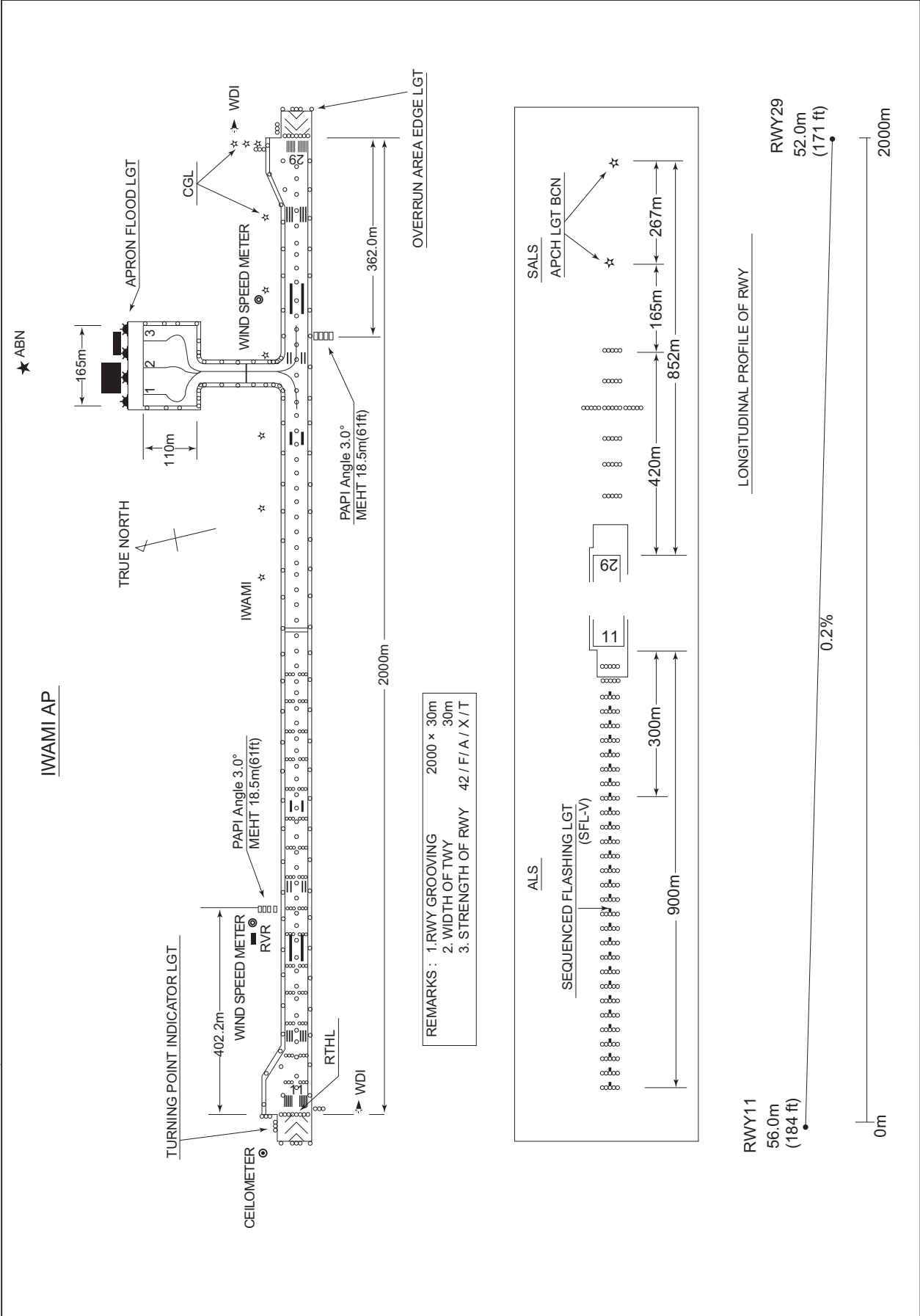


RJOW / IWAMI

AD CHART

CHANGE : CEILOMETER, WIND SPEED METER added.



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

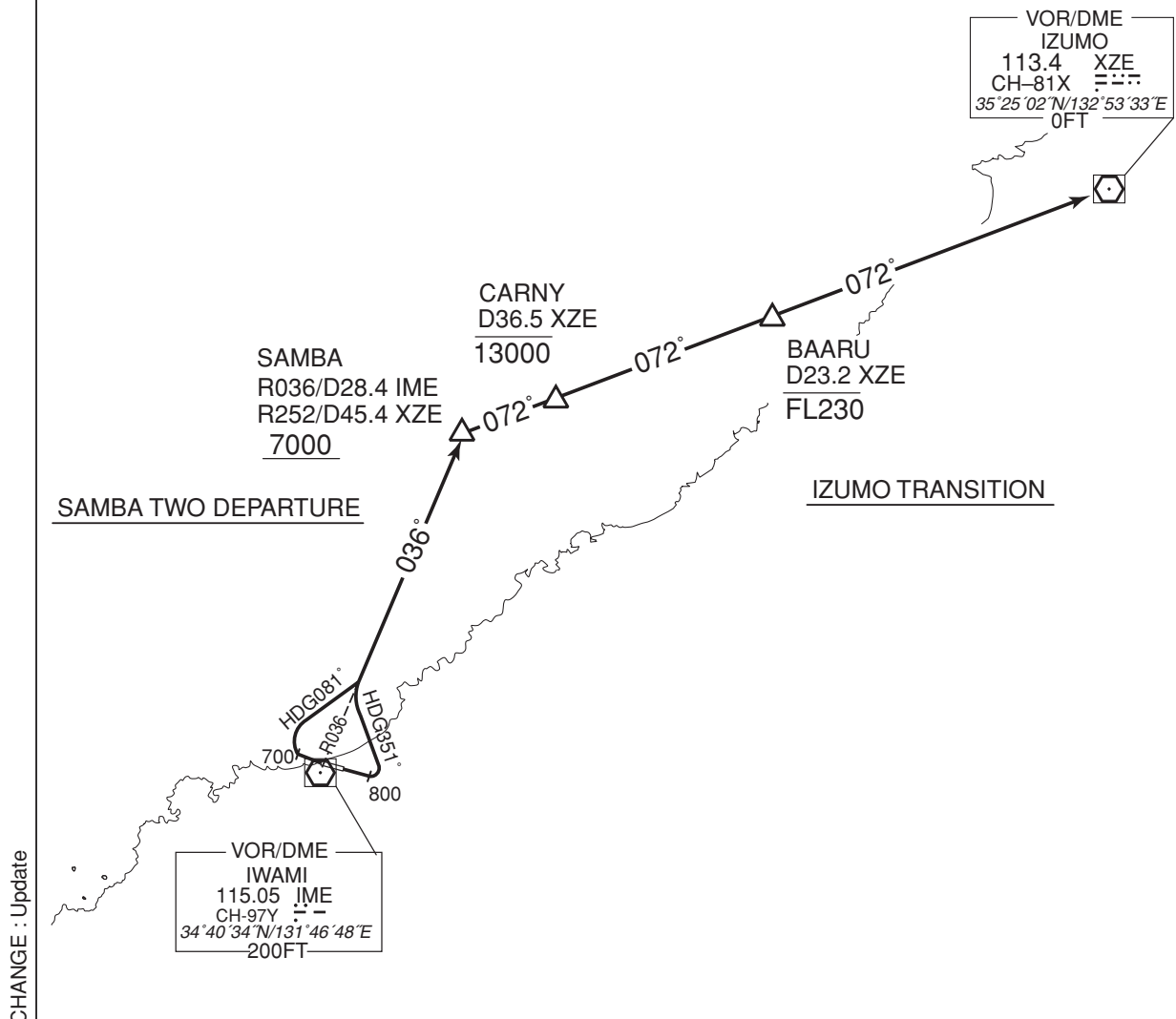
SAMBA TWO DEPARTURE

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

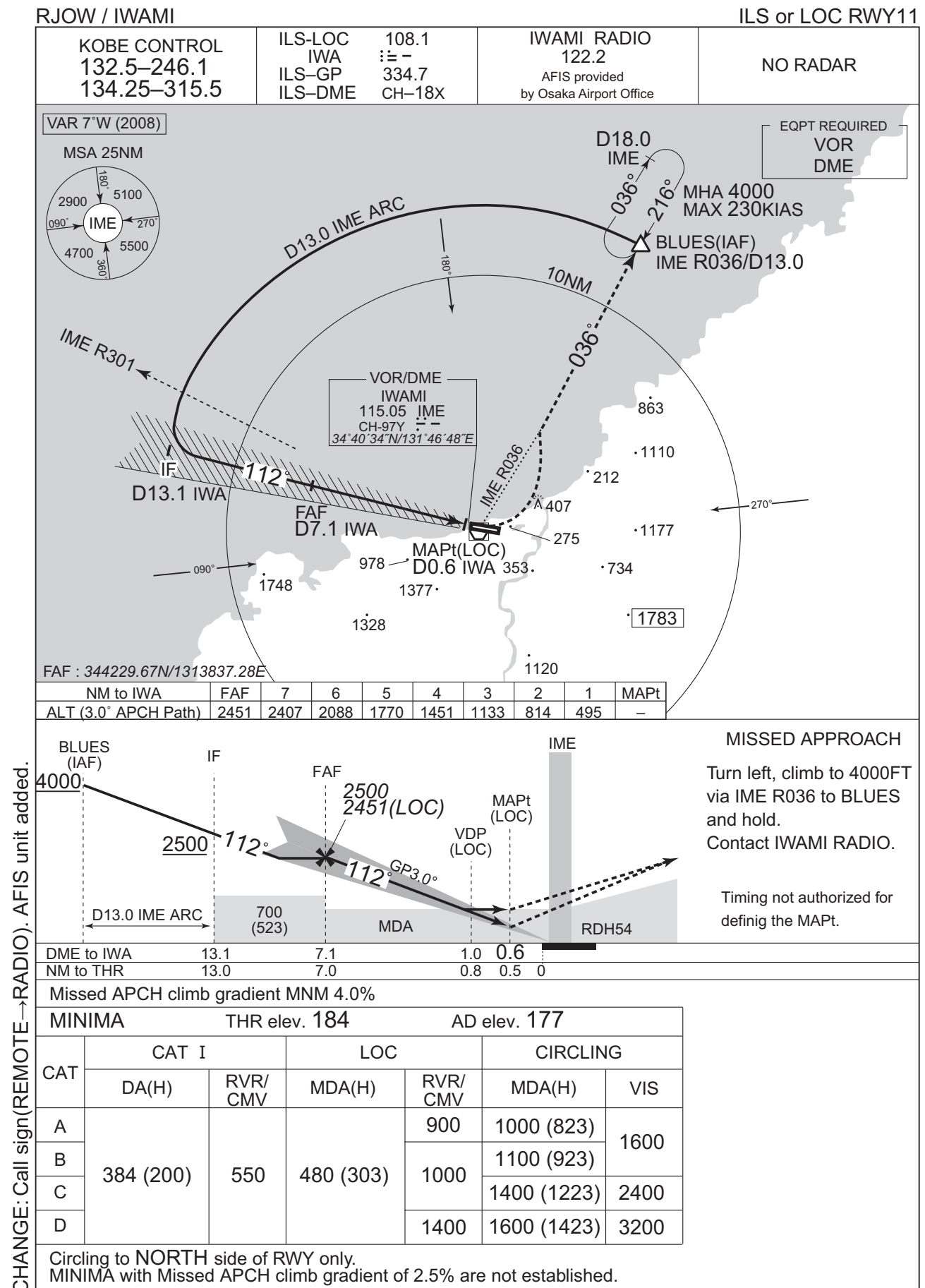
From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

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

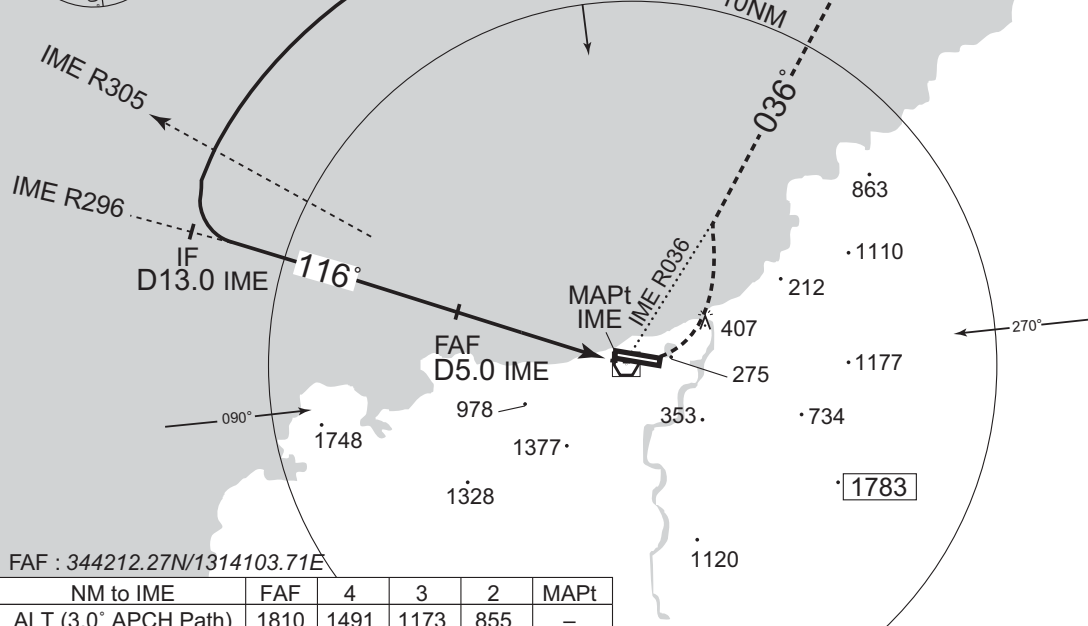
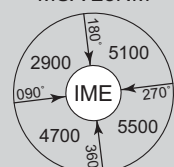
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

NO RADAR

VAR 7°W (2008)

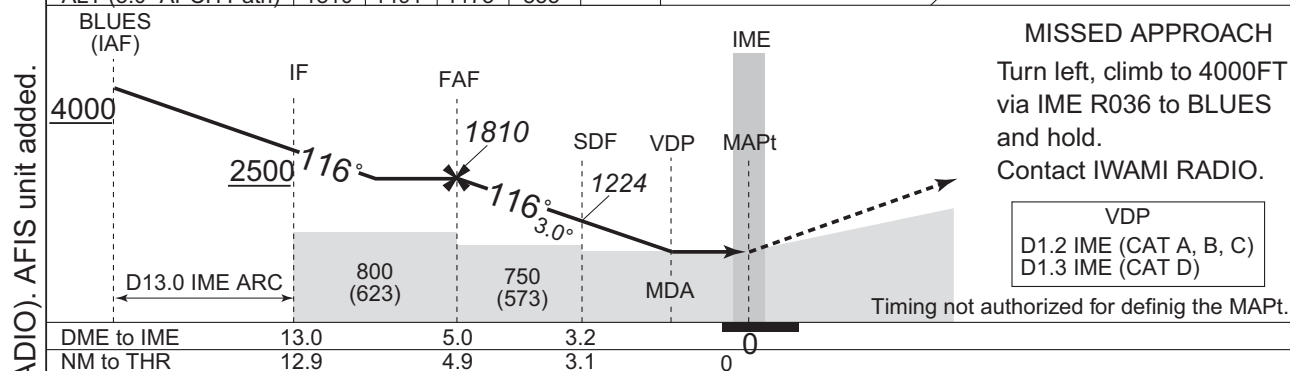
EQPT REQUIRED  
DME

MSA 25NM



FAF : 344212.27N/1314103.71E

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



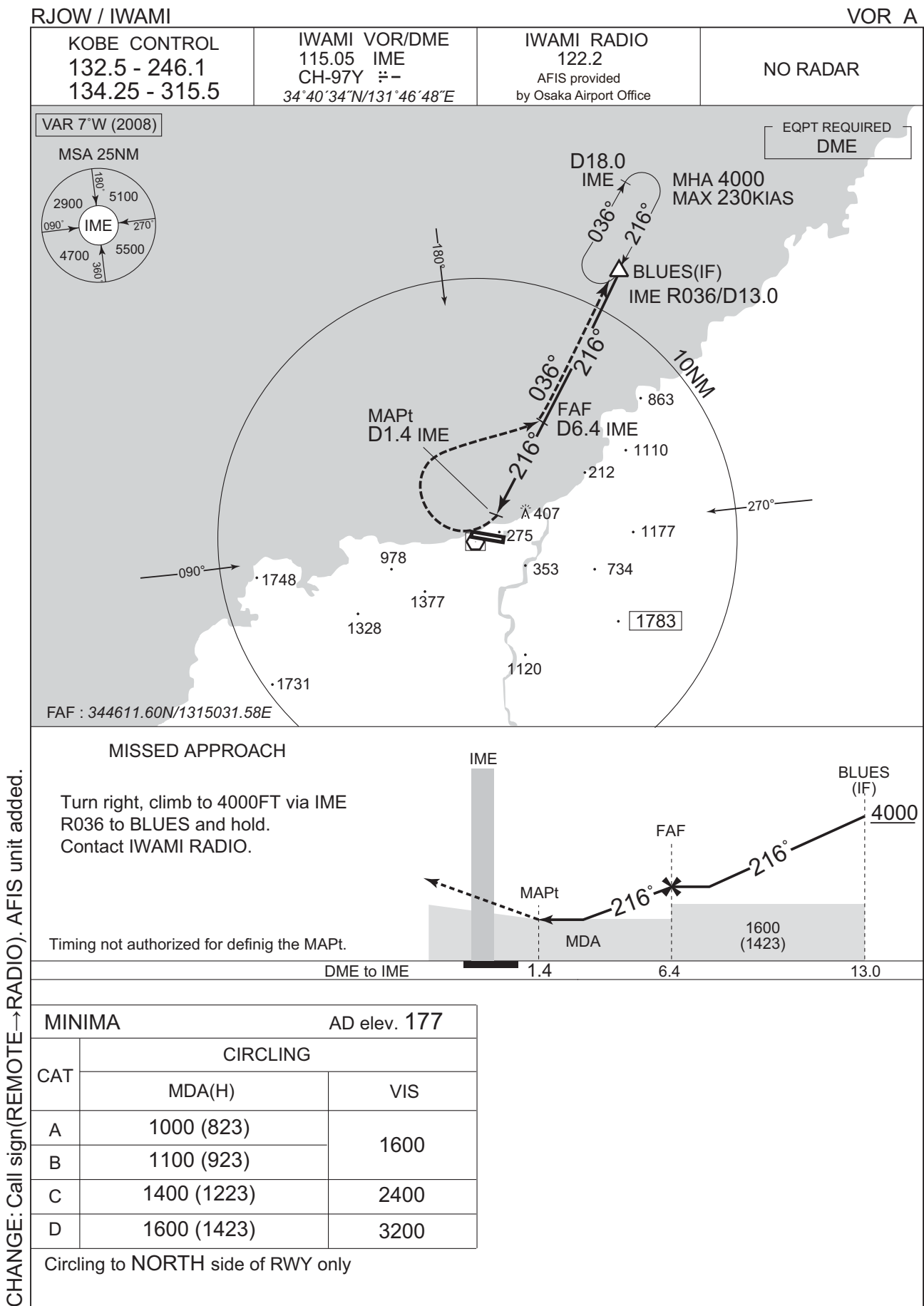
DME to IME	13.0	5.0	3.2	0
NM to THR	12.9	4.9	3.1	0

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



## INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNAV(RNP) RWY11

KOBE CONTROL  
132.5 - 246.1  
134.25 - 315.5

GNSS and RF required.

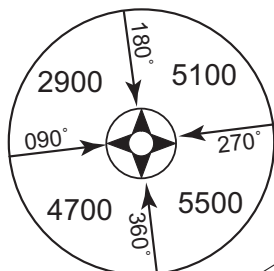
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

NO RADAR

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

VAR 8°W (2017)

MSA RW11 25NM



10NM

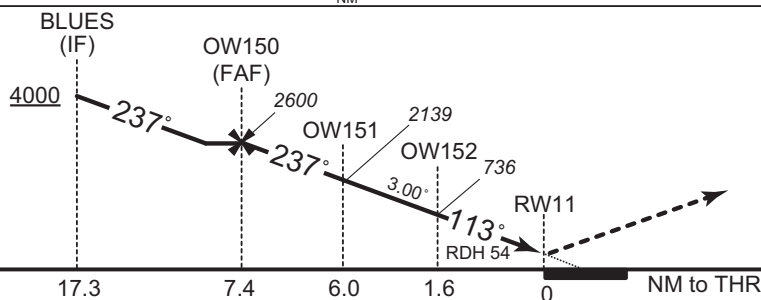
BLUES  
(IF/MAHF)  
D13.0 IMEOW150  
(FAF)OW151  
MAX 165KIASOW152  
1.6  
113°RW11  
278

OW150(FAF) : 344533.91N/1314518.52E

NOT TO SCALE

MHA 4000  
MAX 230KIASD18.0  
IME  
036°  
216°  
R036°  
BLUES  
(MAHF)  
D13.0 IMEVOR/DME  
IWAMI  
115.05 IME  
CH-97Y  
34°40'34"N/131°46'48"E

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



## 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

## 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.

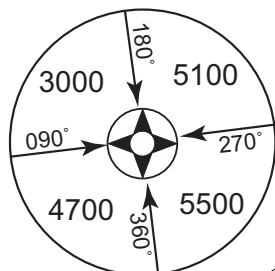
IWAMI RADIO  
122.2  
AFIS provided  
by Osaka Airport Office

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 230KIASD18.0  
IME

036°

216°

R036

BLUES  
(MAHF)  
D13.0 IMEVOR/DME  
IWAMI  
115.05 IME  
CH-97Y  
34°40'34"N/131°46'48"E

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.

**RNP AR**  
Special Authorization Required

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

## 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

Minimum Vectoring Altitude CHART



CENTER : 344035N/1314725E (ARP)