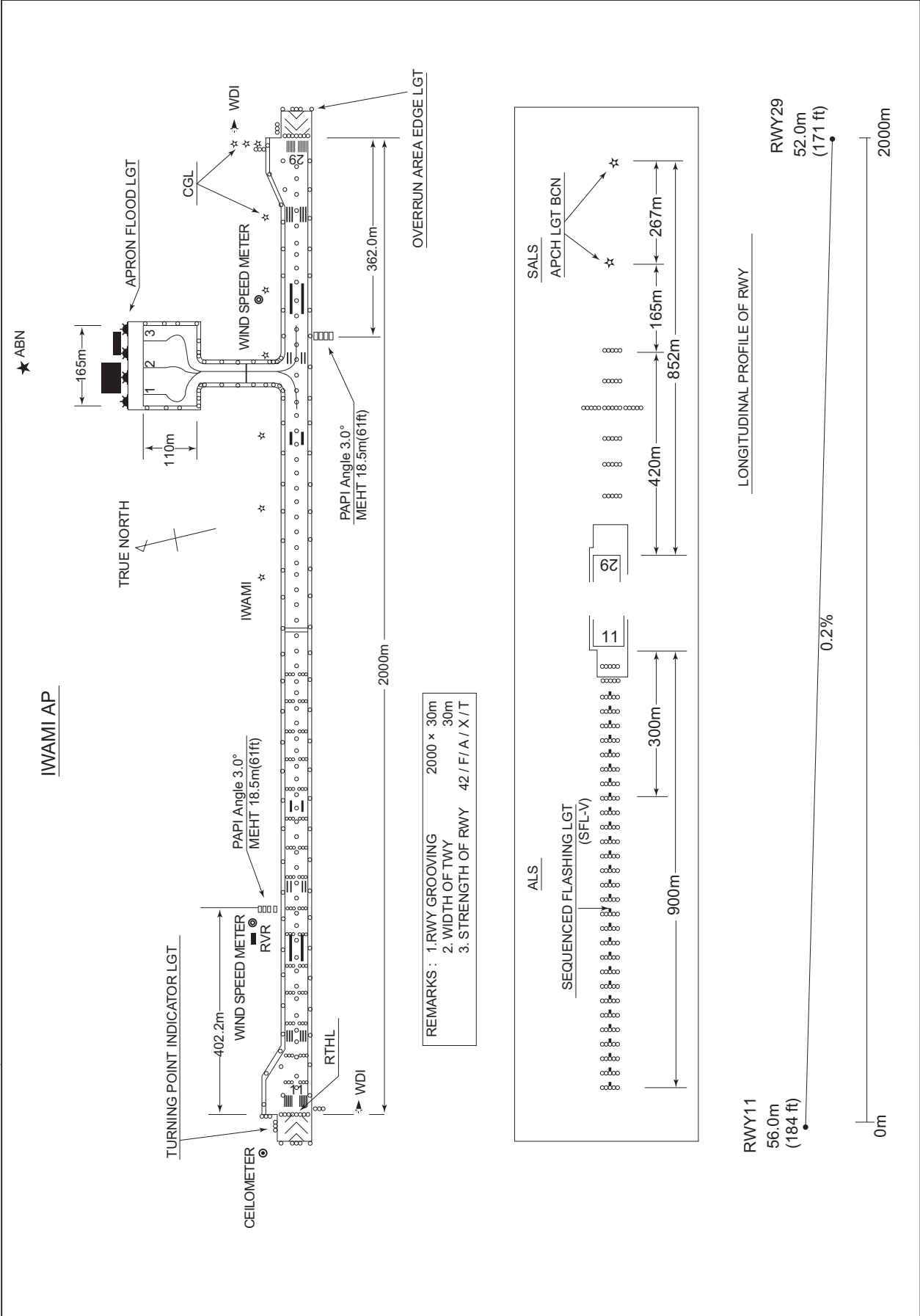


RJOW / IWAMI

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.

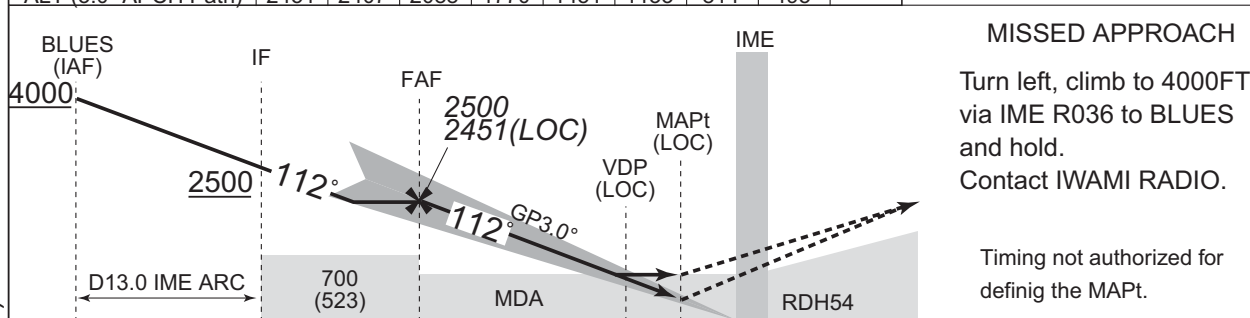
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SAMBA	–	–	-7.8	–	–	+7000	–	–	RNAV1
002	TF	OSPEL	–	077 (069.7)	-7.8	10.5	–	-13000	–	–	RNAV1
003	TF	VIBEL	–	078 (069.8)	-7.8	10.2	–	-FL230	–	–	RNAV1

CHANGE : New PROC

RJOW / IWAMI

ILS or LOC RWY11

NM to IWA	FAF	7	6	5	4	3	2	1	MAPt
Alt T (3.0° APCH Path)	2451	2407	2088	1770	1451	1133	814	495	-



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)	3200			

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

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

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

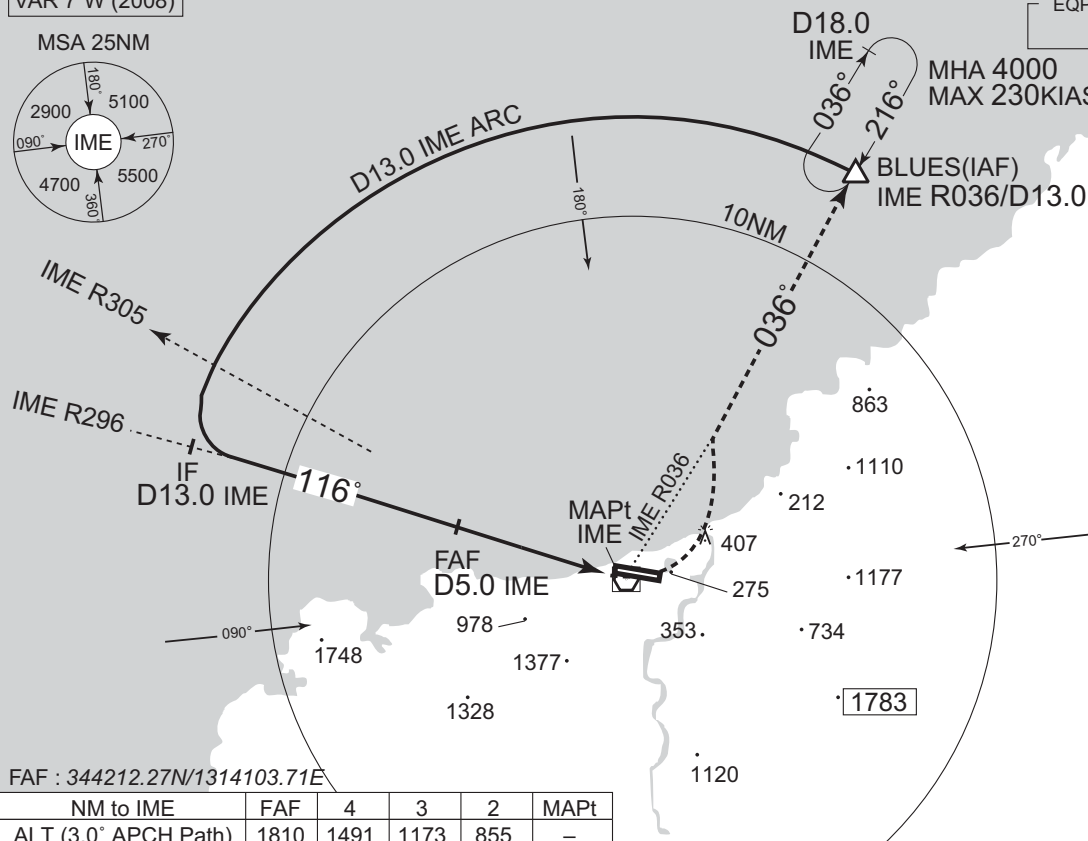
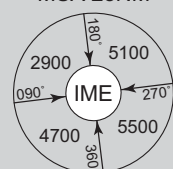
IWAMI RADIO
122.2
AFIS provided
by Osaka Airport Office

NO RADAR

VAR 7°W (2008)

EQPT REQUIRED
DME

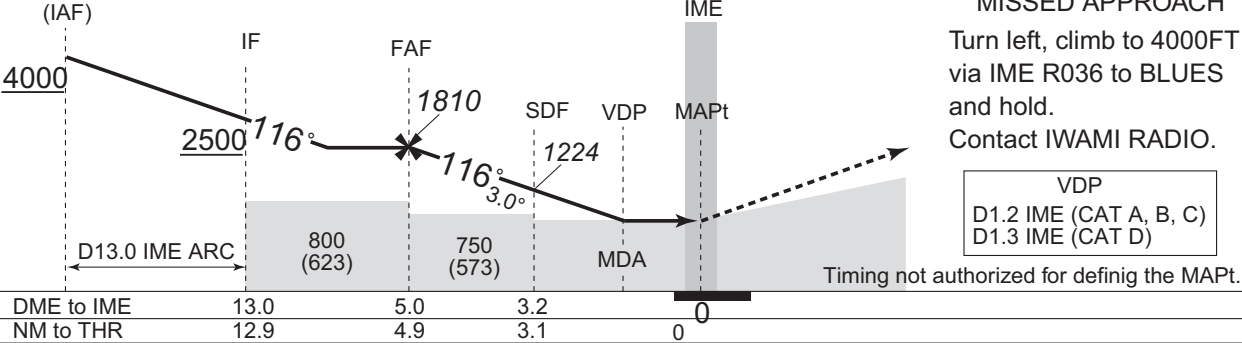
MSA 25NM



FAF : 344212.27N/1314103.71E

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

BLUES (IAF)



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

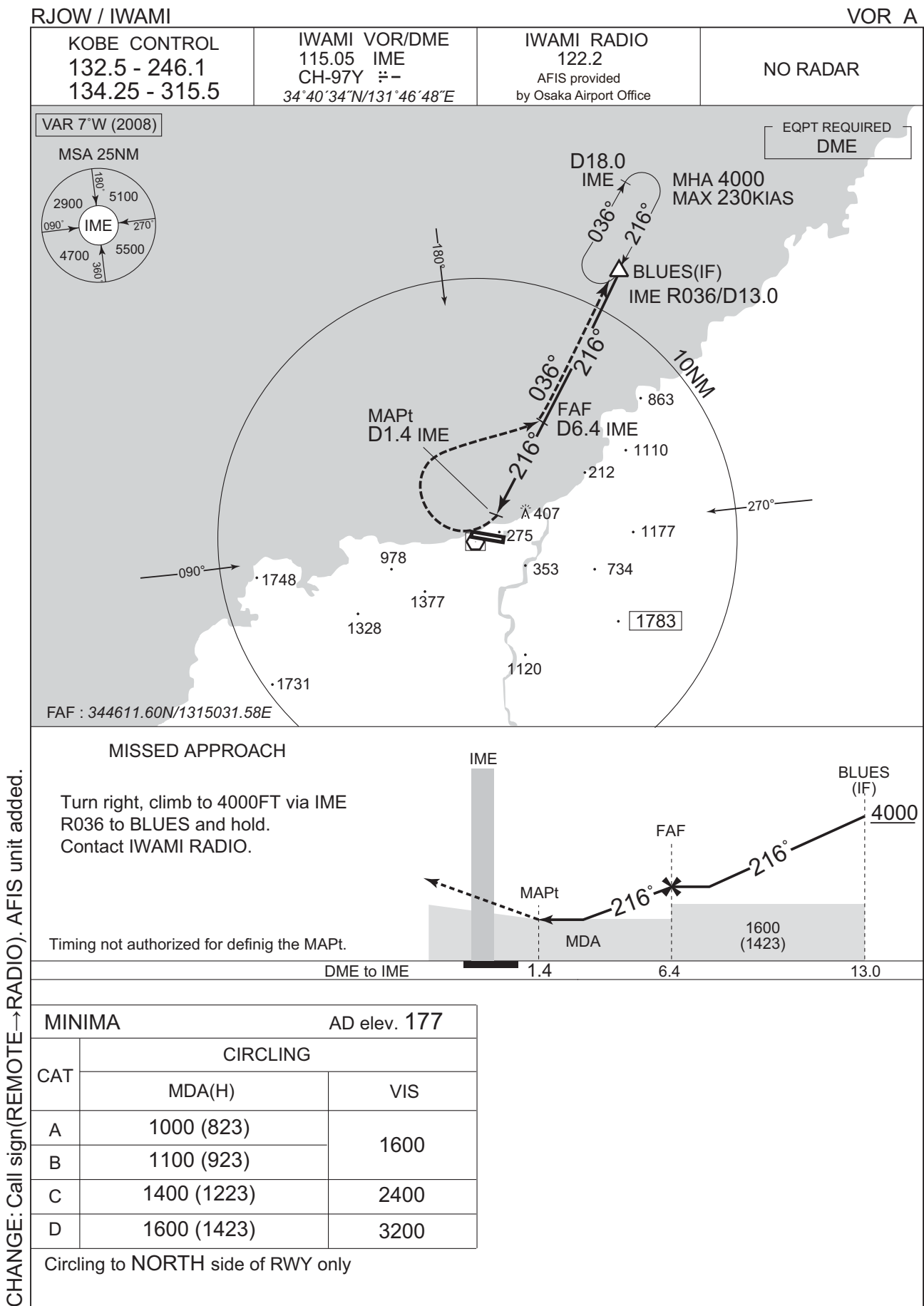
MINIMA THR elev. 184 AD elev. 177

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.

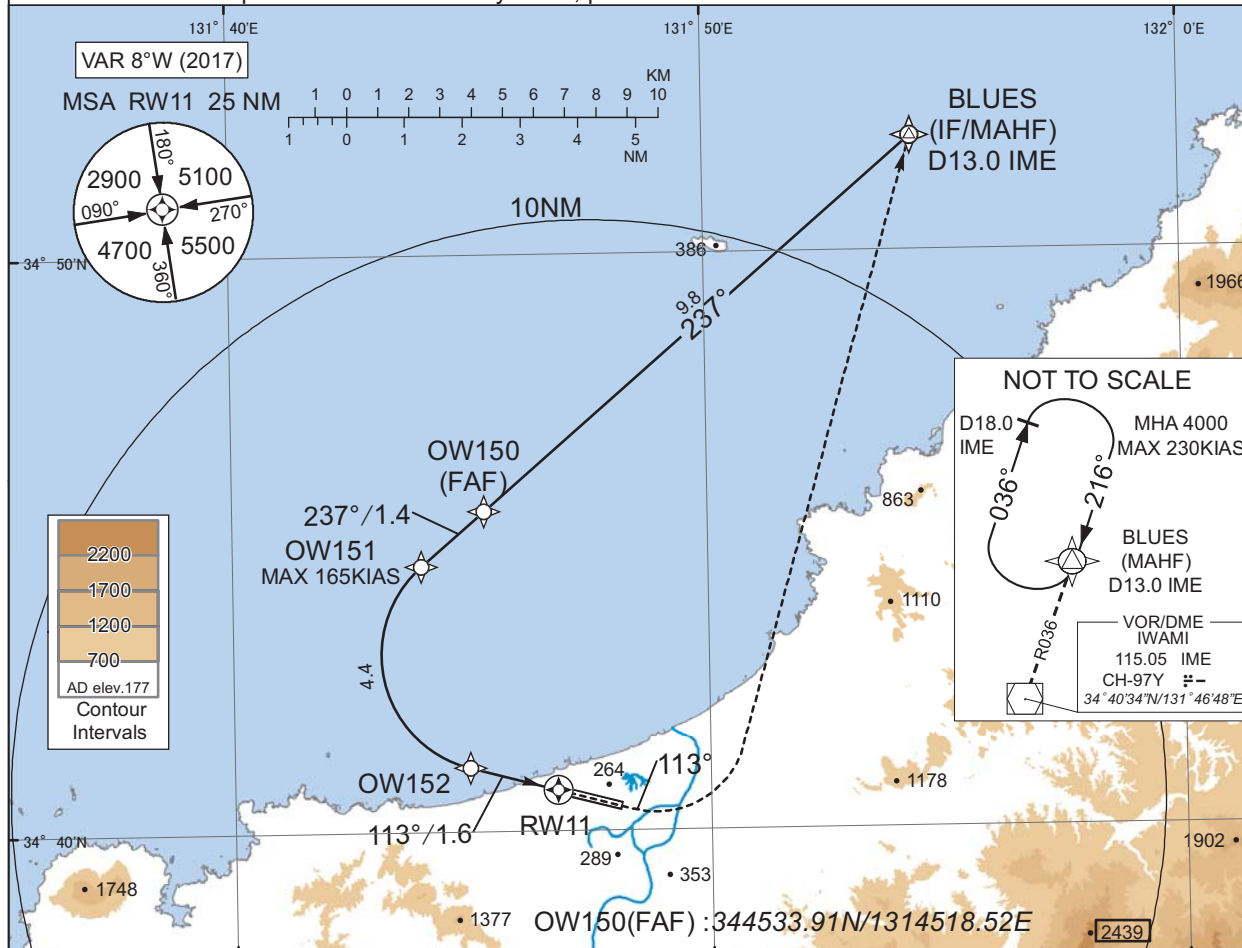
INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

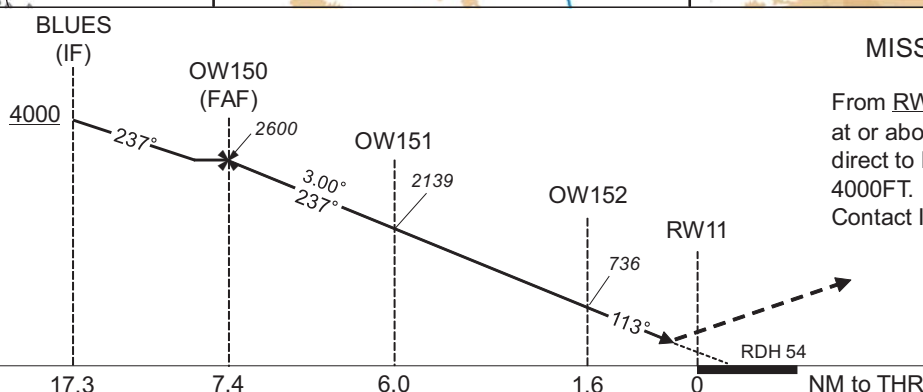
KOBE CONTROL 132.5 - 246.1 134.25 - 315.5	RNP AR RF required.	IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



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	-	-

Authorization Required

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

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	-	-	-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

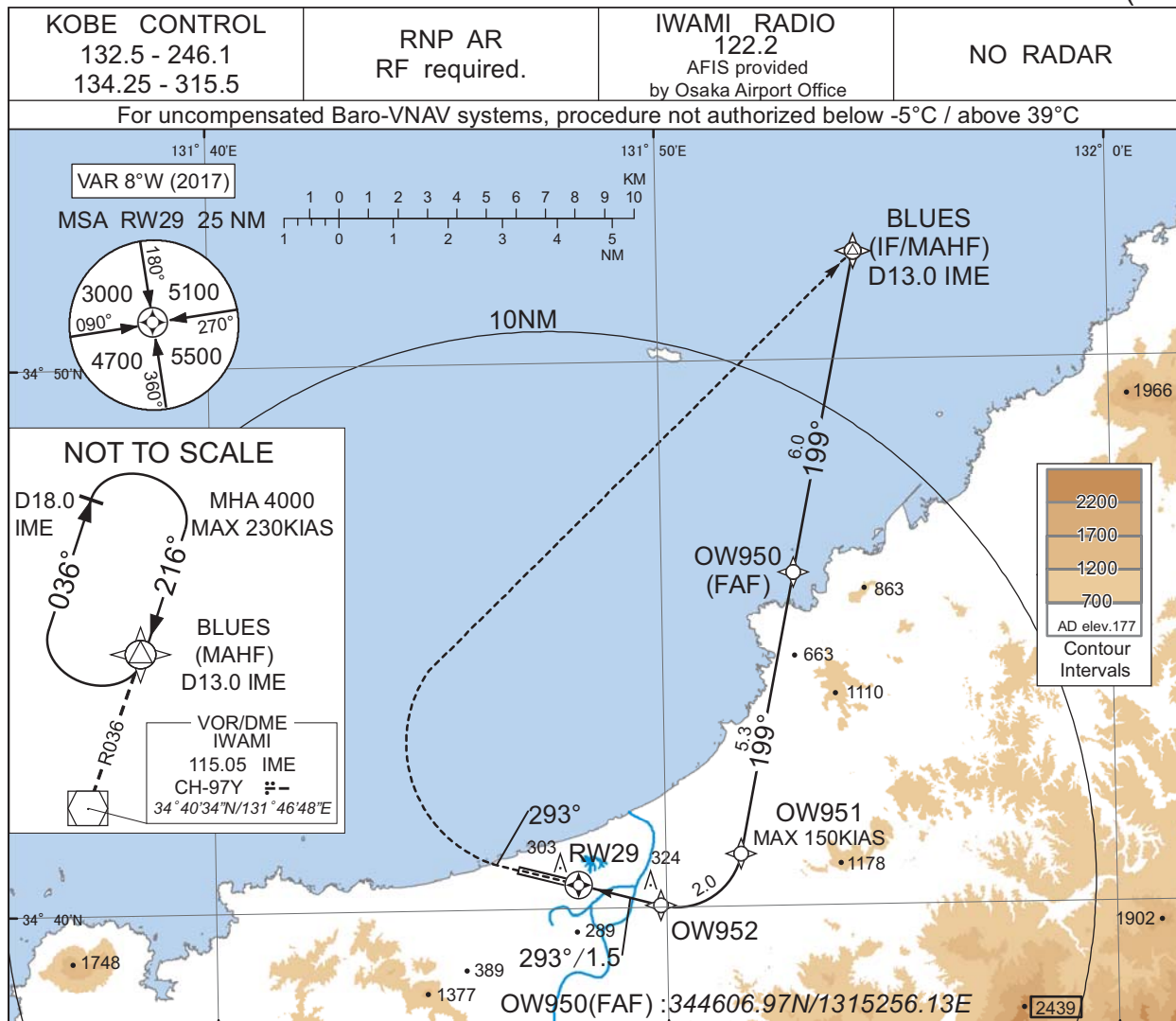
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BLUES	345159.02N / 1315423.09E	OWRF1	344304.90N / 1314534.53E
OW150	344533.91N / 1314518.52E		
OW151	344437.18N / 1314358.51E		
OW152	344107.26N / 1314456.99E		
RW11	344043.28N / 1314647.11E		

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(AR)



CHANGE : PROC renamed. Requirement for RNP.

Missed APCH climb gradient MNM 4.0%

CAT	THR elev. 171		AD elev. 177	
	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.

Authorization Required

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	-	-	-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 0.30
004	RF Center: OWRF2 r=1.20NM	OW952	-	-	-7.8	2.0	R	731	-	-3.10	0.16 0.30
005	TF	RW29	Y	293 (284.9)	-7.8	1.5	-	221	-	-3.10/50	0.16 0.30
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 : PROC renamed.





RJOW / IWAMI

Minimum Vectoring Altitude CHART



CENTER : 344035N/1314725E (ARP)