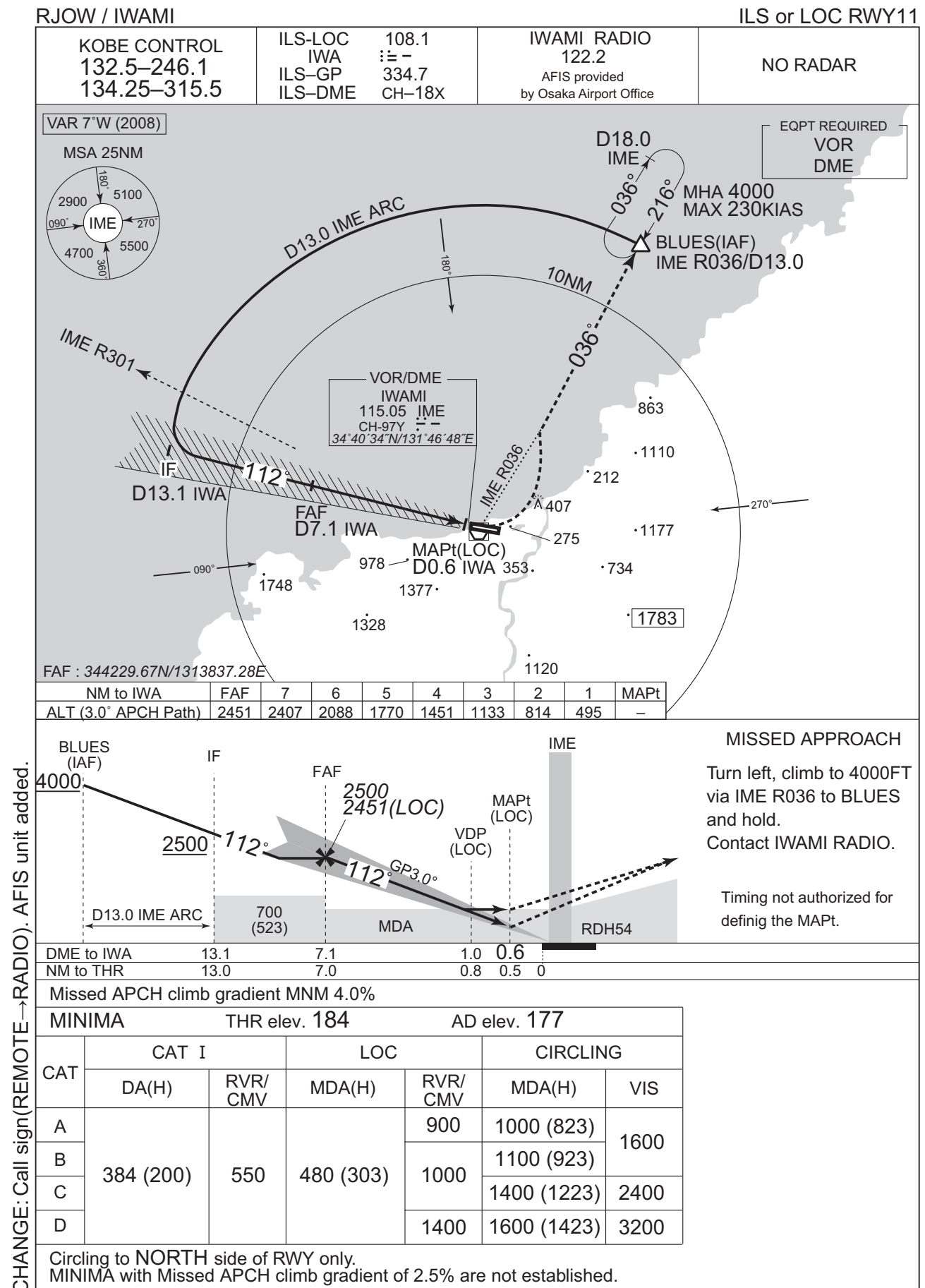
From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

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

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

CHANGE : New PROC

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJOW / IWAMI

VOR RWY11

KOBE CONTROL  
132.5-246.1  
134.25-315.5

IWAMI VOR/DME  
115.05 IME  
CH-97Y  $\equiv$   
34°40'34"N/131°46'48"E

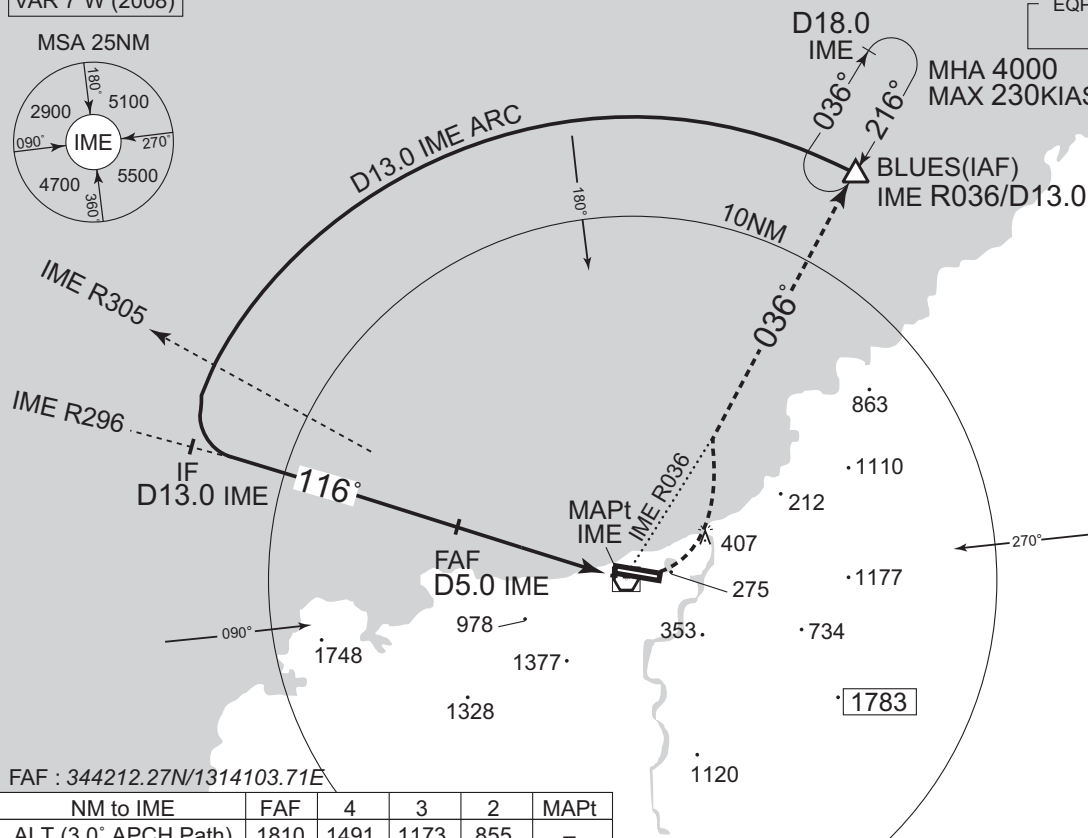
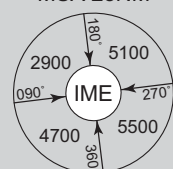
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

NO RADAR

VAR 7°W (2008)

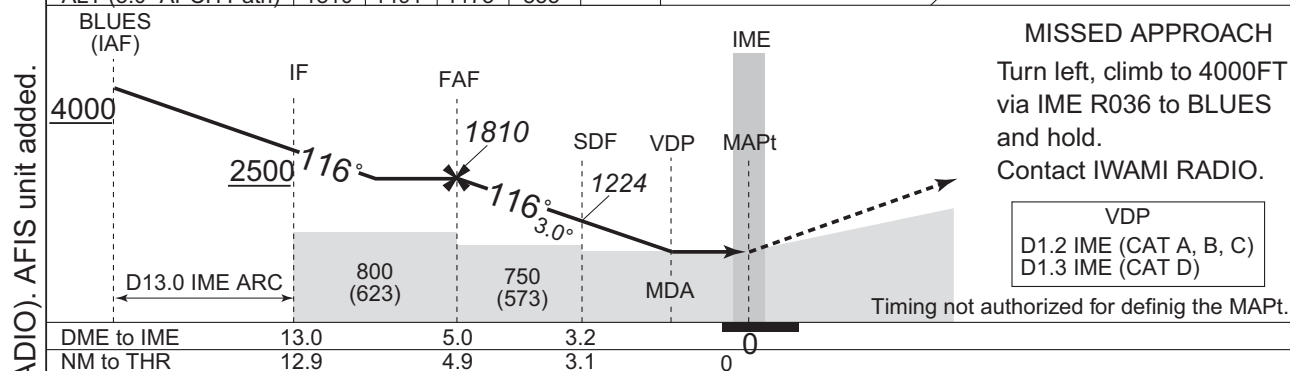
EQPT REQUIRED  
DME

MSA 25NM



FAF : 344212.27N/1314103.71E

NM to IME	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1810	1491	1173	855	-



## MISSED APPROACH

Turn left, climb to 4000FT  
via IME R036 to BLUES  
and hold.  
Contact IWAMI RADIO.

VDP  
D1.2 IME (CAT A, B, C)  
D1.3 IME (CAT D)

Timing not authorized for defining the MAPt.

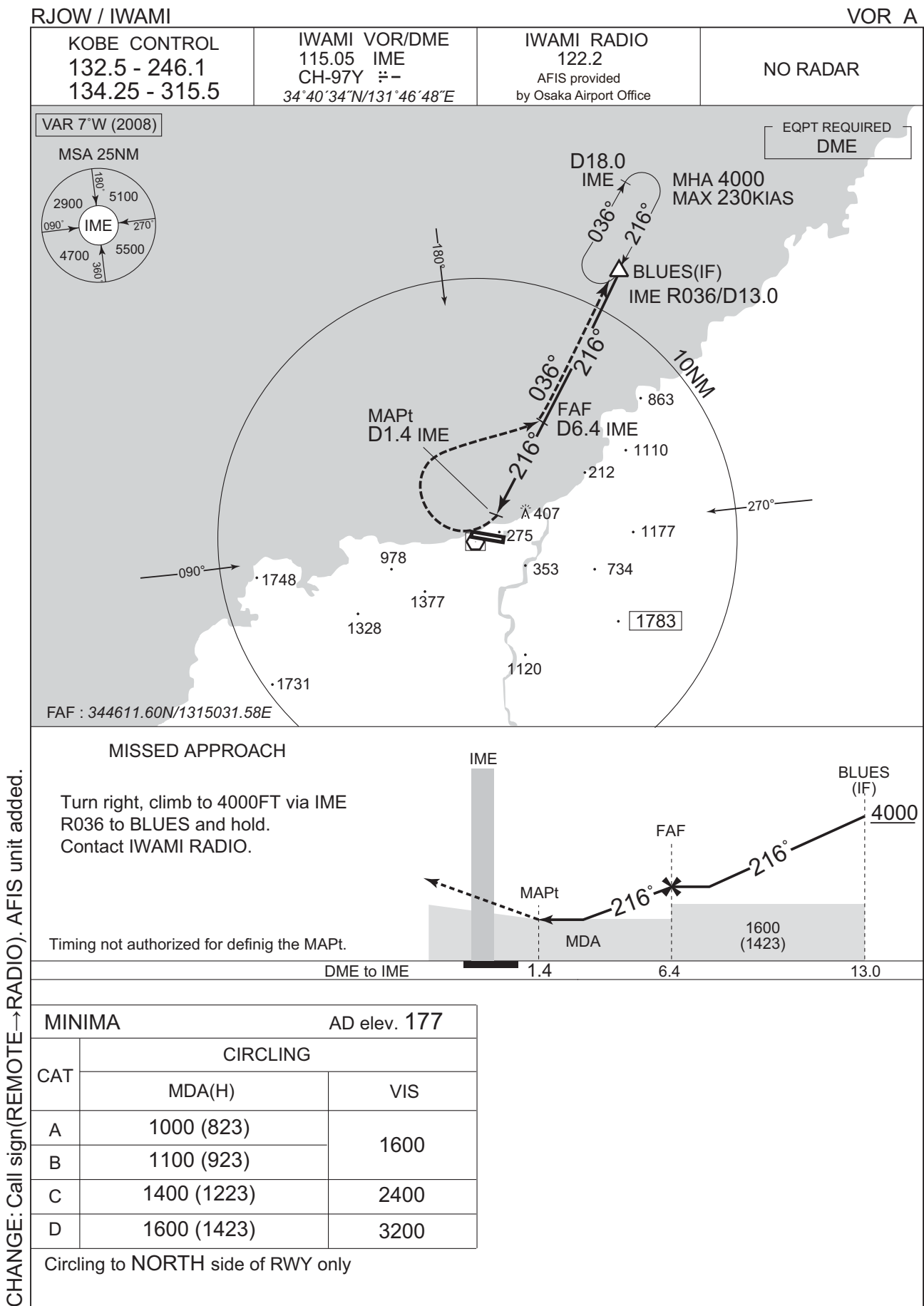
DME to IME	13.0	5.0	3.2	0
NM to THR	12.9	4.9	3.1	0

MINIMA		THR elev. 184	AD elev. 177	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	590 (413)	900	1000 (823)	1600
B		1000	1100 (923)	
C			1400 (1223)	
D	610 (433)	1400	1600 (1423)	3200

Circling to NORTH side of RWY only

CHANGE: Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART



CHANGE: Call sign(REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNAV(RNP) RWY11

KOBE CONTROL  
132.5 - 246.1  
134.25 - 315.5

GNSS and RF required.

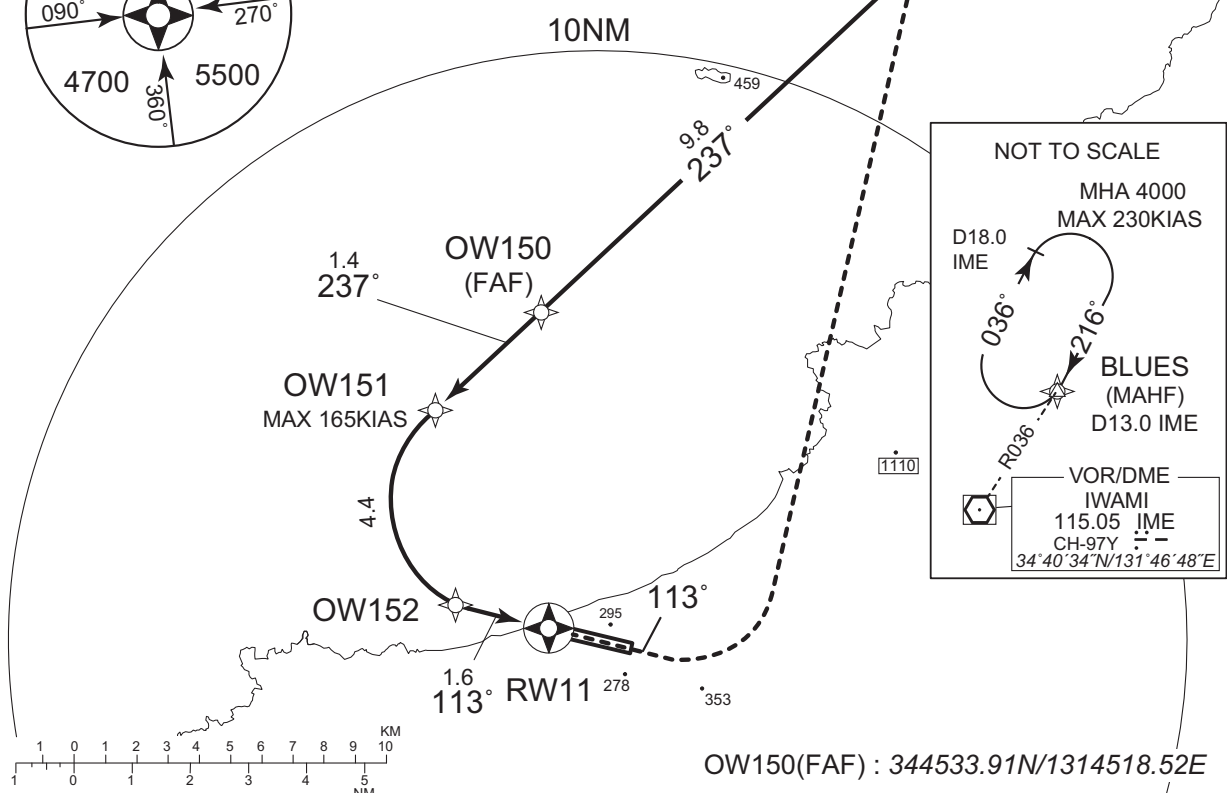
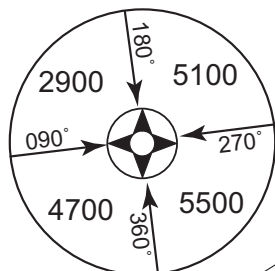
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

NO RADAR

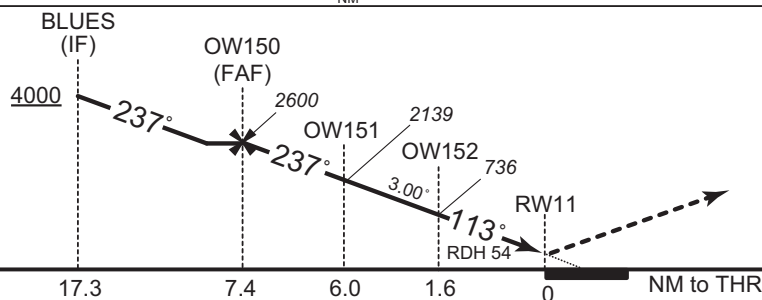
For uncompensated Baro-VNAV systems, procedure not authorized below -5 °C / above 45°C

VAR 8°W (2017)

MSA RW11 25NM



OW150(FAF) : 344533.91N/1314518.52E



**MISSED APPROACH**  
From RW11 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.

# RNP AR

Special Authorization Required

CHANGE: Call sign(REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RJOW / IWAMI

➔ RNAV(RNP) RWY11

RNAV(RNP) RWY11Coding 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	–	–	-7.8	–	–	+4000	–	–	1.0
002	TF	OW150	–	237 (229.3)	-7.8	9.8	–	2600	–	–	1.0
003	TF	OW151	–	237 (229.2)	-7.8	1.4	–	2139	-165	-3.00	0.3
004	RF Center: OWRF1 r=2.03NM	OW152	–	–	-7.8	4.4	L	736	–	-3.00	0.3
005	TF	RW11	Y	113 (104.8)	-7.8	1.6	–	238	–	-3.00/54	0.3
006	FA	–	–	113 (104.8)	-7.8	–	–	+600	–	–	1.0
007	DF	BLUES	–	–	-7.8	–	L	4000	–	–	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 : New PROC



## INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNAV(RNP) RWY29

KOBE CONTROL  
132.5 - 246.1  
134.25 - 315.5

GNSS and RF required.

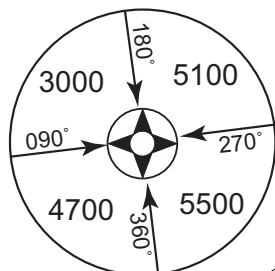
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -5 °C / above 39°C

VAR 8°W (2017)

MSA RW29 25NM



NOT TO SCALE

MHA 4000  
MAX 230KIAS

D18.0

IME

036°

216°

R036

BLUES

(MAHF)

D13.0

IME

VOR/DME

IWAMI

115.05

IME

CH-97Y

34°40'34"N/131°46'48"E



## MISSED APPROACH

From RW29 on track 293°, at or above 600FT turn right, direct to BLUES and hold at 4000FT.

Contact IWAMI RADIO.  
PAPI not coincident with VPA.

NM to THR

0

1.5

3.5

8.8

14.8

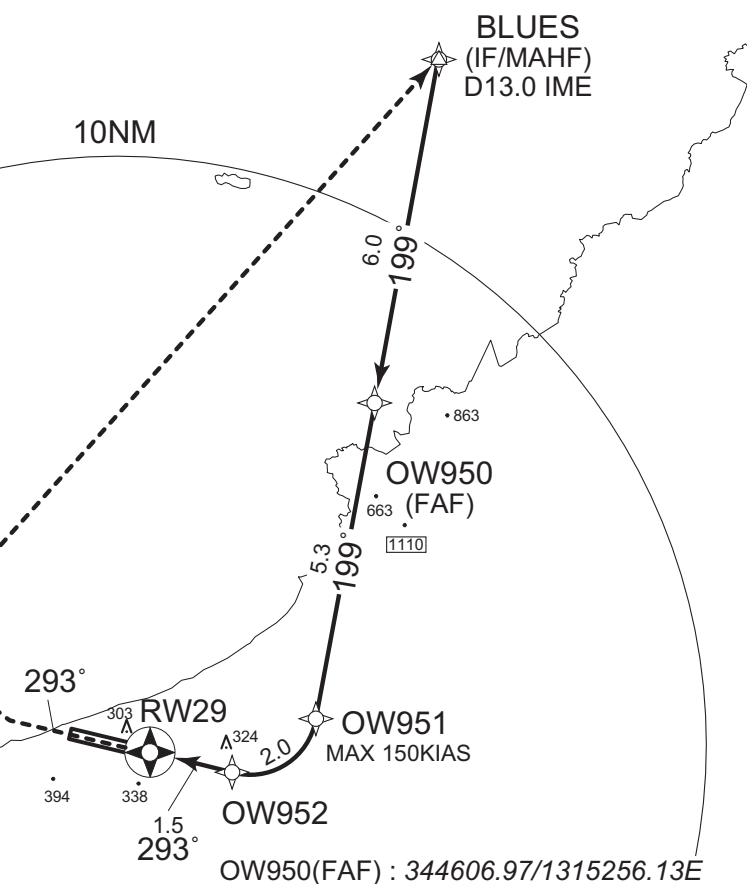
Missed APCH climb gradient MNM 4.0%

MINIMA THR elev. 171 AD elev. 177

CAT	RNP 0.16		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	—	—	—	—
B	—	—	—	—
C	471(300)	1400	489(318)	1400
D	—	—	—	—

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

CHANGE: Call sign(REMOTE→RADIO). AFIS unit added.



# RNP AR

Special Authorization Required

## INSTRUMENT APPROACH CHART

RJOW / IWAMI

➡ RNAV(RNP) RWY29

RNAV(RNP) RWY29Coding 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	—	—	-7.8	—	—	+4000	—	—	1.0
002	TF	OW950	—	199 (191.5)	-7.8	6.0	—	3100	—	—	1.0
003	TF	OW951	—	199 (191.5)	-7.8	5.3	—	1374	-150	-3.10	0.16 0.3
004	RF Center: OWRF2 r=1.20NM	OW952	—	—	-7.8	2.0	R	731	—	-3.10	0.16 0.3
005	TF	RW29	Y	293 (284.9)	-7.8	1.5	—	221	—	-3.10/50	0.16 0.3
006	FA	—	—	293 (284.9)	-7.8	—	—	+600	—	—	1.0
007	DF	BLUES	—	—	-7.8	—	R	4000	—	—	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 : New PROC

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)