AD 2 AERODROMES

RJOW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJOW - IWAMI

RJOW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*344035N / 1314725E* 105°/1km FM RWY 11 THR
2	Direction and distance from (city)	2.8NM W of MASUDA City
3	Elevation/ Reference temperature	177ft / 30°C(2003-2007)
4	Geoid undulation at AD ELEV PSN	108ft
5	MAG VAR/ Annual change	8°W(2024) / 5'W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Shimane Pref. Public AP Iwami airport administration office. 1597, Uchida-cho, Masuda-city, Shimane, 698-0051 JAPAN Tel : 0856-24-0002 Fax : 0856-23-5491 AFS : Nil E-mail : iwamikukokanri@pref.shimane.lg.jp Web : http://www.pref.shimane.jp/
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

RJOW AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 - 1030
2	Customs and immigration	On request Customs: 0855-27-0366 Immigration: 0852-21-3834
3	Health and sanitation	Quarantine(human): On request(082-251-1836) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (KANSAI)
7	ATS	2300 - 1030 Remarks : AFIS provided by Osaka Airport Office.
8	Fuelling	2300 - 1030
9	Handling	2300 - 1030
10	Security	2300 - 1030
11	De-icing	2300 - 1030
12	Remarks	Nil

RJOW AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	All the modern institutions that deal with the aircraft to B737-500
2	Fuel/ oil types	Fuel grades : JET-A-1 Oil grades : Nil
3	Fuelling facilities/ capacity	Fuel truck refueling / Not limitation
4	De-icing facilities	TYPE-4 ABC-S, TYPE-1 DF-PLUS
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJOW AD 2.5 PASSENGER FACILITIES

1	Hotels	In Masuda city
2	Restaurants	At airport
3	Transportation	Busses and taxis
4	Medical facilities	In Masuda city 5km
5	Bank and Post Office	Nil
6	Tourist Office	Nil
7	Remarks	Nil

RJOW AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 7
2	Rescue equipment	Chemical fire fighting truck x 2, Emergency medical equipments conveyance truck x 1
3	Capability for removal of disabled aircraft	Ask AD administration
4	Remarks	Nil

RJOW AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Snow plow x 2, Snow sweeper x 1
2	Clearance priorities	(1) RWY 11/29 (2)TWY, Apron
3	Remarks	Nil

RJOW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : cement-concrete, Strength : PCR 845/R/B/W/T
2	Taxiway width, surface and strength	Width:30m, Surface : asphalt-concrete, Strength:PCR 991/F/D/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	Spot NR *1: 344041.11N 1314746.35E* *2: 344040.68N 1314748.34E* *3: 344040.18N 1314750.62E*
6	Remarks	Nil

RJOW AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

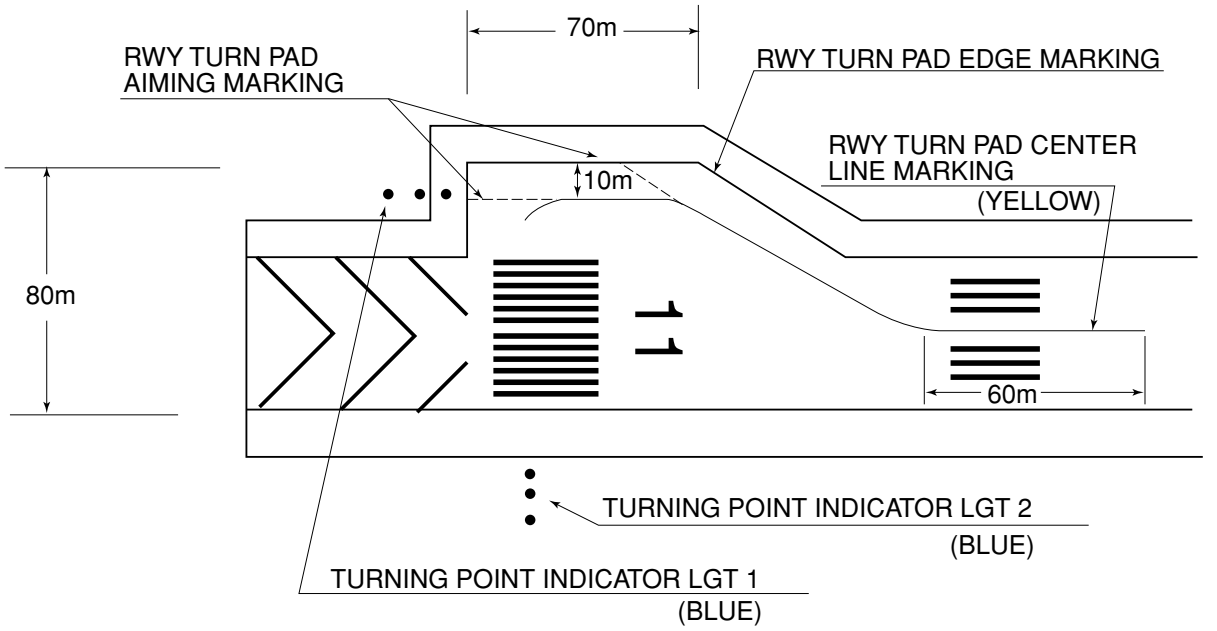
1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY:11/29 (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe, RWY turn pad edge, RWY turn pad CL, RWY turn pad aiming (LGT)RCLL, REDL, RTHL, RENL, RTZL(RWY11), WBAR(RWY11), Turning point indicator LGT TWY: (Marking)TWY CL, TWY side stripe, RWY HLDG PSN (LGT)TWY edge LGT, TWY CL
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) APN flood LGT

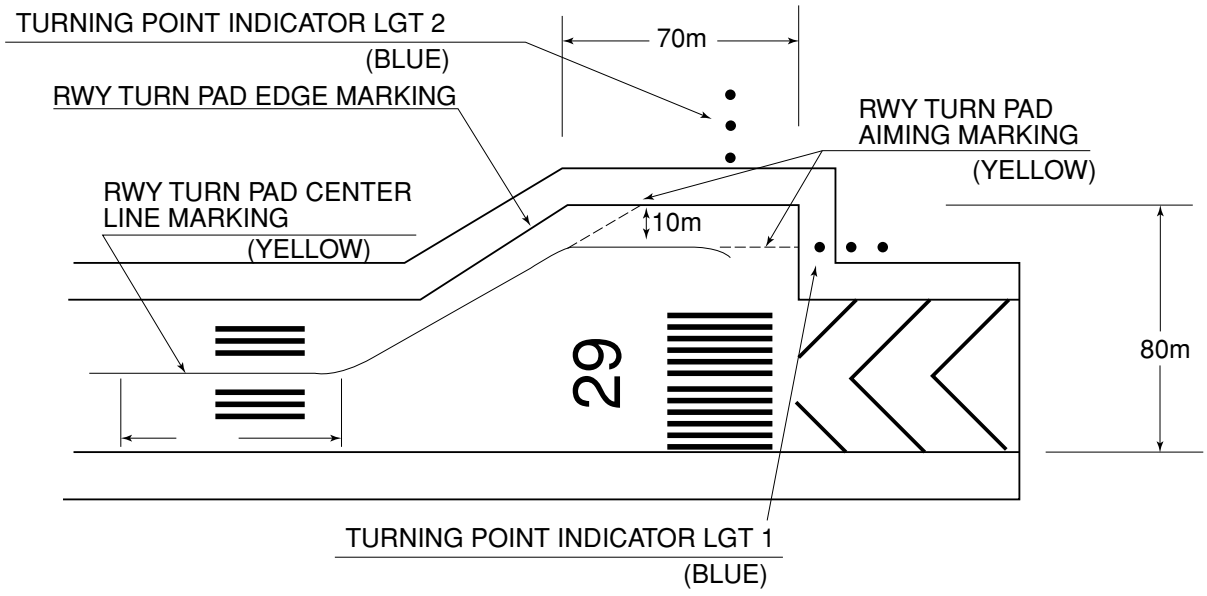
180° turn on RWY

RWY Turn pads are installed as shown in below figure, and procedures for 180˚ turn on RWY is established for RWY 11 and 29 as follows:

a. Proceed along the RWY Center Line to the starting point of the RWY Turn Pad Center Line Marking; then,

b. proceed along the RWY Turn Pad Center Line Marking to see the Turning Point Indicator Lights 1 on a straight line, then commence turn at the spot where you (pilot) can see the Turning Point Indicator Lights 2 on a straight line at an angle of 9 o'clock. When turning, take MAX STEERING ANGLE.





RJOW AD 2.10 AERODROME OBSTACLES

In Area2 See Obstacle data

Other obstacles

OBST ID/ designation	Obstacle type	Coordinates	Elevation	Markings/LGT	Remarks
RJOW1	Panzer mast	*343955.5N/1314634.1E*	314ft	- / LIM	Under horizontal SFC
RJOW2	Panzer mast	*343923.5N/1314739.1E*	319ft	- / LIM	Under horizontal SFC
RJOW3	Panzer mast	*343929.5N/1314850.1E*	319ft	- / LIL	Under horizontal SFC
RJOW4	Tree	*343936.1N/1314855.0E*	308ft	- / -	Under horizontal SFC
RJOW5	Tree	*343929.9N/1314850.4E*	319ft	- / -	Under horizontal SFC
RJOW6	Tree	*343929.2N/1314849.6E*	315ft	- / -	Under horizontal SFC
RJOW7	Tree	*343940.0N/1314552.7E*	308ft	- / -	Under horizontal SFC
RJOW8	Tree	*343939.9N/1314552.9E*	307ft	- / -	Under horizontal SFC
RJOW10	Pole	*343955.2N/1314634.2E*	309ft	- / -	Under horizontal SFC

In Area3 To be developed

RJOW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	KANSAI
2	Hours of service MET Office outside hours	H24 (KANSAI)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at KANSAI
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S_6, U_{85}, U_7, U_5, U_3, U_{25}, U_2/T_r, P_S, P_5, P_3, P_{25}, P_{SWE}, P_{SWF}, P_{SWG}, P_{SWI}, P_{SWM}, P_{SW}(domestic), E, C, W_E, W_F,W_G,W_I, W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information(limitation of service, etc.)	Nil

RJOW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCR) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	104.78°	2000×45	PCR 1115/F/D/X/T Asphalt Concrete	*344043.28N* *1314647.11E* 108.2ft	THR ELEV : 183.7ft TDZ ELEV : 182.8ft
29	284.78°	2000×45	PCR 1115/F/D/X/T Asphalt Concrete	*344026.72N* *1314803.07E* 108.3ft	THR ELEV : 170.6ft

Slope of RWY	Strip Dimensions(M)	RESA (Overrun) Dimensions(M)	Remarks
7	10	11	14
SEE AD2.24 AD chart	2120×300	190 × (MNM:160 MAX:300)*	RWY Grooving : 2000m×30m
	2120×300	90 × (MNM:90 MAX:300)* *For detail, ask airport administrator	

RJOW AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
11	2000	2000	2000	2000	Nil
29	2000	2000	2000	2000	Nil

RJOW AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
11	PALS (CAT I) 900m LIH	Green Green	PAPI 3.0°/Left 402.2m 61ft	900m	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
29	SALS (*1) 420m LIH	Green -	PAPI 3.0°/Left 362.0m 61ft	-	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)

Remarks
10
SALS with APCH LGT beacon (585m and 852m FM RWY 29 THR) (*1) Overrun area edge LGT(LEN:60m Color:Red)(*2) CGL for RWY 29

RJOW AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *344049N/1314751E*, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI : Nil Anemometer : RWY 11 : 349m FM RWY 11 THR, LGTD RWY 29 : 328m FM RWY 29 THR, LGTD
3	TWY edge and center line lighting	TWY edge and center line lights installed, see AD 2.9
4	Secondary power supply / switch-over time	Within 1sec : REDL, RTHL, RENL, WBAR, RCLL, Overrun area edge LGT, Turning point indicator LGT Within 15sec : Other LGT
5	Remarks	WDI LGT

RJOW AD 2.16 HELICOPTER LANDING AREA

Nil

RJOW AD 2.17 ATS AIRSPACE

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Iwami Information Zone	Area within a radius of 5nm(9km)of Iwami ARP	3,000	E	Iwami Radio En	

RJOW AD 2.18 ATS COMMUNICATION FACILITIES

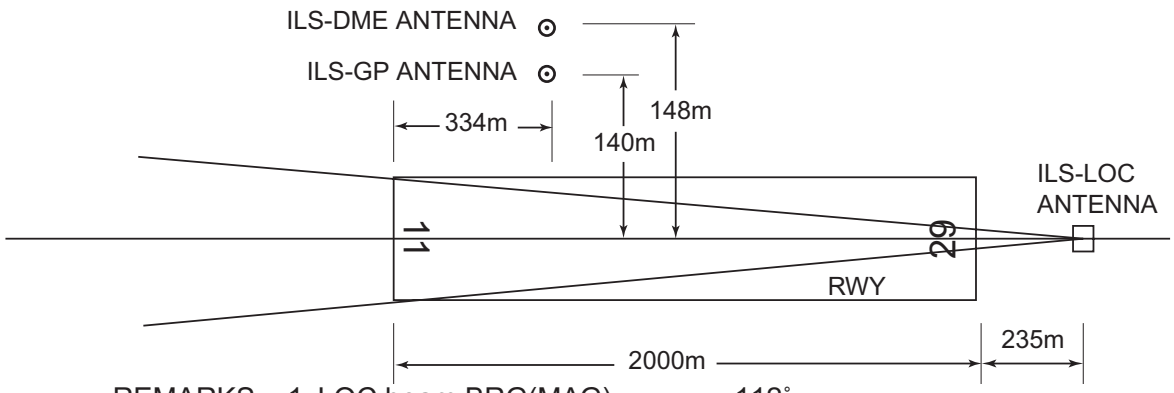
Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	Iwami Radio	122.2MHz	2300 - 1030	Operated by Osaka Airport Office.

RJOW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

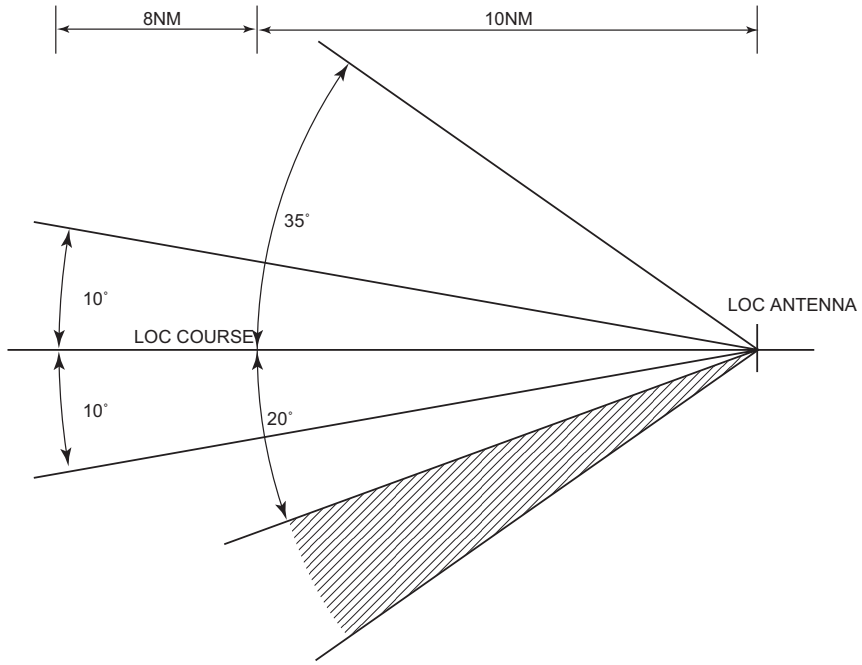
Type of aid (VOR declina-tion)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (8°W/ 2021)	IME	115.05MHz	2300-1030	*344034.48N 1314647.57E*		VOR Unusable : 230°-250° beyond 20nm BLW 4000ft.
DME	IME	1058 MHz (CH-97Y)	2300-1030	*344034.48N 1314647.57E*	231ft	DME Unusable : 210°-220° beyond 20nm BLW 6000ft. 230°-250° beyond 20nm BLW 4000ft.
ILS-LOC 11	IWA	108.1MHz	2300-1030	*344024.80N 1314812.02E*		LOC : 235m away FM RWY 29 THR, BRG (MAG) 112° LOC unusable : beyond 20° south(150Hz) side of LOC course.
ILS-GP 11	-	334.7MHz	2300-1030	*344044.97N 1314700.91E*		GP : 334m (1096ft) inside FM RWY 11 THR, 140m (459ft) N of RCL. HGT of ILS Ref datum 16.5m (54ft) GP angle 3.0. GP unusable : beyond 5° north(90Hz) side of LOC course.
ILS-DME 11	IWA	979 MHz (CH-18X)	2300-1030	*344045.17N 1314701.26E*	194ft	DME : 334m (1096ft) inside FM RWY 11 THR, 148m (486ft) N of RCL.
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based.

ILS

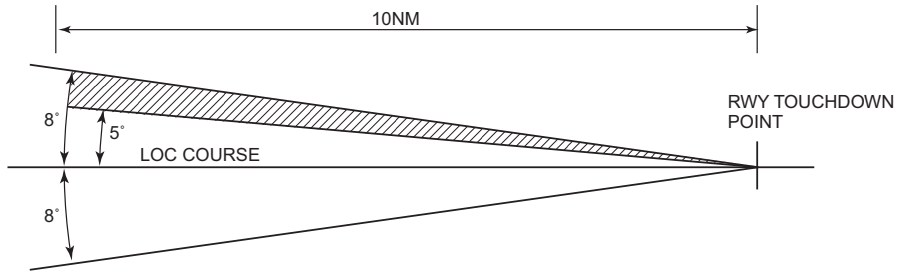
IWAMI AP



REMARKS : 1. LOC beam BRG(MAG) 112˚
2. GP angle 3.0˚
3. HGT of ILS REF datum 16.5m(54ft)
4. ELEV of ILS-DME 59.2m(194ft)



LOC unusable : Beyond 20˚ south (150Hz) side of LOC course.



GP unusable : Beyond 5˚ north (90Hz) side of LOC course.

RJOW AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

On use of Iwami airport, aircraft operator is required to notify Shimane Pref in advance.

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft(General aviation)

Nil

4. Parking area for helicopters

Nil

5. Apron - taxiing during winter conditions

Nil

6. Taxiing - limitations

Nil

7. School and training flights - technical test flights - use of runways

Nil

8. Helicopter traffic - limitation

Nil

9. Removal of disabled aircraft from runways

Nil

RJOW AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJOW AD 2.22 FLIGHT PROCEDURES

TAKE OFF MINIMA

	RWY	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAY ONLY)	
		RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP Filed	11	400m	400m	400m	400m	-	500m
	29	-	400m	-	400m	-	500m
OTHER	11	AVBL LDG MINIMA					
	29						

RJOW AD 2.23 ADDITIONAL INFORMATION

Ask AD administration

RJOW AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (SAMBA)
Standard Departure Chart - Instrument (RNAV TRANSITION)
Standard Departure Chart - Instrument (SEKISYU-RNAV)
Standard Arrival Chart - Instrument (SAMBA-RNAV)
Instrument Approach Chart (ILS or LOC RWY11)
Instrument Approach Chart (VOR RWY11)
Instrument Approach Chart (VOR A)
Instrument Approach Chart (RNP RWY11(AR))
Instrument Approach Chart (RNP RWY29(AR))
Other Chart (Visual REP)
Other Chart(LDG CHART)
Other Chart(MVA CHART)

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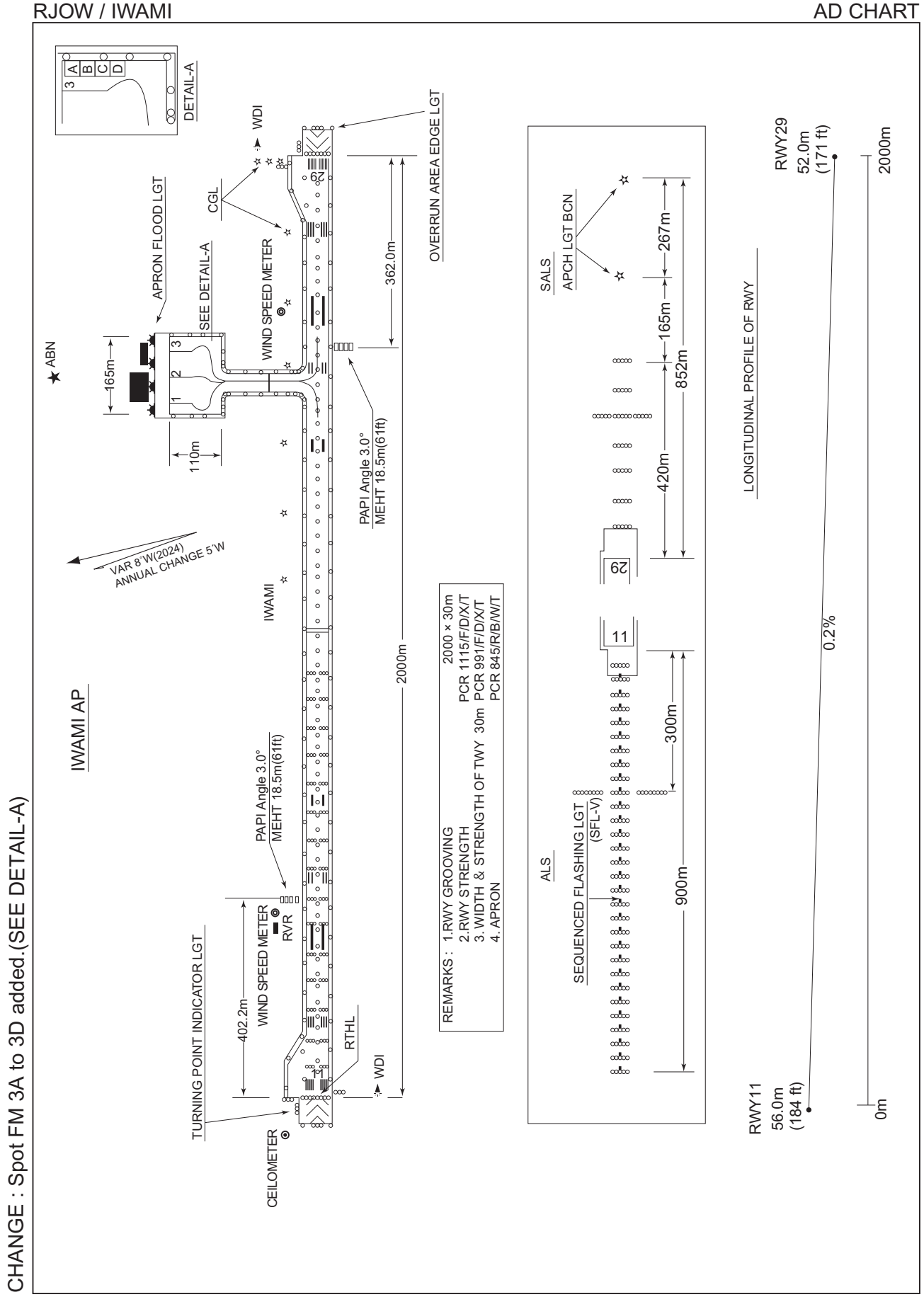
RJOW / IWAMI AD CHART



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI SID and TRANSITION

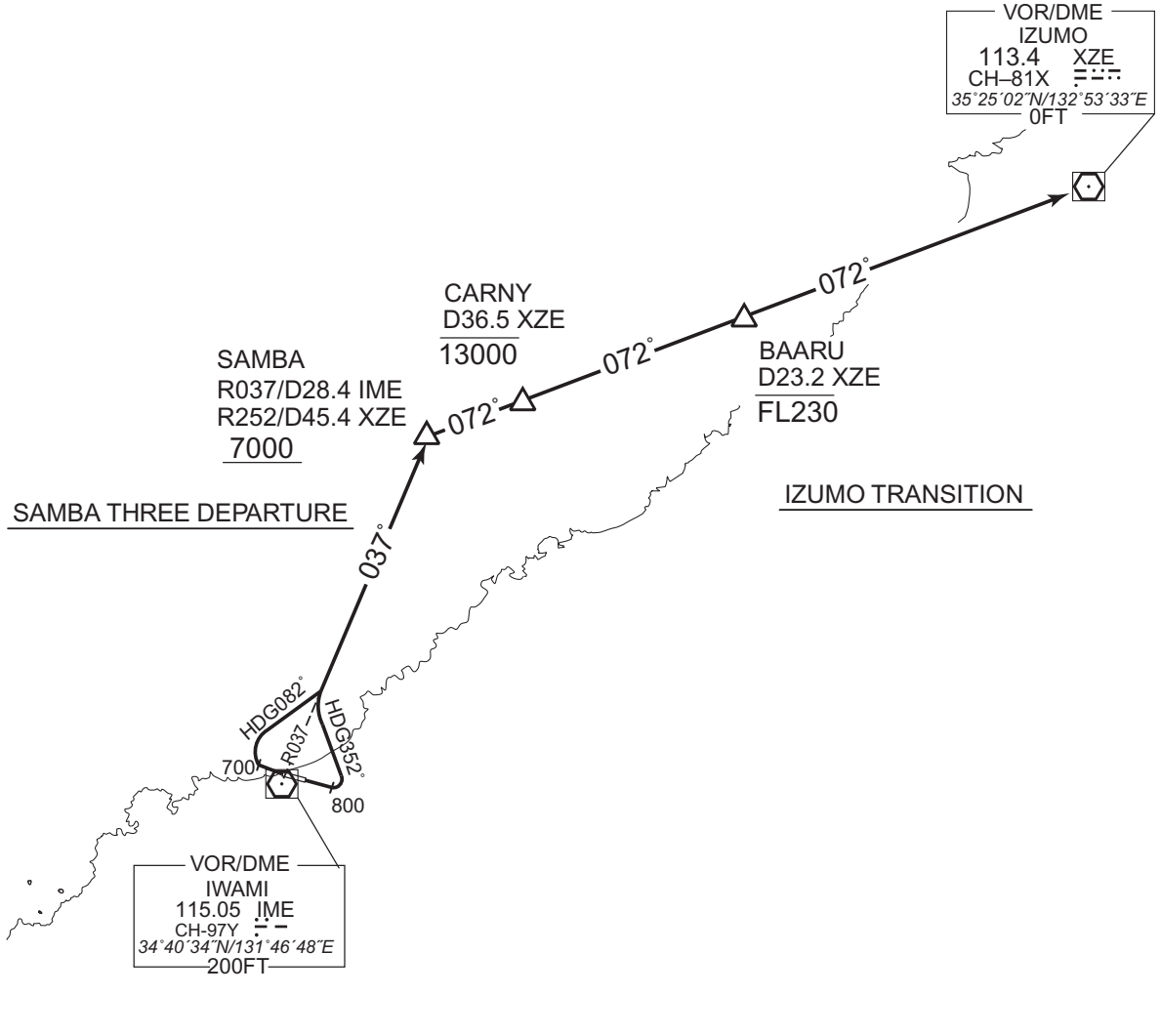
SAMBA THREE DEPARTURE

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 R252 to XZE VOR/DME.
Cross CARNY at or below 13000FT, cross BAARU at or below FL230.



CHANGE : PROC renamed(SAMBA THREE DEPARTURE). PROC course. Note RWY11(OBST).

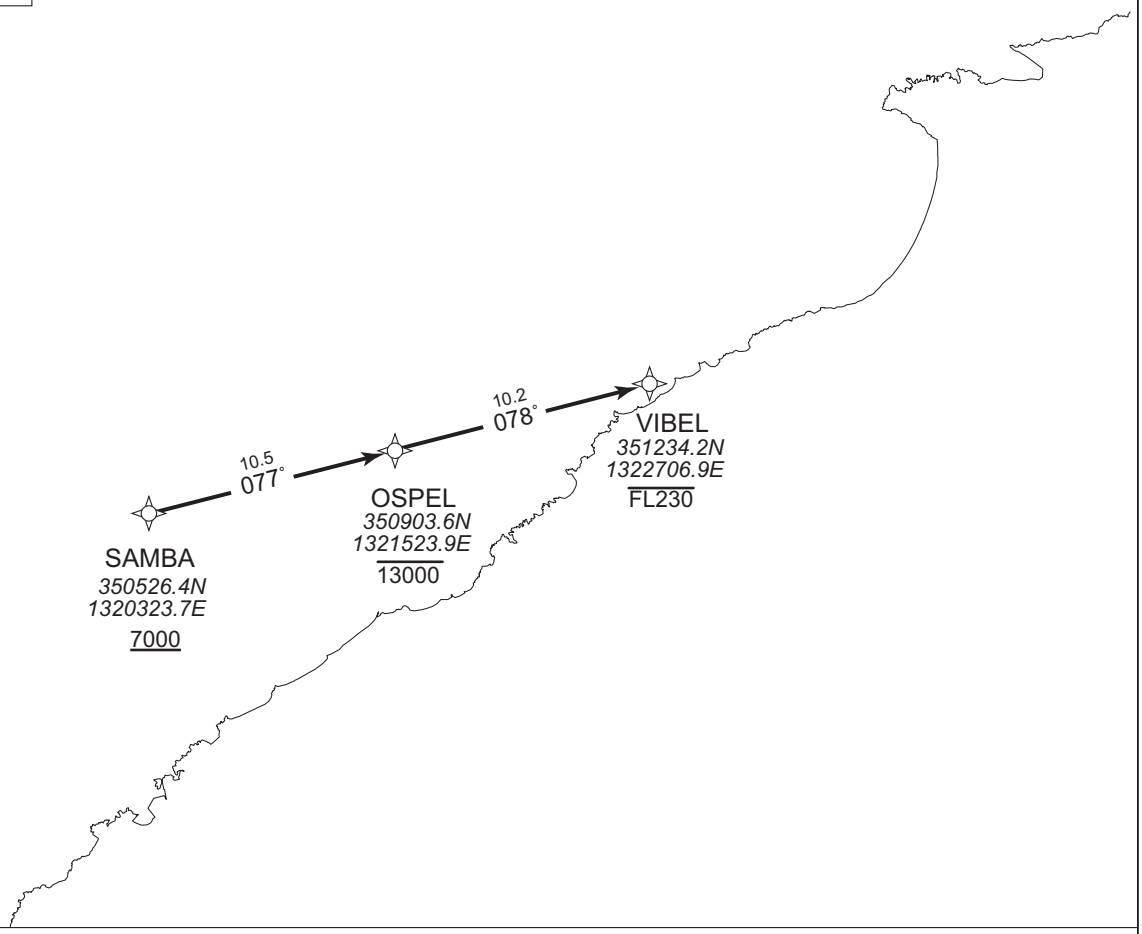
STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI — RNAV TRANSITION

VIBEL TRANSITION	RNAV1

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

VAR 8˚W



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

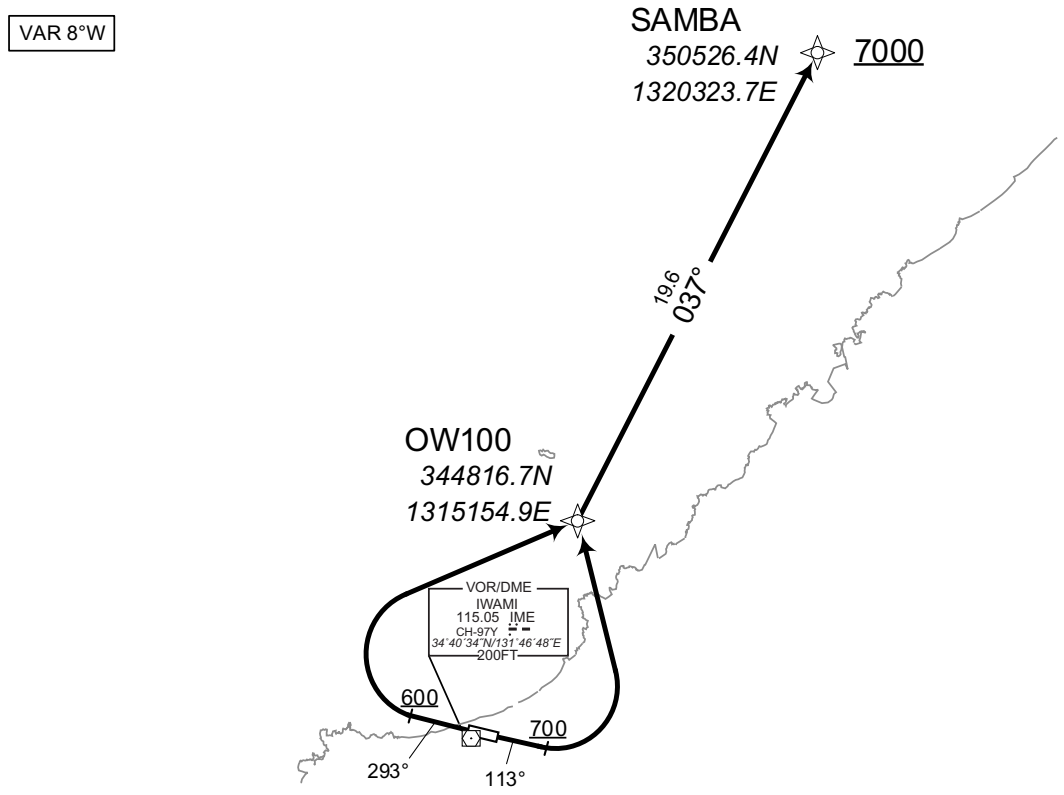
CHANGE : FIX symbol(SAMBA).

STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI — RNAV SID

SEKISYU ONE DEPARTURE	RNP1

Note GNSS required.



RWY11 : Climb on HDG113° at or above 700FT, turn left...
RWY29 : Climb on HDG293° at or above 600FT, turn right...
...direct to OW100, to SAMBA at or above 7000FT.

Note RWY11 : 7.0% climb gradient required up to 800FT.
OBST ALT 1182FT located at 4.8NM 094° FM end of RWY11.

RWY11

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	VA	-	-	113 (104.8)	-8.2	-	-	+700	-	-	RNP1
002	DF	OW100	-	-	-8.2	-	L	-	-	-	RNP1
003	TF	SAMBA	-	037 (028.7)	-8.2	19.6	-	+7000	-	-	RNP1

RWY29

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	VA	-	-	293 (284.9)	-8.2	-	-	+600	-	-	RNP1
002	DF	OW100	-	-	-8.2	-	R	-	-	-	RNP1
003	TF	SAMBA	-	037 (028.7)	-8.2	19.6	-	+7000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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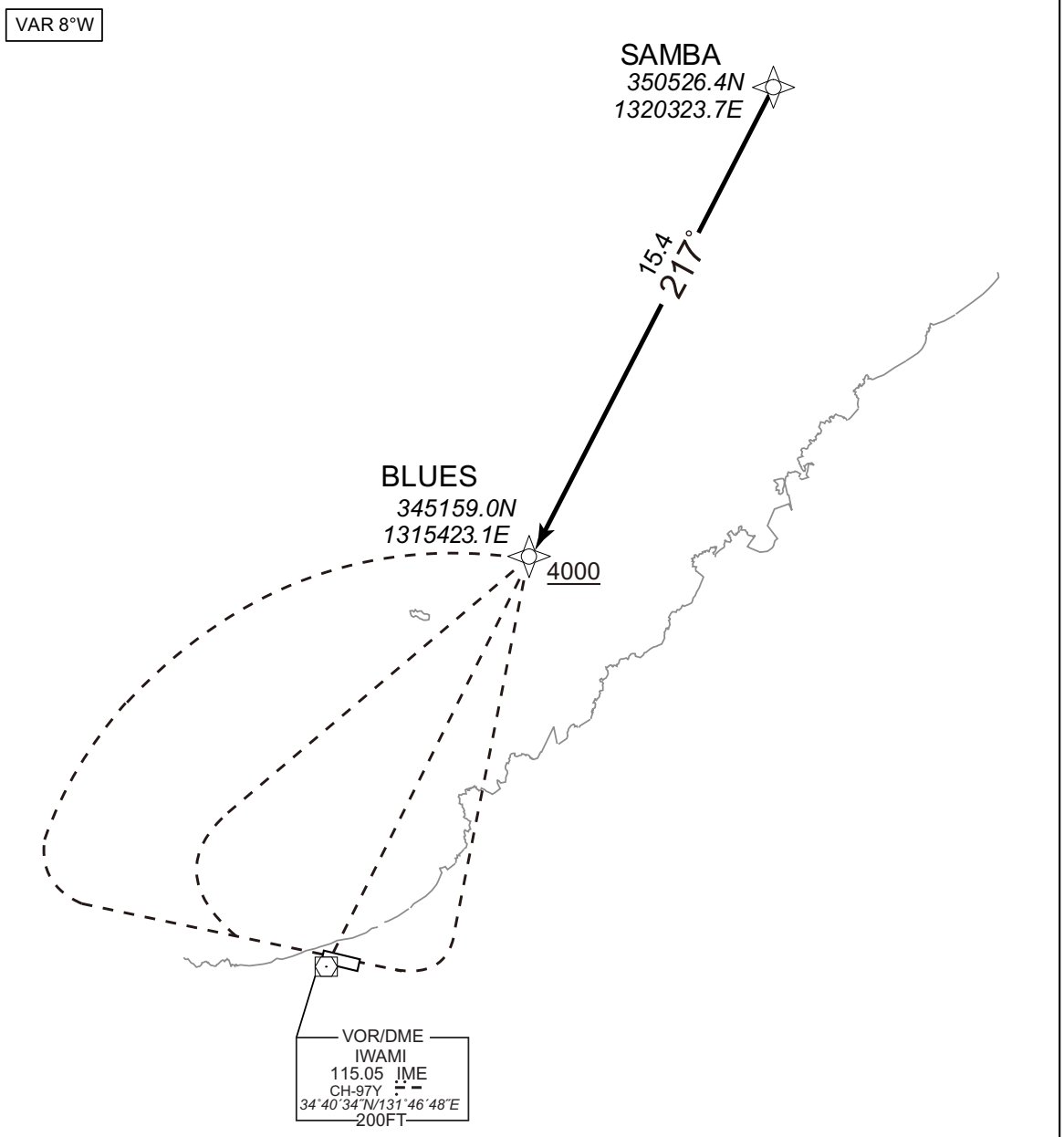
STANDARD ARRIVAL CHART-INSTRUMENT

RJOW / IWAMI RNAV STAR

SAMBA ARRIVAL	RNP1

Note GNSS required.



From SAMBA, to BLUES at or above 4000FT.

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	-	-	-8.2	-	-	-	-	-	RNP1
002	TF	BLUES	-	217 (208.8)	-8.2	15.4	-	+4000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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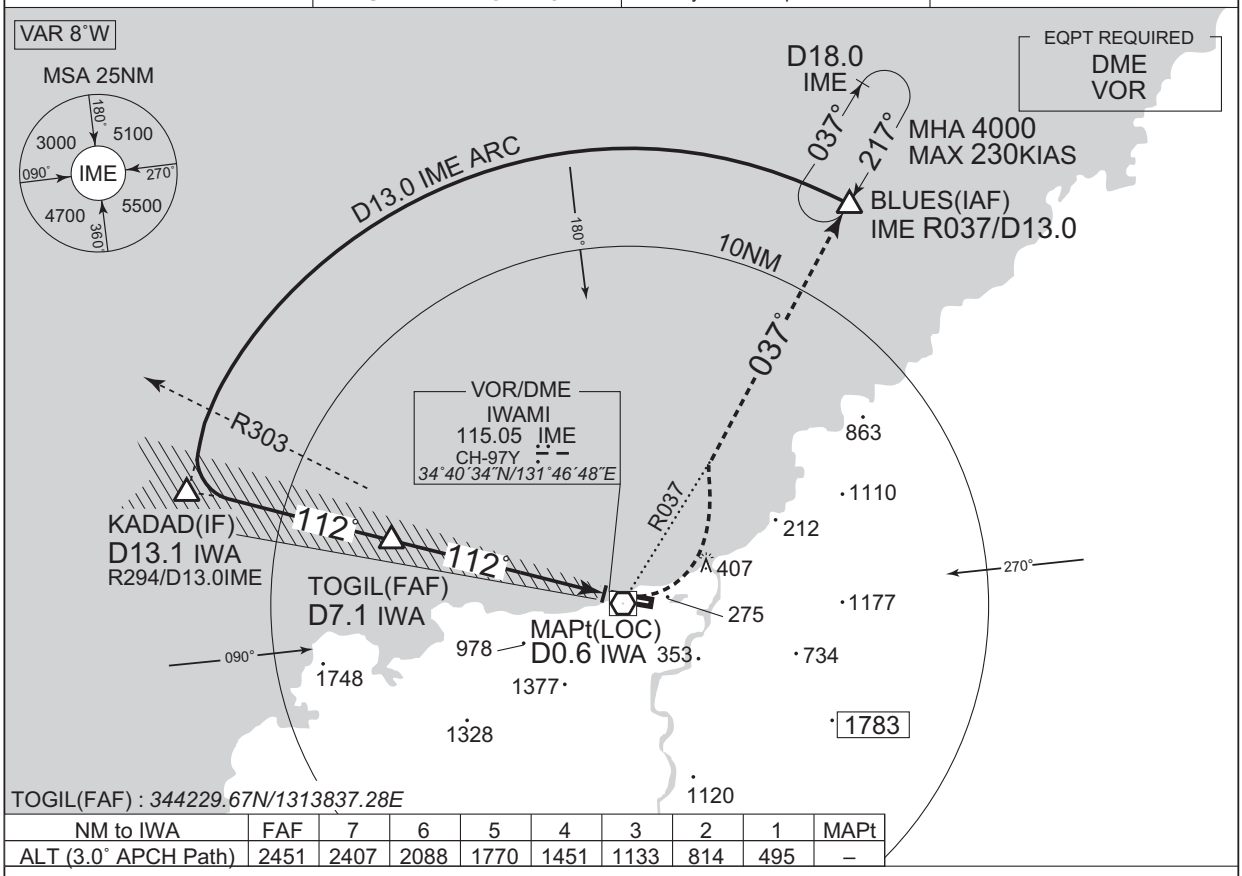
INSTRUMENT APPROACH CHART

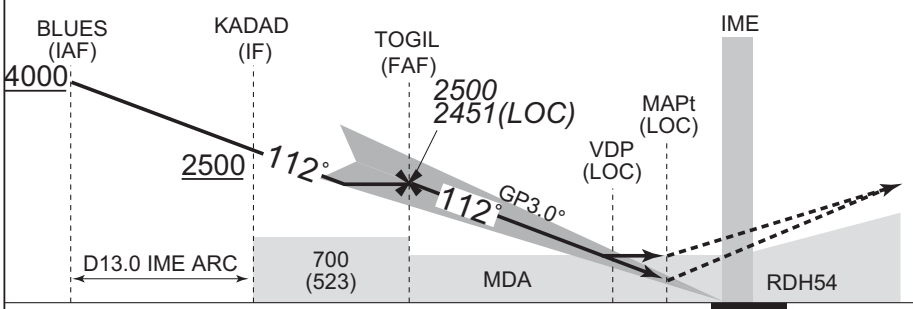
RJOW / IWAMI

ILS or LOC RWY11

KOBE CONTROL 132.5–246.1 134.25–315.5	ILS-LOC 108.1 IWA ILS–GP 334.7 ILS–DME CH–18X	IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office	NO RADAR



NM to IWA	FAF	7	6	5	4	3	2	1	MAPt
ALT (3.0˚ APCH Path)	2451	2407	2088	1770	1451	1133	814	495	–



MISSED APPROACH

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

Timing not authorized for defining the MAPt.

DME to IWA	13.1	7.1	1.2	0.6
NM to THR	13.0	7.0	1.0	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	530 (353)	900	1000 (823)	1600
B				1000	1100 (923)	
C					1400 (1223)	2400
D				1400	1600 (1423)	3200

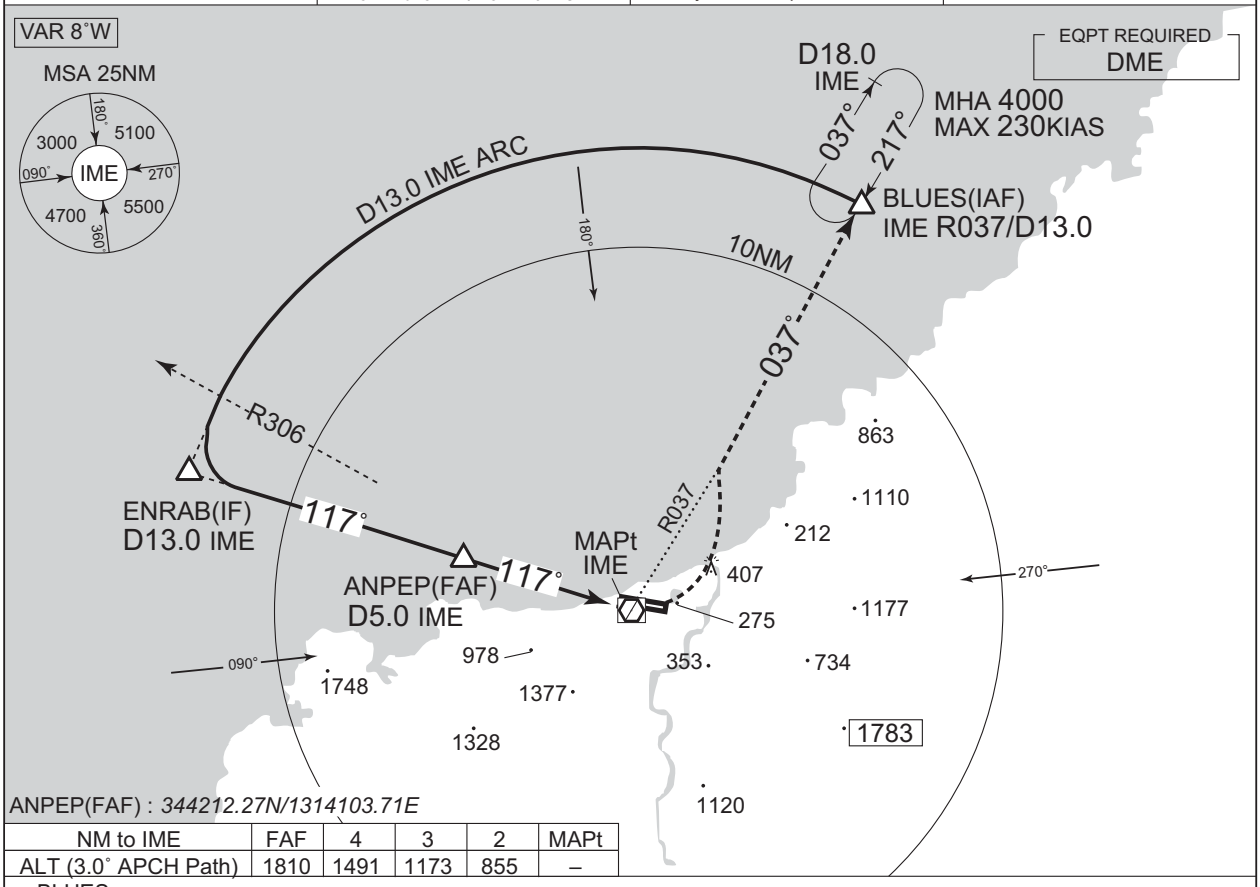
Circling to NORTH side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE: DME to IWA. NM to THR. MINIMA for LOC MDA(H).

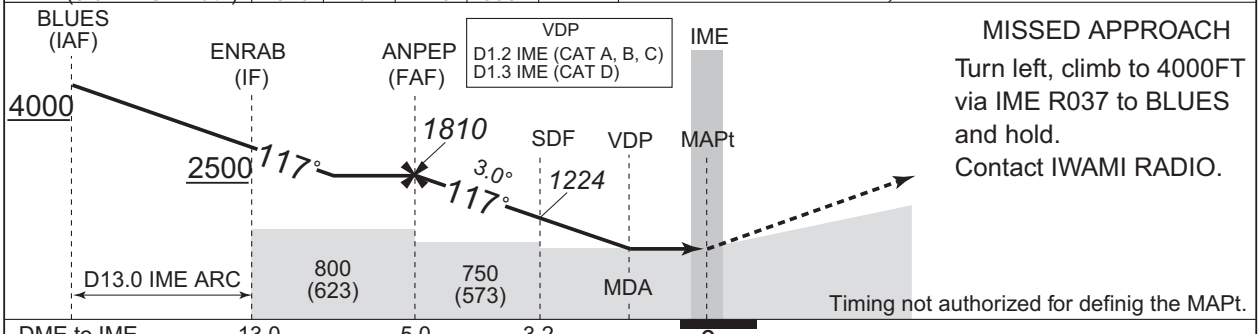
INSTRUMENT APPROACH CHART

RJOW / IWAMI — VOR RWY11

KOBE CONTROL	IWAMI VOR/DME	IWAMI RADIO	NO RADAR
132.5–246.1 134.25–315.5	115.05 IME CH–97Y *34˚40´34˝N/131˚46´48˝E*	122.2 AFIS provided by Osaka Airport Office	



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 R037 to BLUES and hold.
Contact IWAMI RADIO.

Timing not authorized for definig 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)	2400
D	610 (433)	1400	1600 (1423)	3200

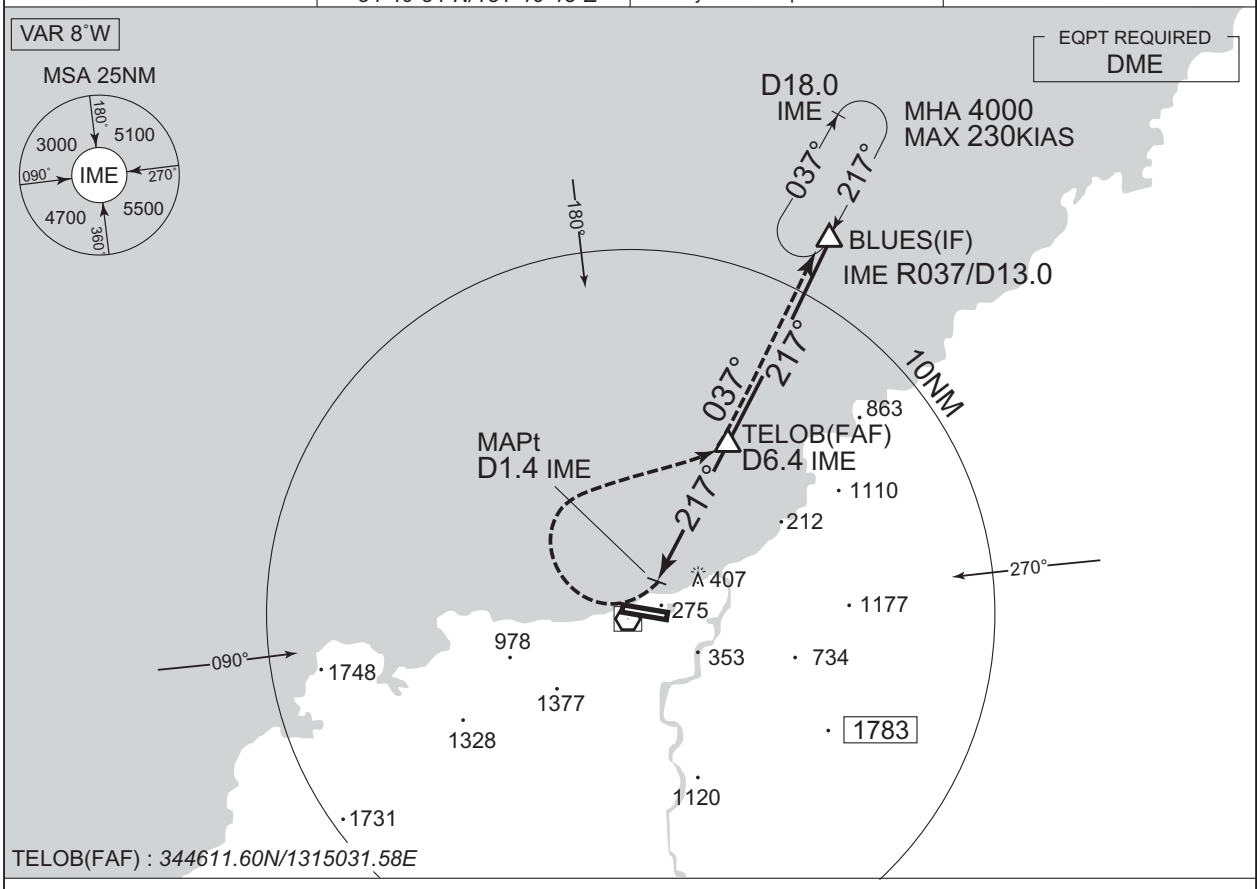
Circling to NORTH side of RWY only

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

INSTRUMENT APPROACH CHART

RJOW / IWAMI VOR A

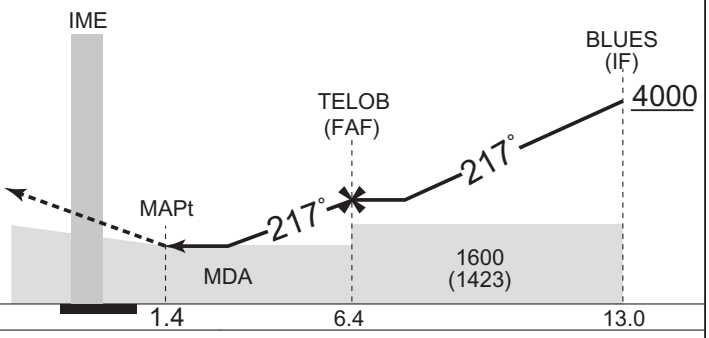
KOBE CONTROL	IWAMI VOR/DME	IWAMI RADIO	NO RADAR
132.5 - 246.1 134.25 - 315.5	115.05 IME CH-97Y *34˚40´34˝N/131˚46´48˝E*	122.2 AFIS provided by Osaka Airport Office	



MISSED APPROACH

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

Timing not authorized for definig the MAPt.



MINIMA		AD elev. 177
CAT	CIRCLING	
	MDA(H)	VIS
A	1000 (823)	1600
B	1100 (923)	
C	1400 (1223)	2400
D	1600 (1423)	3200

Circling to NORTH side of RWY only

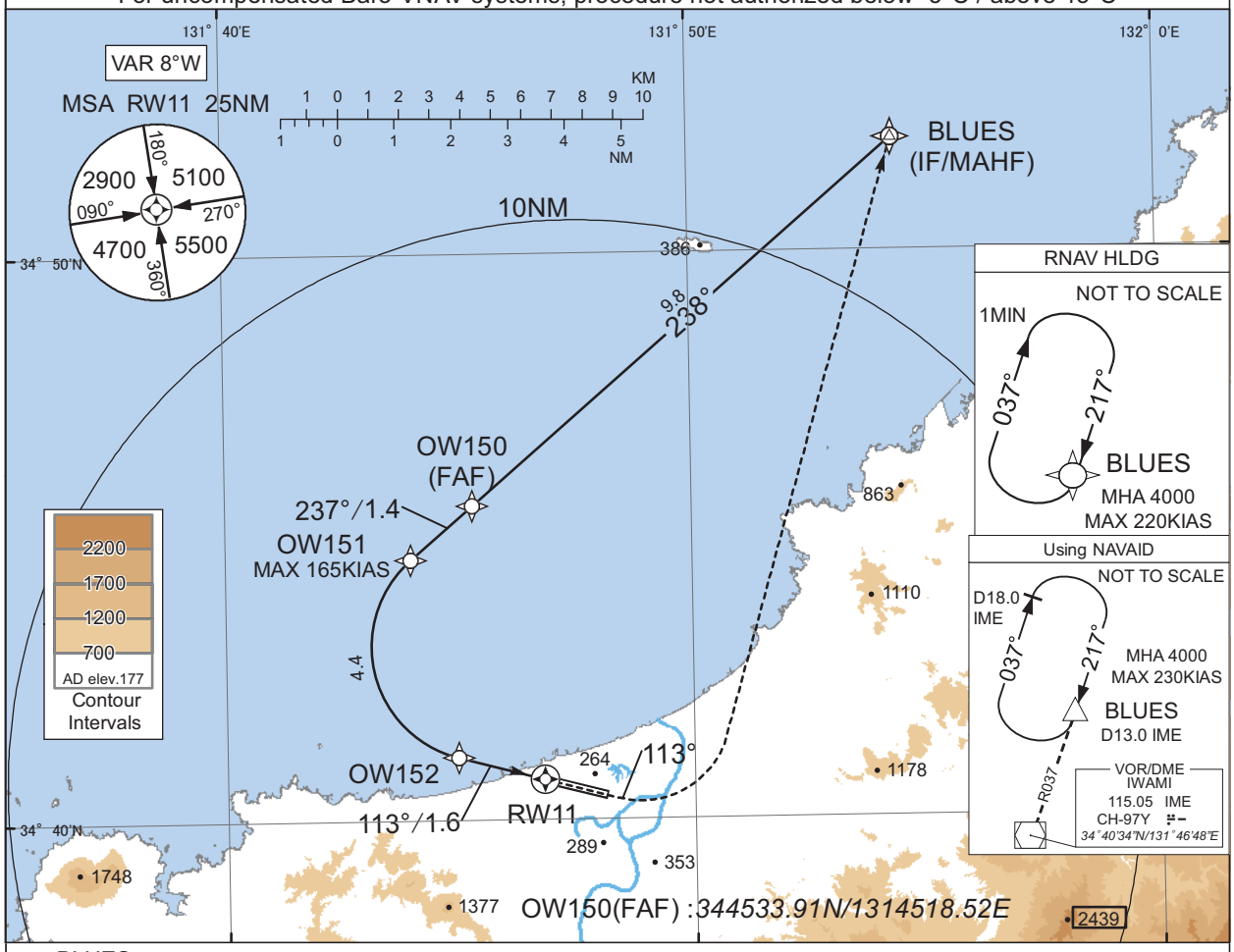
CHANGE: VAR. PROC course. TELOB established. Missed APCH course. HLDG course. MSA(BTN 270° and 360°).

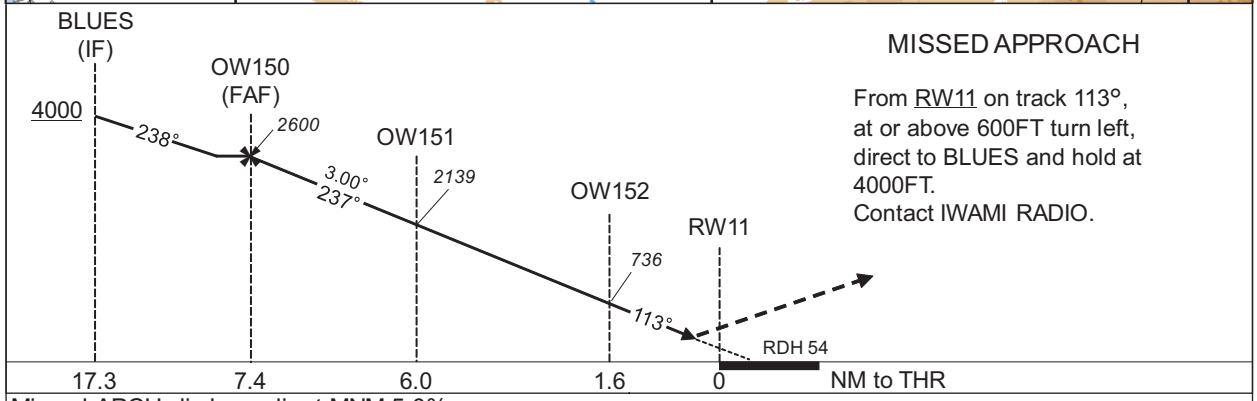
INSTRUMENT APPROACH CHART

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

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	-	-

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

Authorization Required

CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

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

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

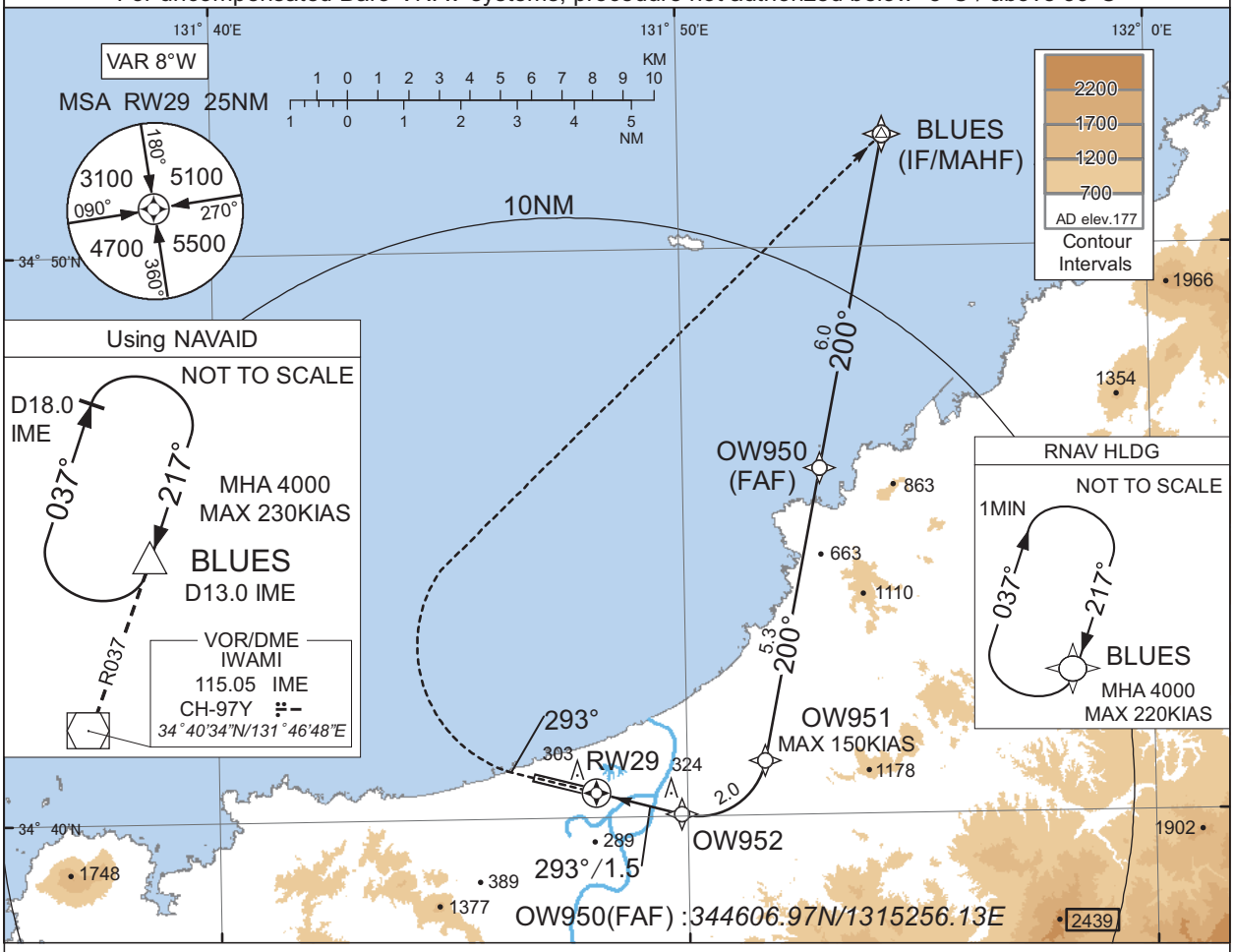
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BLUES	*345159.02N / 1315423.09E*	OWRF1	*344304.90N / 1314534.53E*
OW150	*344533.91N / 1314518.52E*		
OW151	*344437.18N / 1314358.51E*		
OW152	*344107.26N / 1314456.99E*		
RW11	*344043.28N / 1314647.11E*		

INSTRUMENT APPROACH CHART

RJOW / IWAMI — RNP RWY29(AR)

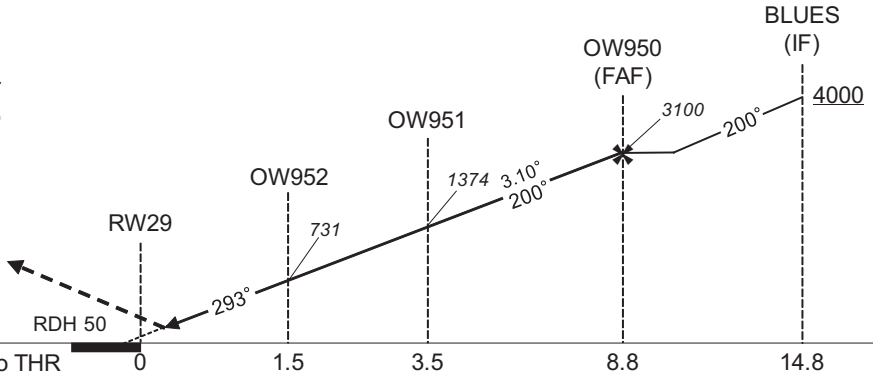
KOBE CONTROL 132.5 - 246.1 134.25 - 315.5	RNP AR RF required.	IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office	NO RADAR

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



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.

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.

Authorization Required

CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJOW / IWAMI RNP RWY29(AR)

CHANGE : VAR. PROC course. RNAV HLDG established.

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*		

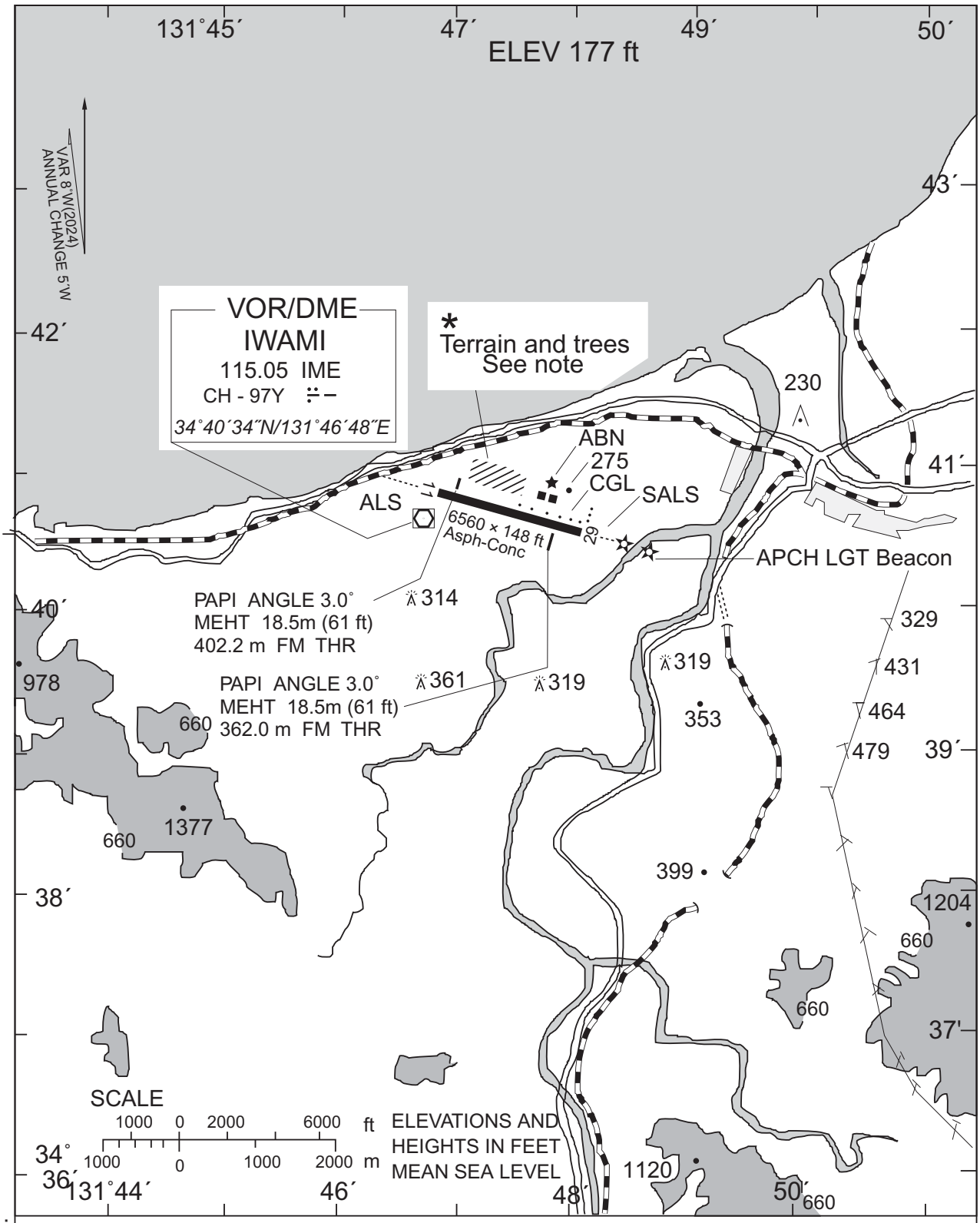
RJOW / IWAMI Visual REP

※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 LDG CHART



CHANGE : VAR.

*Note : RWY may be invisible on downwind leg of northside traffic pattern according to altitude.

RJOW / IWAMI Minimum Vectoring Altitude CHART