

STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

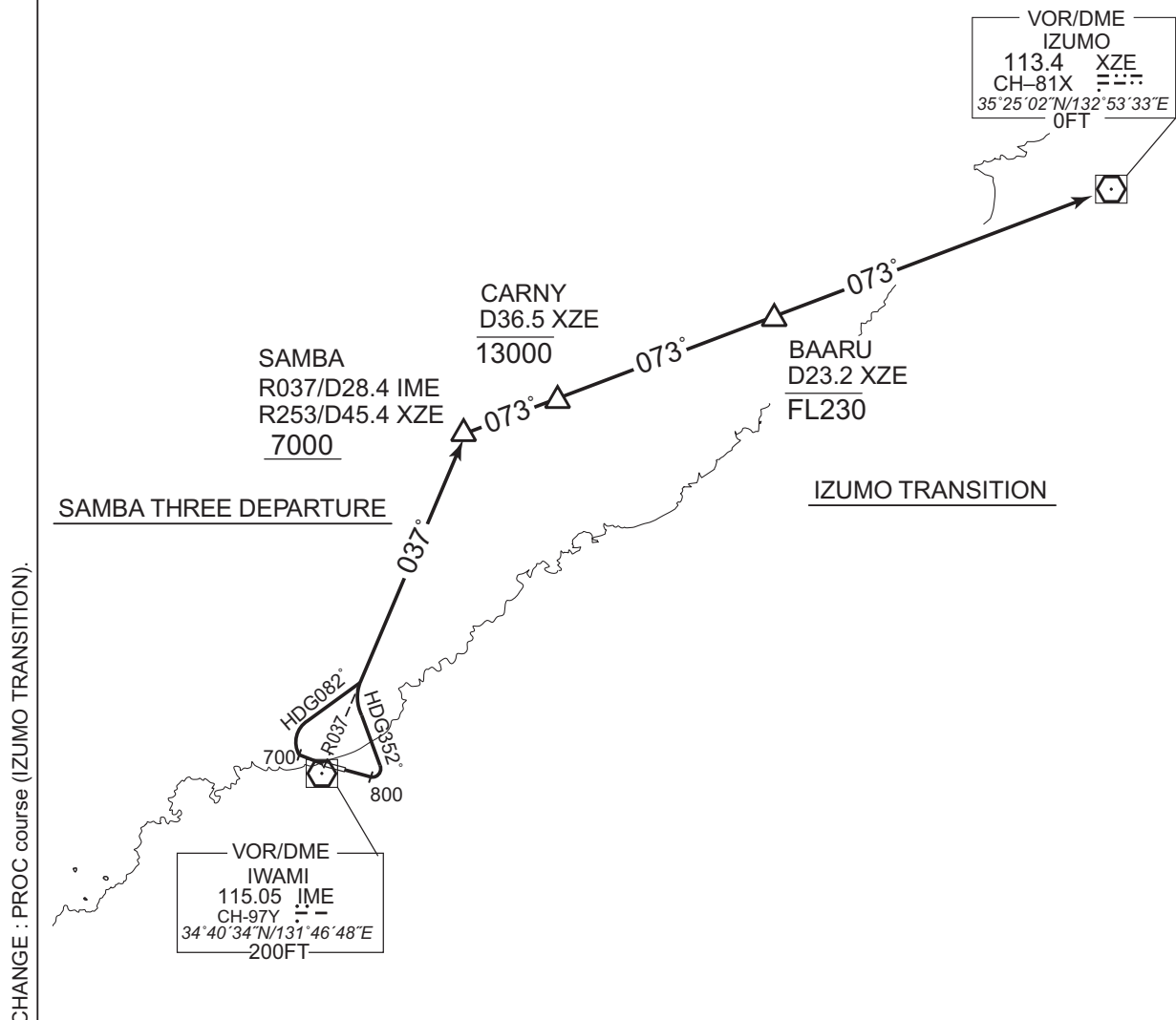
SAMBA THREE DEPARTURE

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 R253 to XZE VOR/DME.
Cross CARNY at or below 13000FT, cross BAARU at or below FL230.



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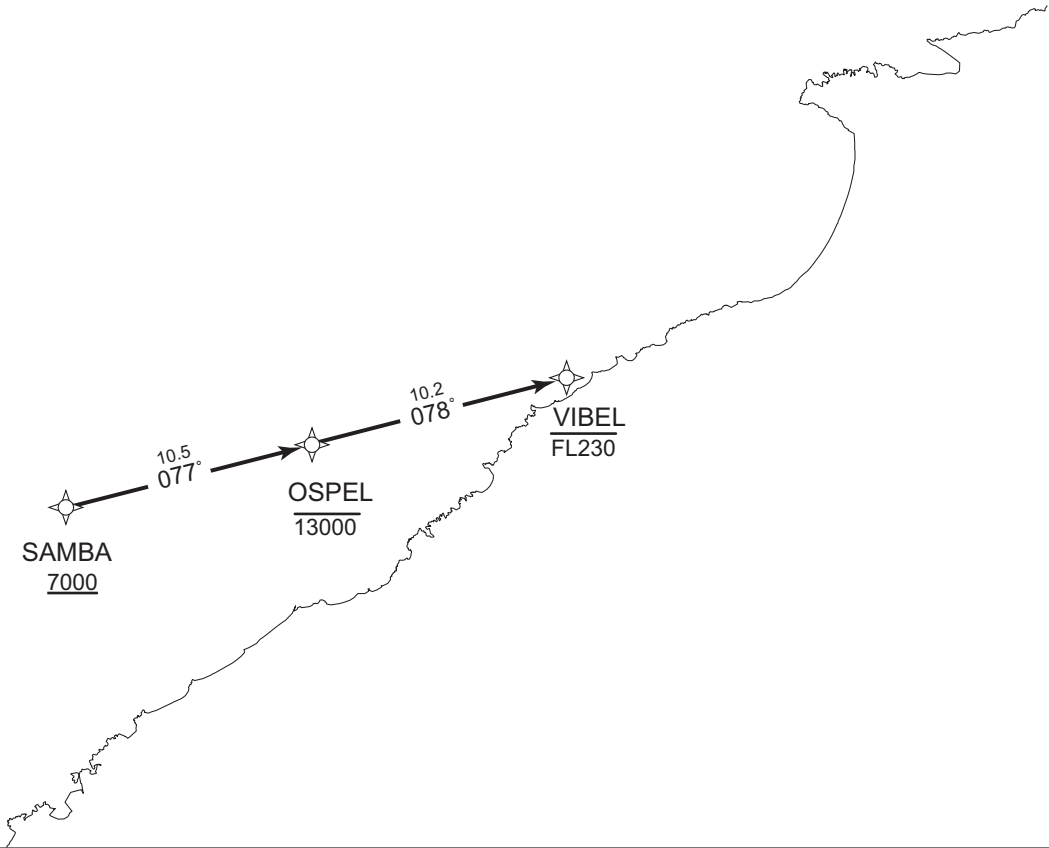
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RNAV TRANSITION

VIBEL TRANSITION	RNAV1
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Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8°W



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.

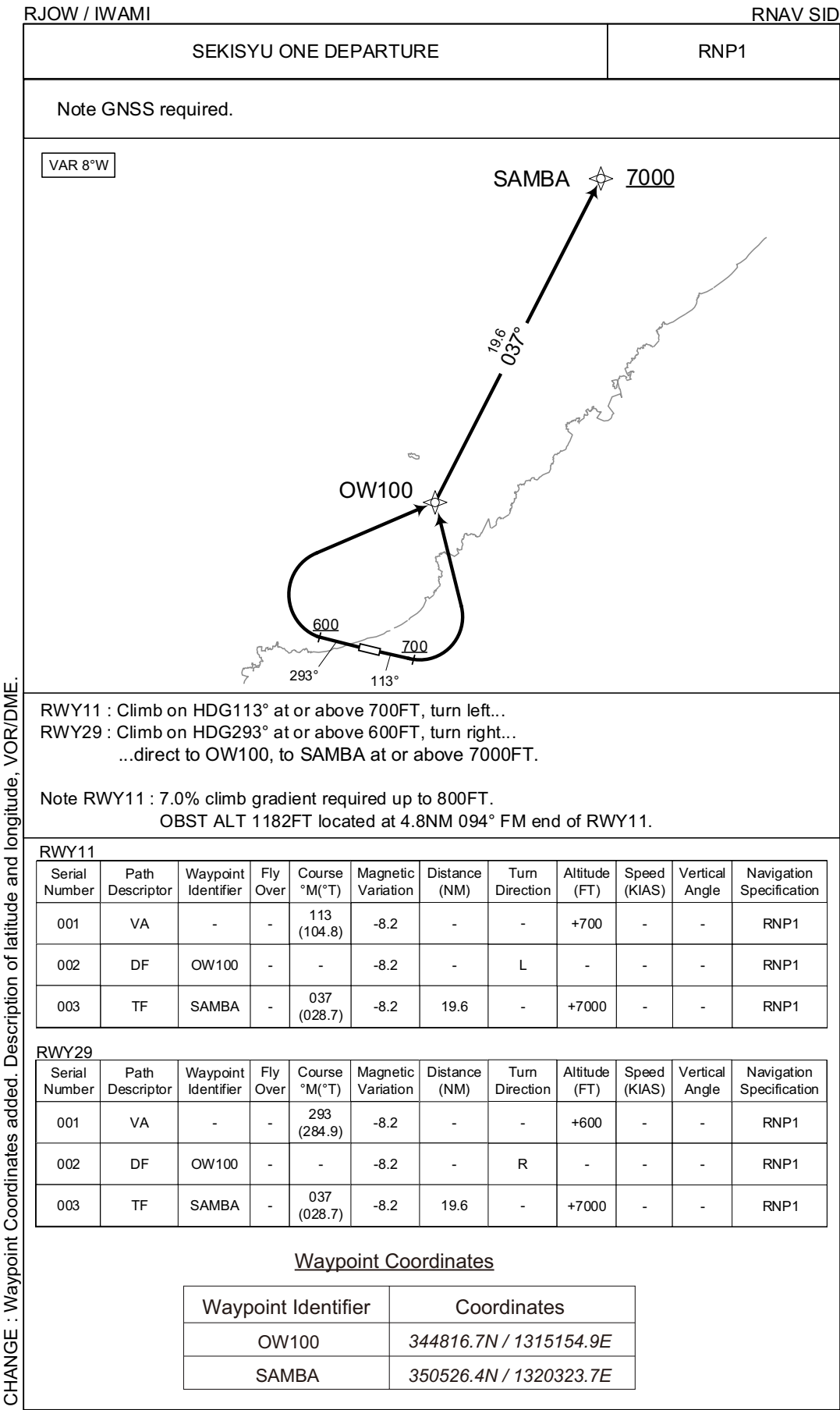
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SAMBA	-	-	-7.8	-	-	+7000	-	-	RNAV1
002	TF	OSPEL	-	077 (069.7)	-7.8	10.5	-	-13000	-	-	RNAV1
003	TF	VIBEL	-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

Waypoint Coordinates

Waypoint Identifier	Coordinates
SAMBA	350526.4N / 1320323.7E
OSPEL	350903.6N / 1321523.9E
VIBEL	351234.2N / 1322706.9E

CHANGE : Waypoint Coordinate added.

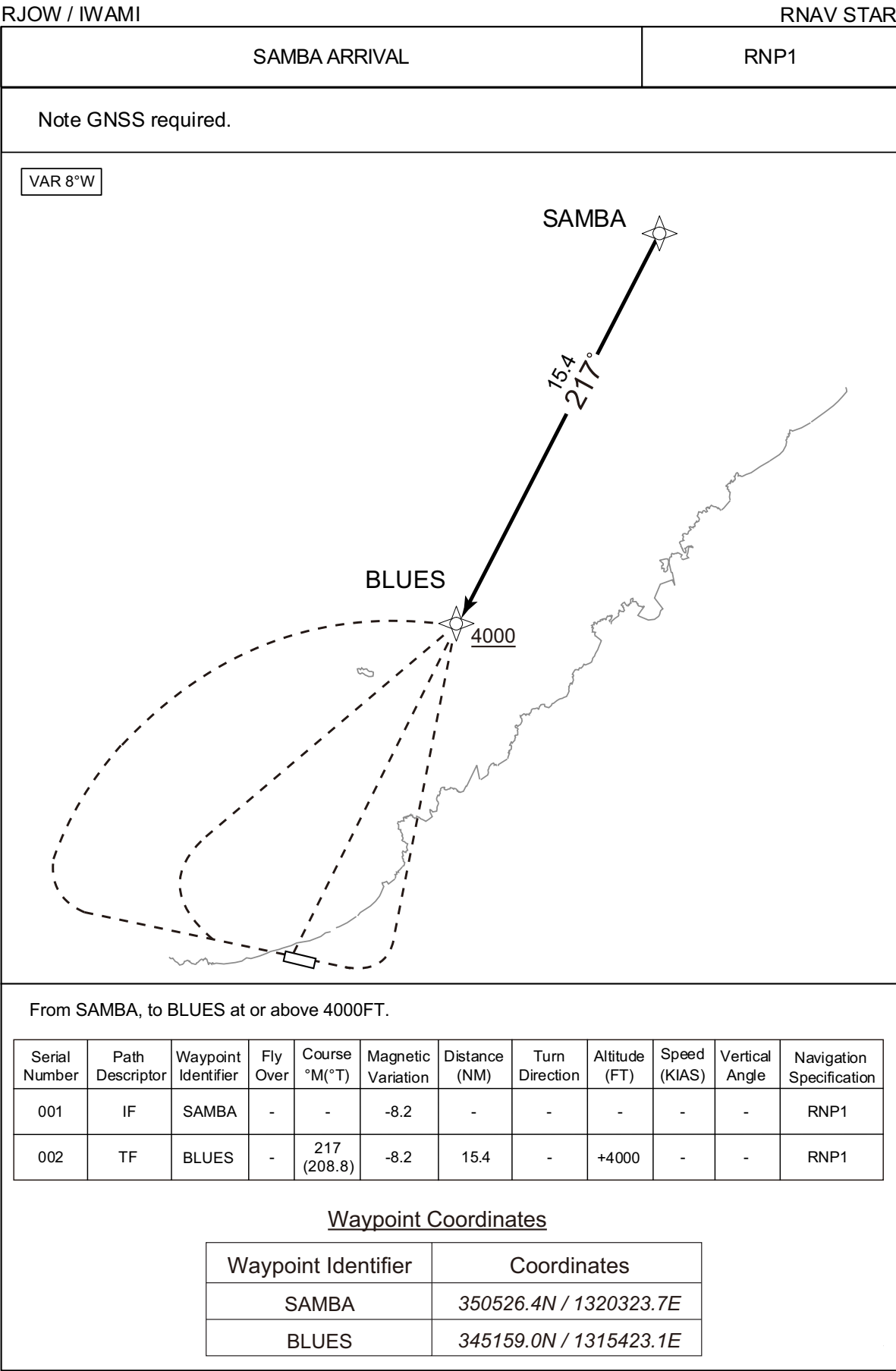
STANDARD DEPARTURE CHART-INSTRUMENT



CHANGE : Waypoint Coordinates added. Description of latitude and longitude, VOR/DME.

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STANDARD ARRIVAL CHART-INSTRUMENT



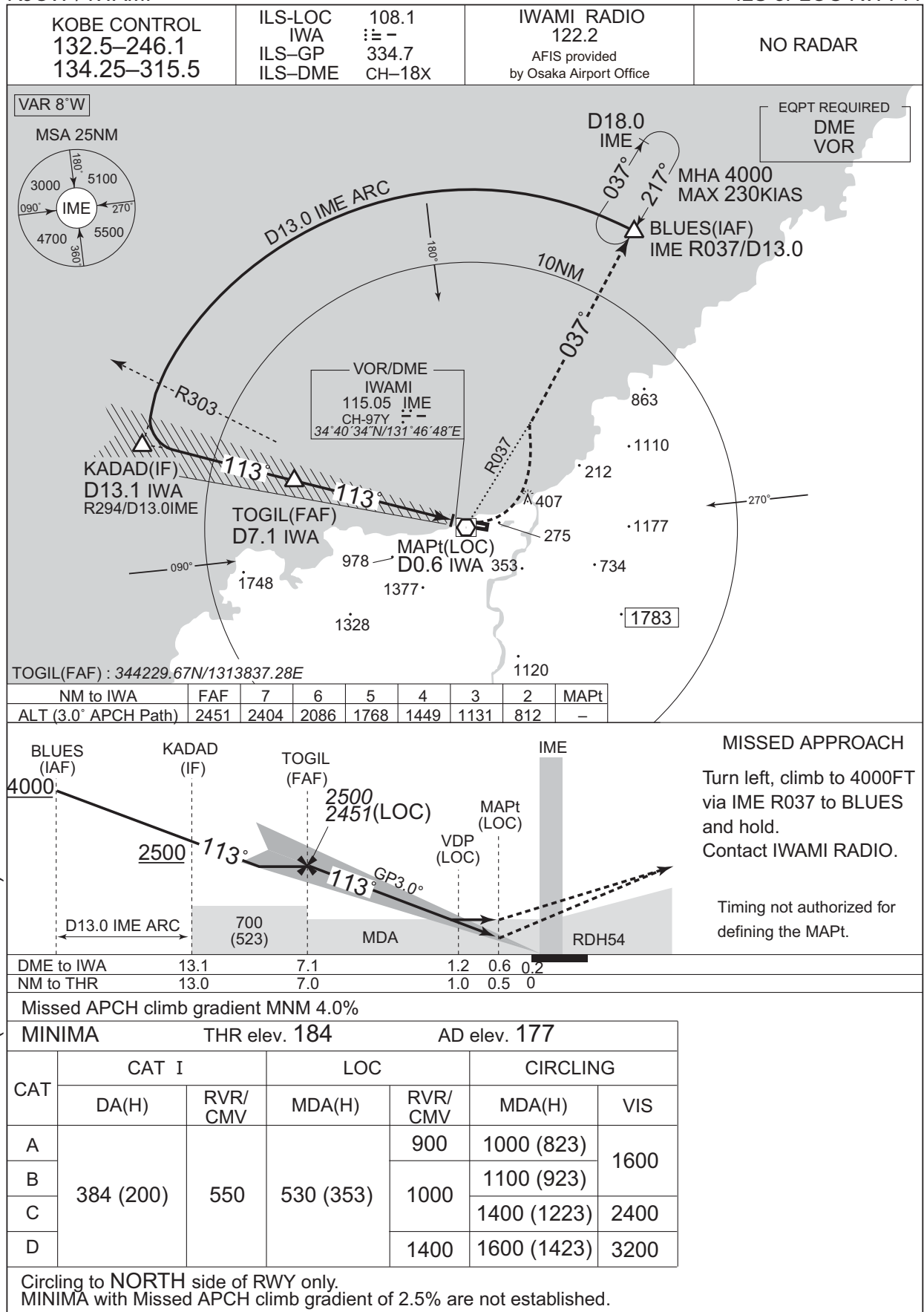
CHANGE : Waypoint Coordinates added. Description of latitude and longitude, VOR/DME.

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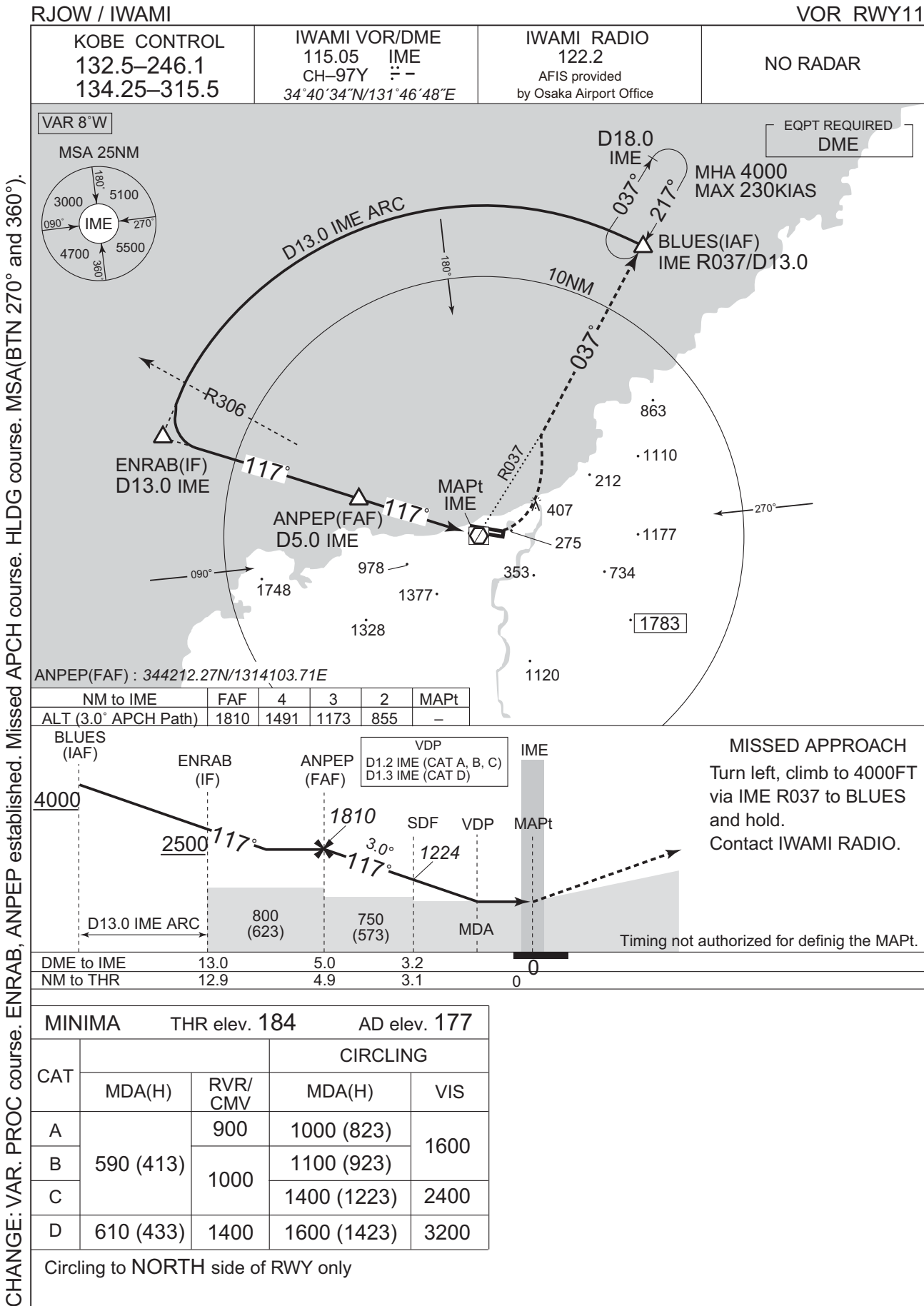
INSTRUMENT APPROACH CHART

RJOW / IWAMI

ILS or LOC RWY11



INSTRUMENT APPROACH CHART



CHANGE: VAR. PROC course. TELOB established. Missed APCH course. HLDG course. MSA(BTN 270° and 360°).

VOR A

VAR 8°W

MSA 25NM

IME

3000 5100 4700 5500

090° 180° 270° 360°

D18.0 IME

MHA 4000 MAX 230KIAS

BLUES(IF) IME R037/D13.0

TELOB(FAF) D6.4 IME

MAPt D1.4 IME

10NM

037° 217° 037° 217°

180° 270° 090°

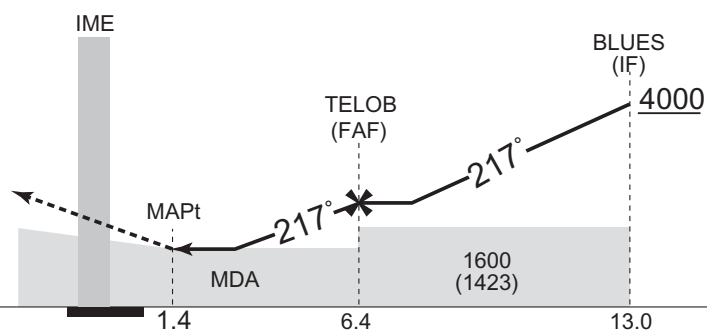
1748 978 1328 1377 1731 1120 353 734 1177 1110 863 407 275

1783

TELOB(FAF) : 344611.60N/1315031.58E

Turn right, climb to 4000FT via IME
R037 to BLUES and hold.
Contact IWAMI RADIO.

Timing not authorized for definig the MAPt.



Circling to NORTH side of RWY only

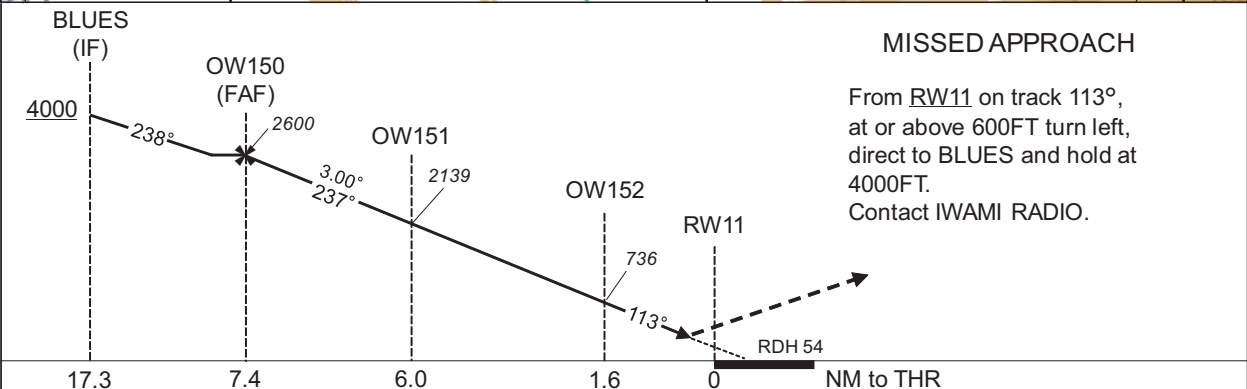
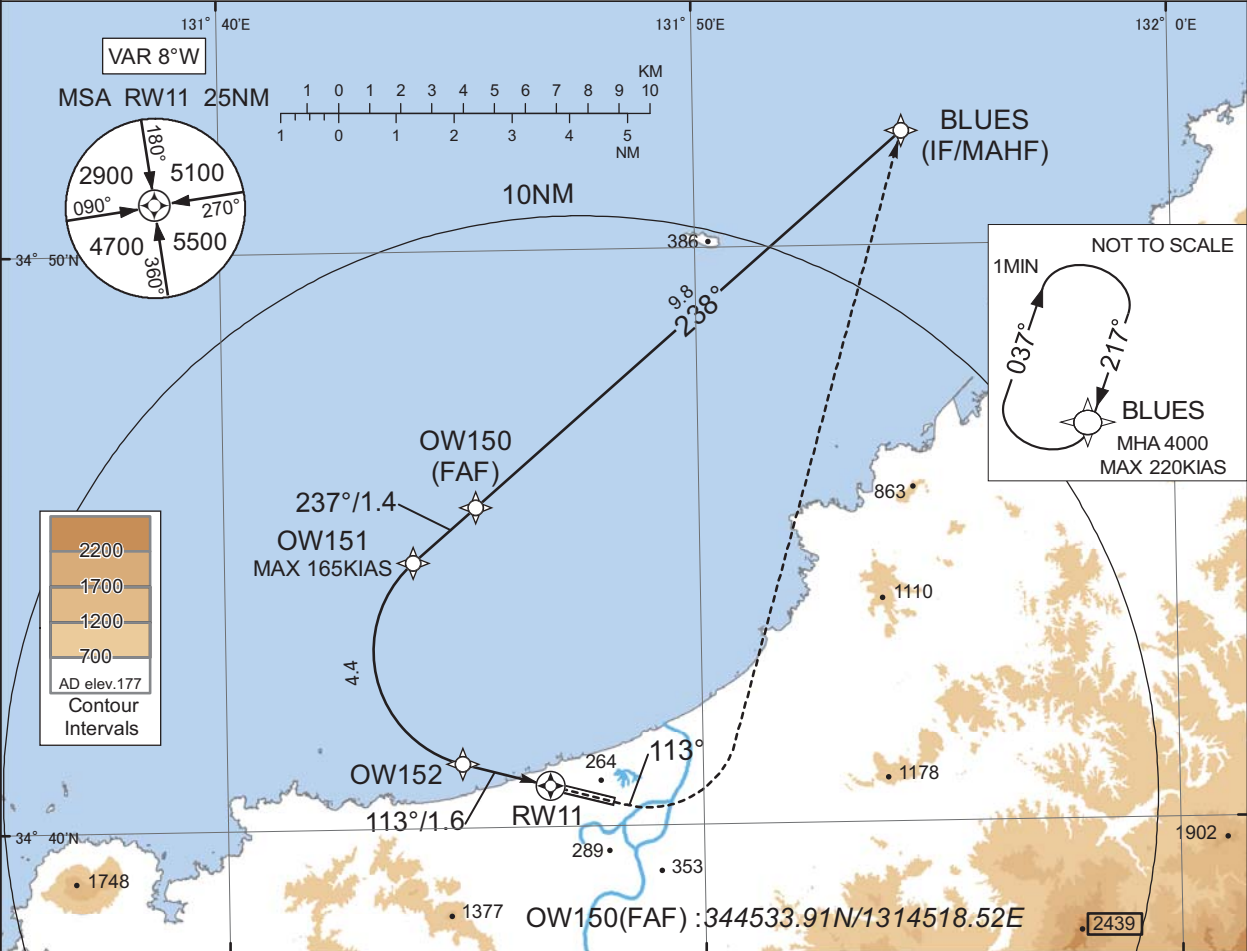
INSTRUMENT APPROACH CHART

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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 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

CHANGE : HLDG pattern for Using NAVAID abolished.

MISSED APPROACH

From RW11 on track 113°, at or above 600FT turn left, direct to BLUESS and hold at 4000FT. Contact IWAMI RADIO.

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

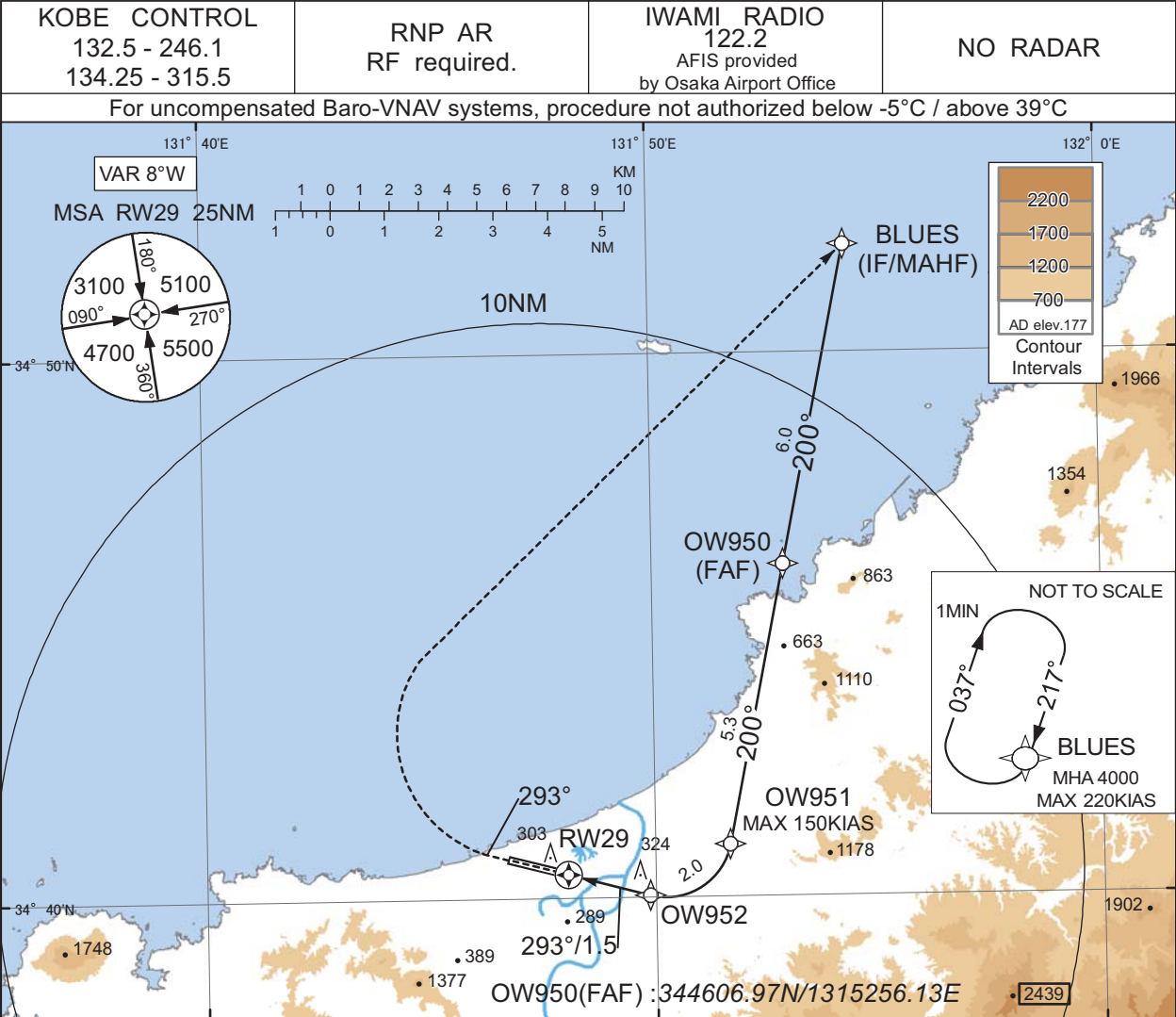
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BLUES	345159.02N / 1315423.09E	OWRF1	344304.90N / 1314534.53E
OW150	344533.91N / 1314518.52E		
OW151	344437.18N / 1314358.51E		
OW152	344107.26N / 1314456.99E		
RW11	344043.28N / 1314647.11E		

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

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(AR)



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%

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

CHANGE : HLDG pattern for Using NAVAID abolished.

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

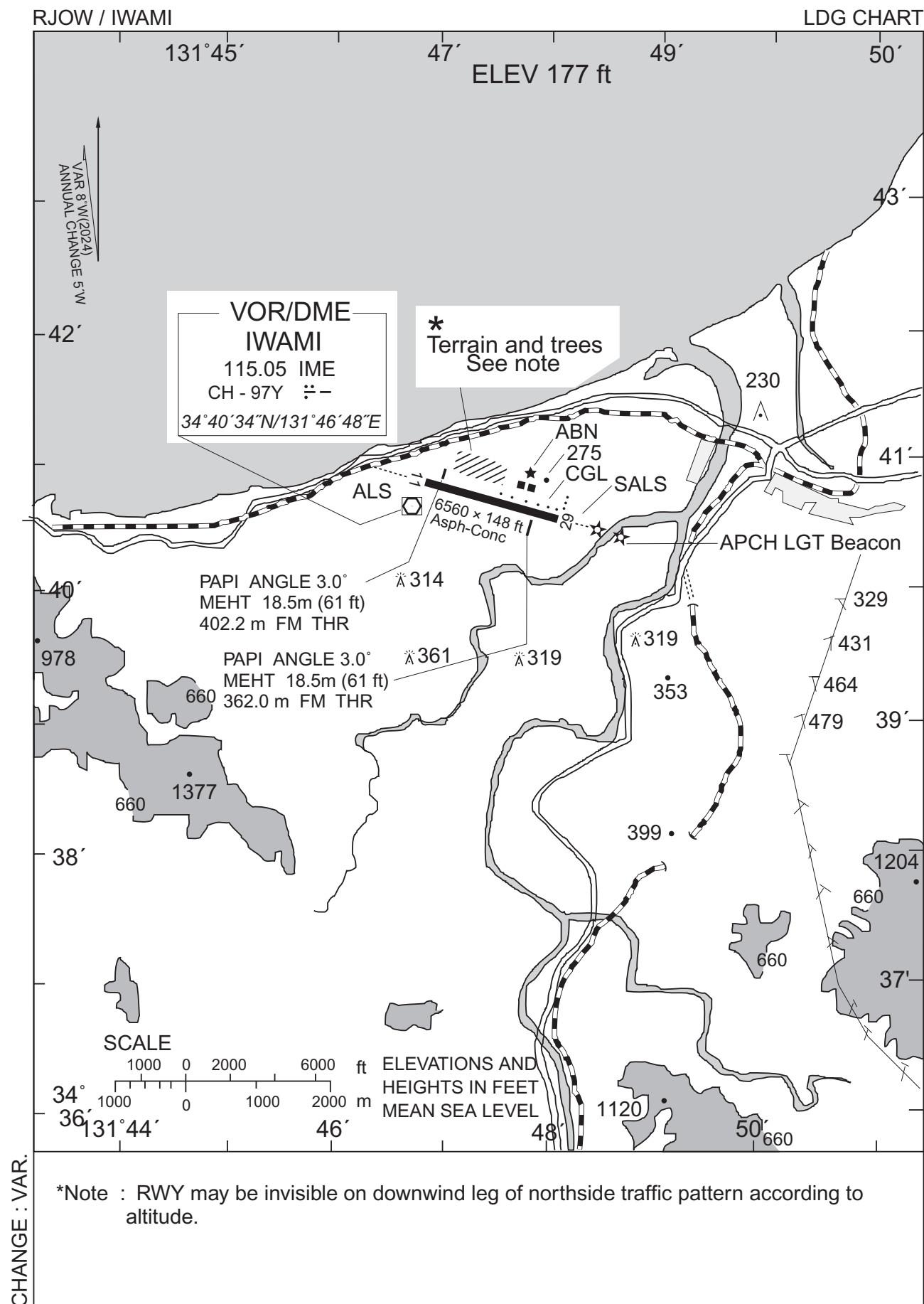
Visual REP



※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).

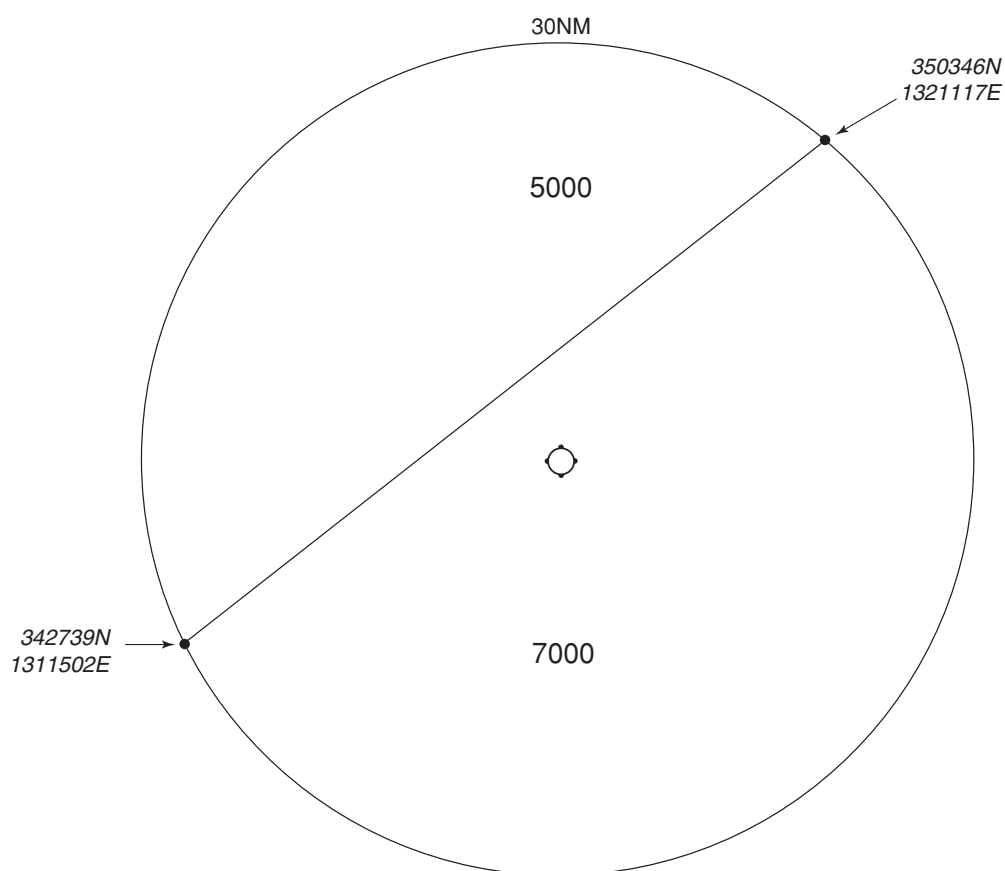
CHANGE : VAR.

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)