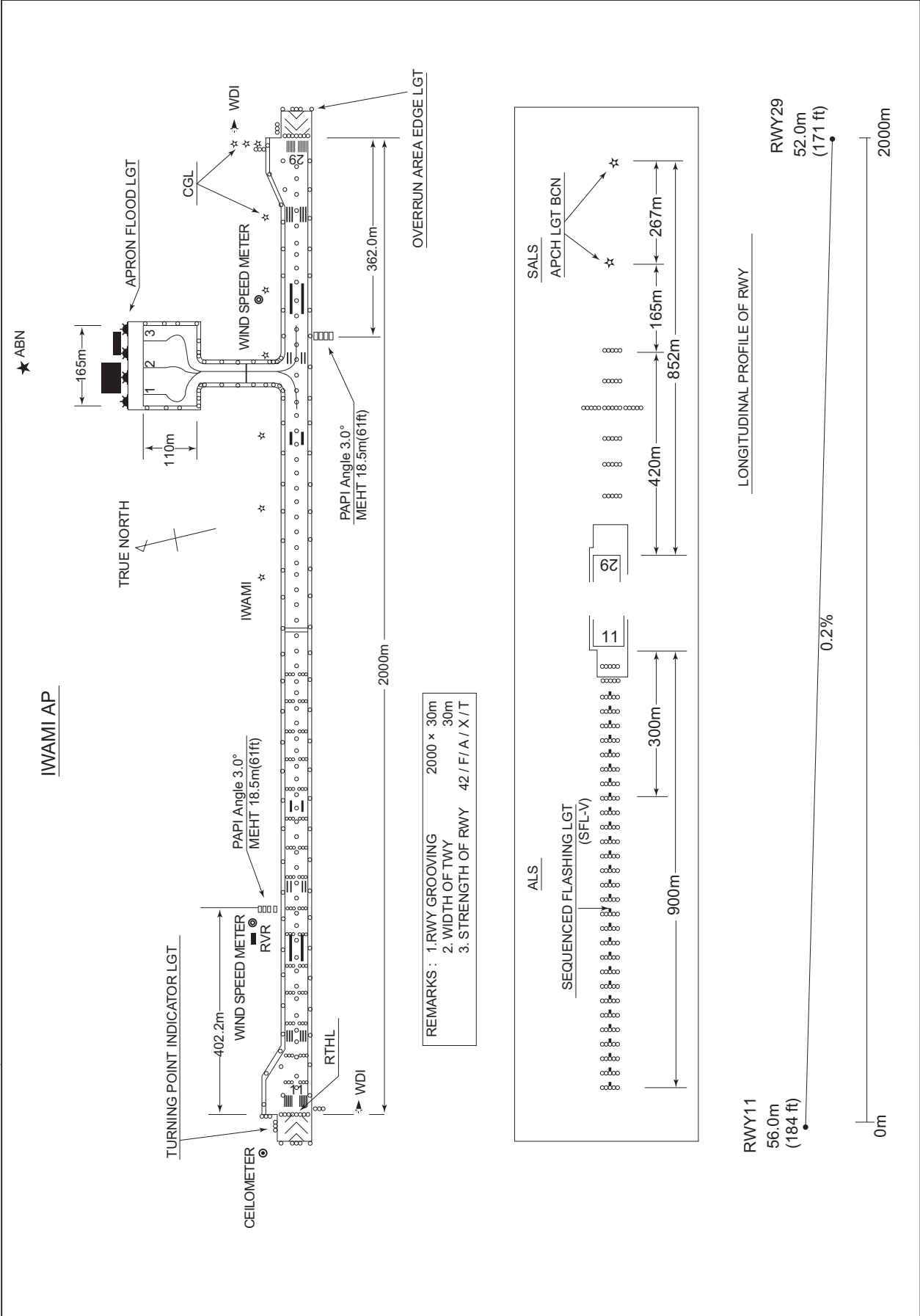


RJOW / IWAMI

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.

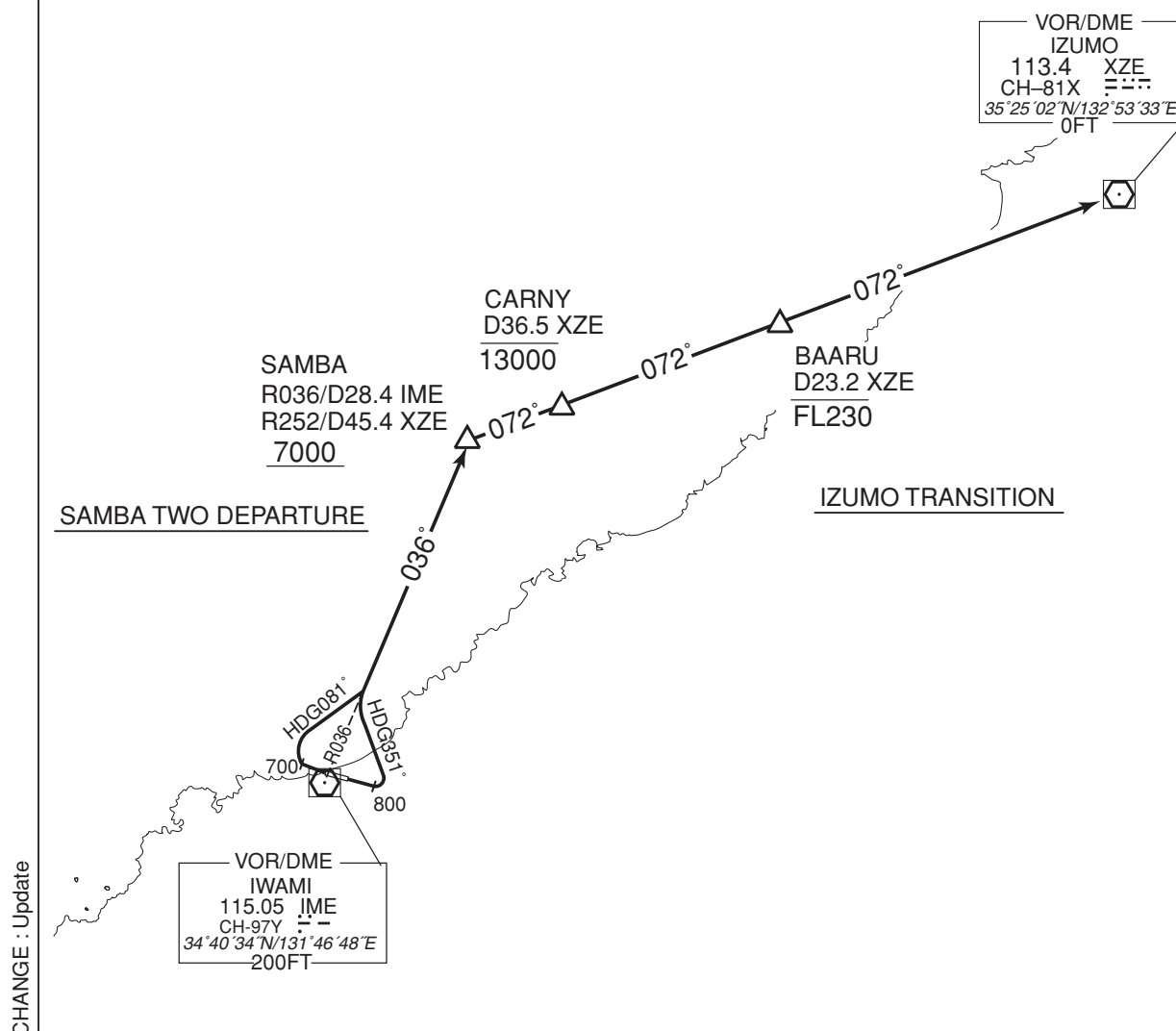
Note RWY11 : 5.7% climb gradient required up to 1700FT.

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

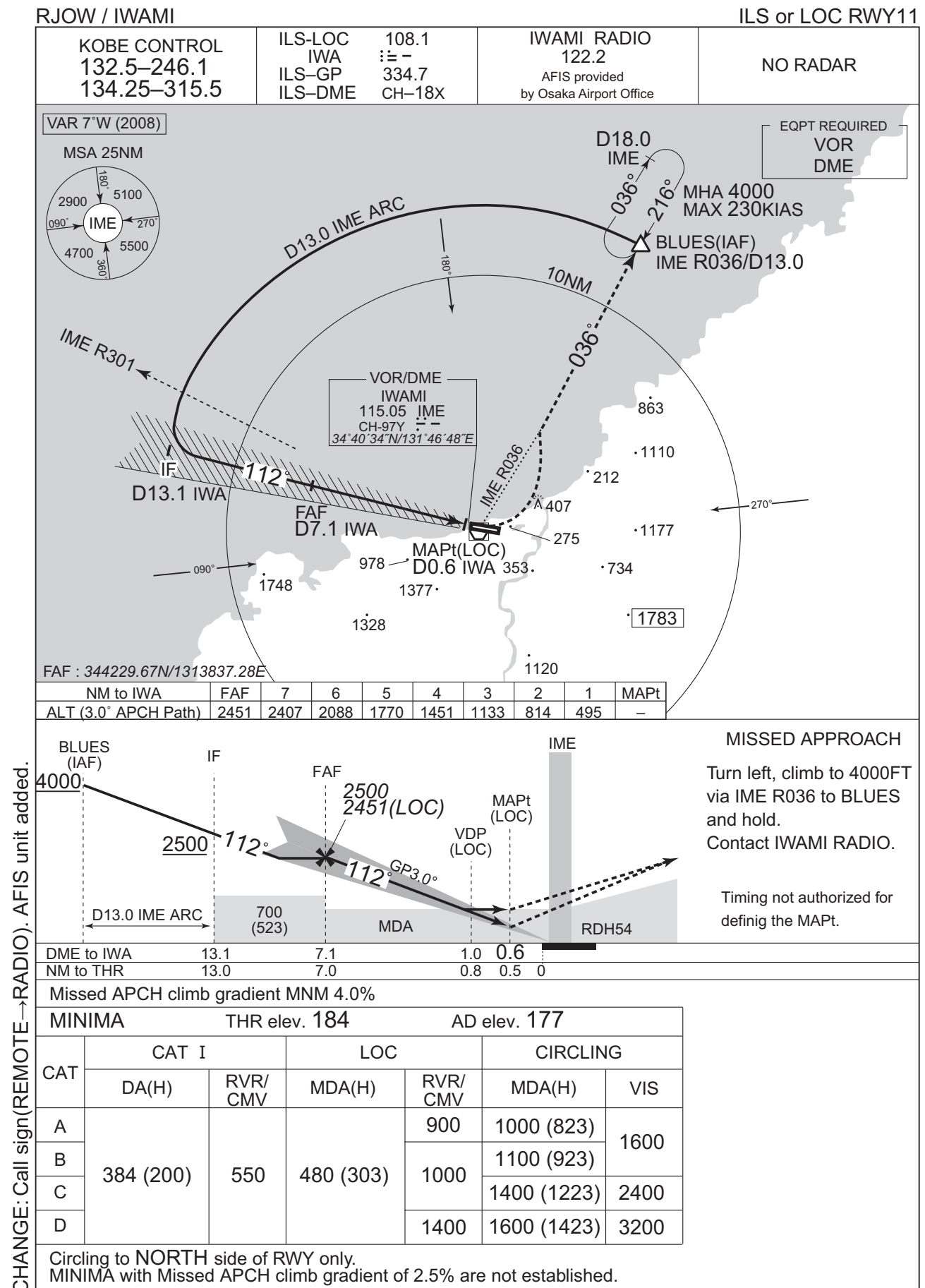
From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

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

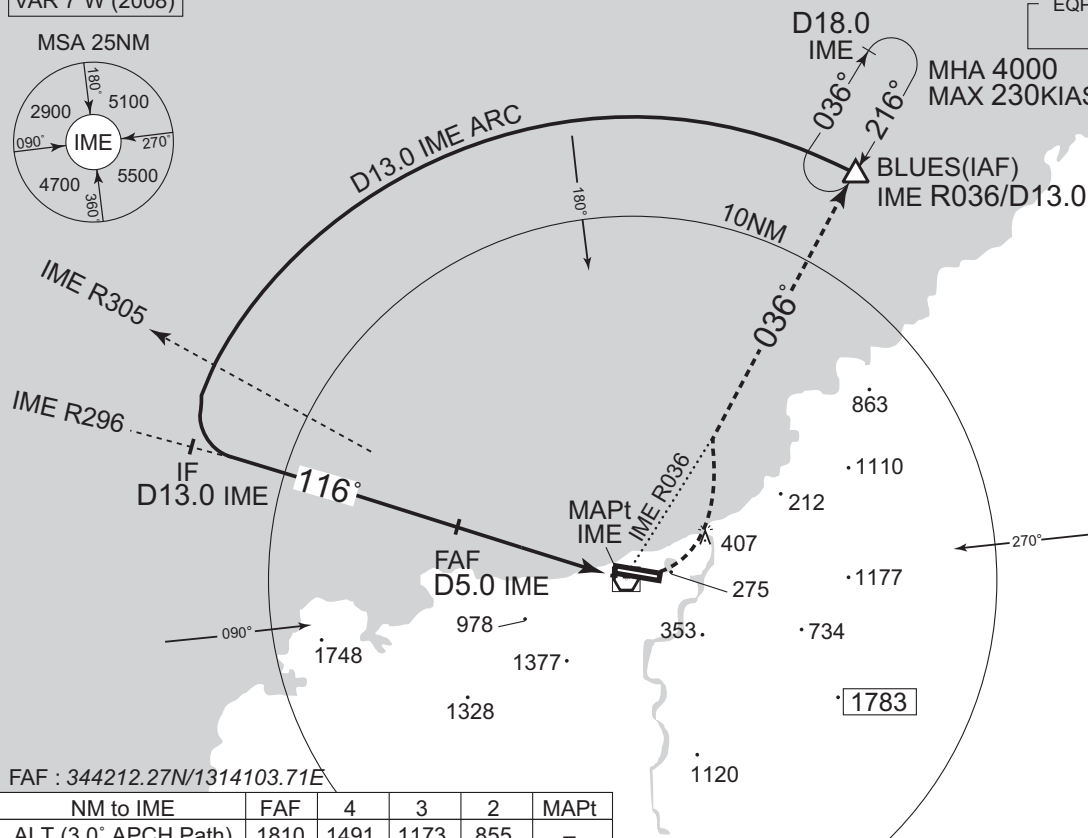
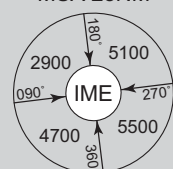
IWAMI RADIO
122.2
AFIS provided
by Osaka Airport Office

NO RADAR

VAR 7°W (2008)

EQPT REQUIRED
DME

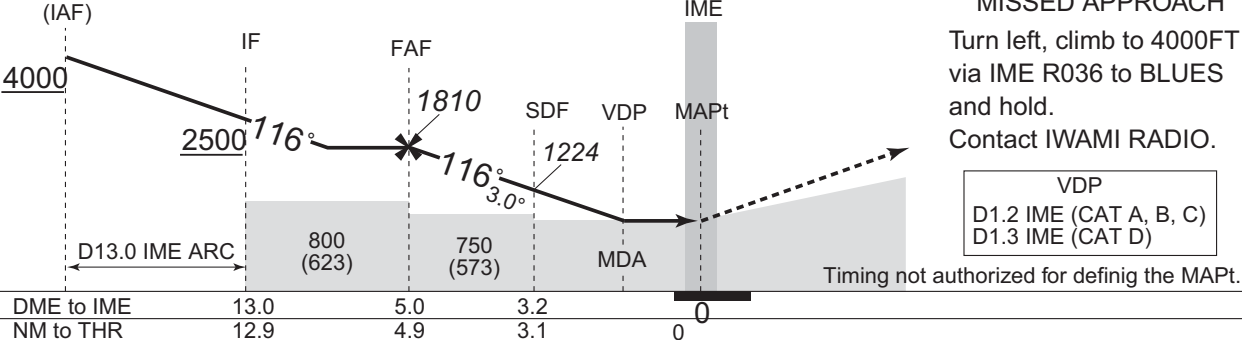
MSA 25NM



FAF : 344212.27N/1314103.71E

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

BLUES (IAF)



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)

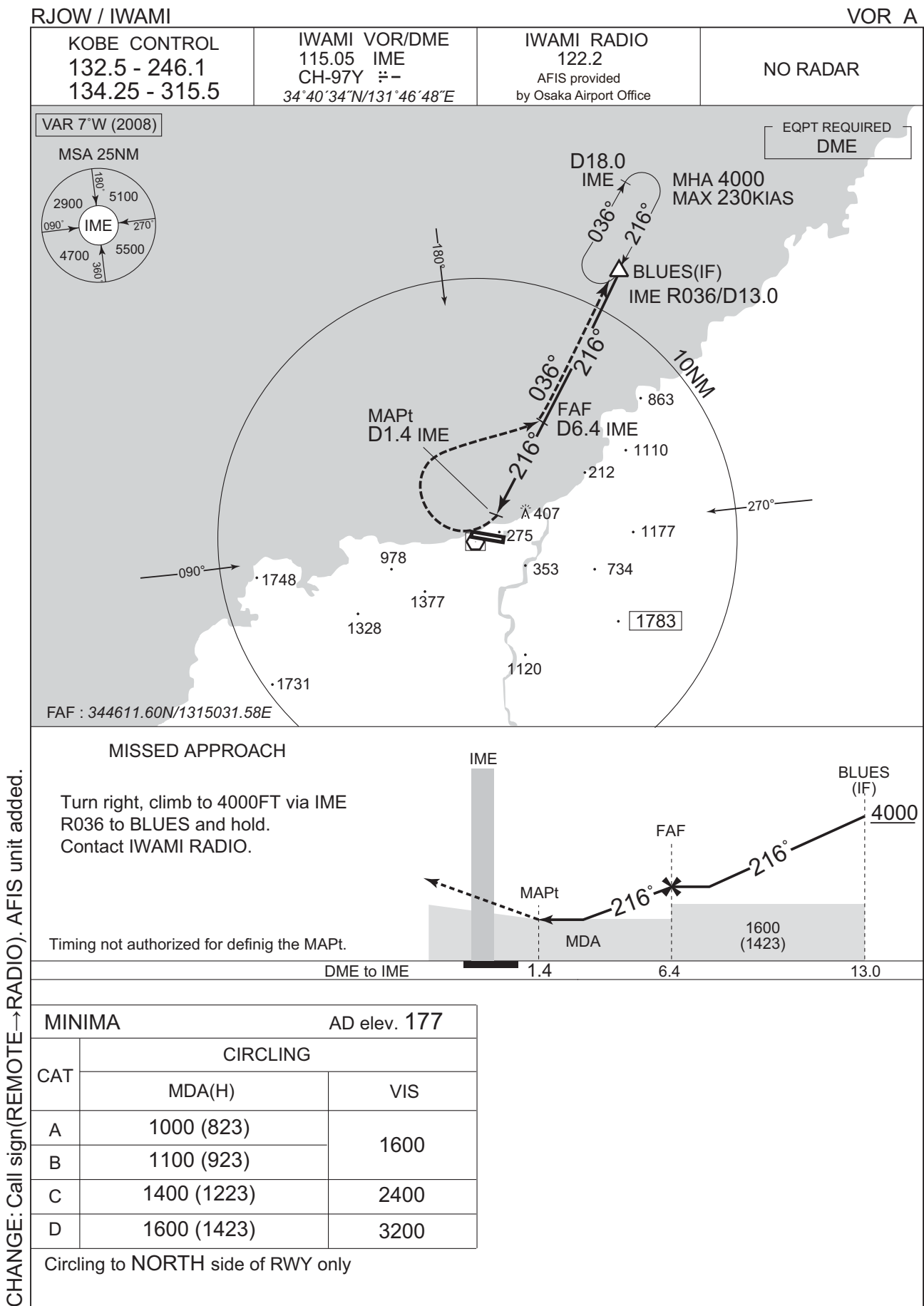
DME to IME	13.0	5.0	3.2	0
NM to THR	12.9	4.9	3.1	0

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.

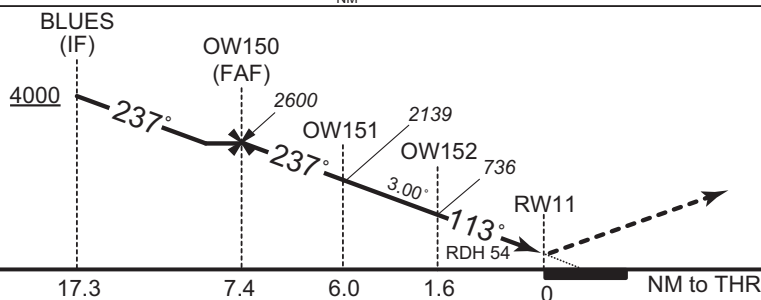
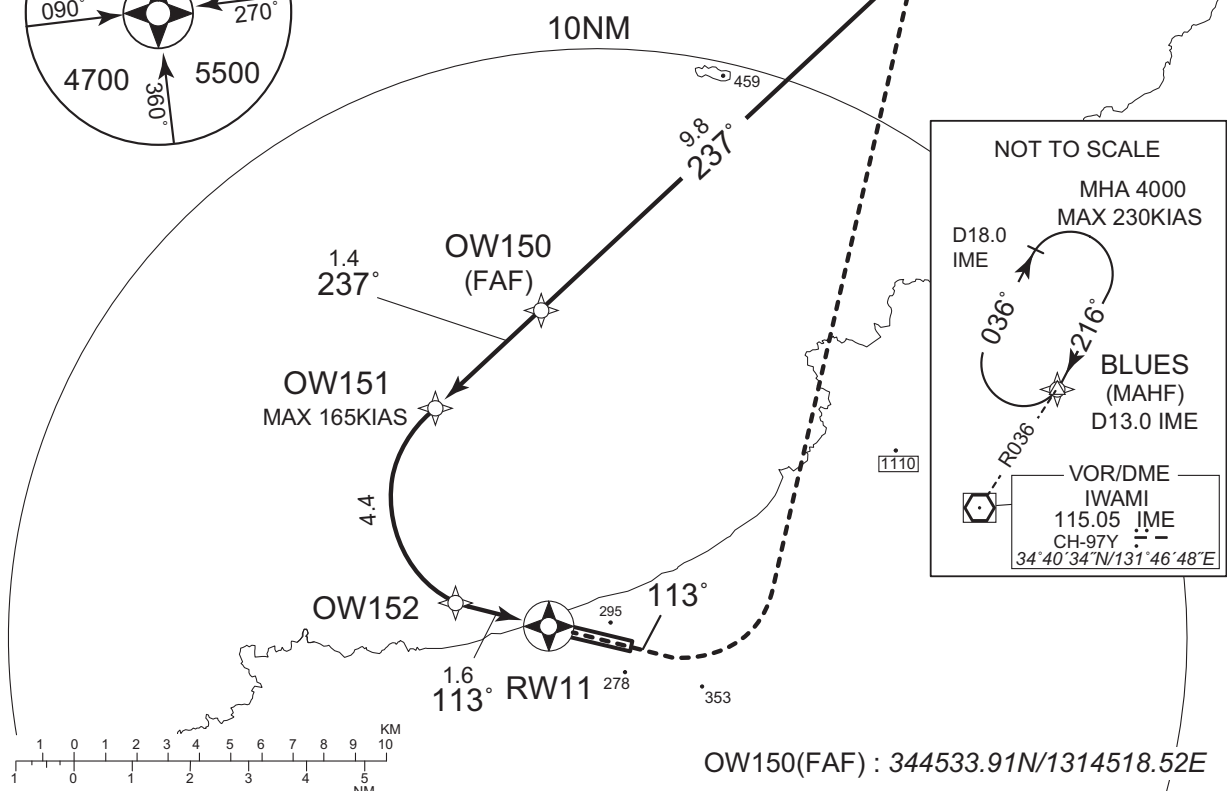
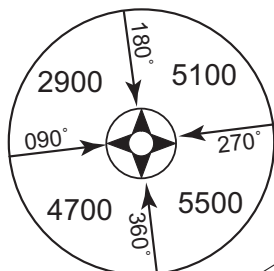
IWAMI RADIO
122.2
AFIS provided
by Osaka Airport Office

NO RADAR

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

VAR 8°W (2017)

MSA RW11 25NM



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.

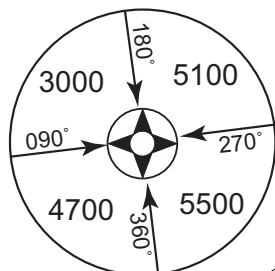
IWAMI RADIO
122.2
AFIS provided
by Osaka Airport Office

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)