AD 2 AERODROMES

RJOC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJOC - IZUMO

RJOC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*352449N/1325324E* 059° / 1km from RWY 07 THR
2	Direction and distance from (city)	13.7km ENE of JR IZUMO STATION
3	Elevation/ Reference temperature	6ft / 33° C(2002-2006)
4	Geoid undulation at AD ELEV PSN	113ft
5	MAG VAR/ Annual change	7°W (2006) / 1.0' W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Shimane Pref. Public AP. IZUMO airport administration office 2633-1, Okisu, Hikawa-cho, Izumo-city, Shimane, 699-0551 JAPAN Tel: 0853-72-0224 Fax: 0853-72-9732 AFS: Nil E-mail: izumokukokanri@pref.shimane.lg.jp Web: http://www.pref.shimane.jp
7	Types of traffic permitted(IFR/VFR)	IFR / VFR
8	Remarks	IZUMO Airport Branch(CAB) 2636-1, Okisu, Hikawa-cho, Izumo-city, Shimane, 699-0551 JAPAN Tel: 0853-72-0129 Fax: 0853-72-2118 AFS: Nil

RJOC AD 2.3 OPERATIONAL HOURS

1	AD Administration	2230 - 1130
2	Customs and immigration	On request Customs: 0859-42-2228 Immigration: 0852-21-3834
3	Health and sanitation	On request Quarantine(human): 0859-42-3517 Quarantine(animal): 0859-45-3800 Quarantine(plant): 0859-42-2513
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (KANSAI)
7	ATS	2230 - 1130
8	Fuelling	2230 - 1030
9	Handling	2130 - 1200
10	Security	2230 - 1130
11	De-icing	2230 - 1130
12	Remarks	Nil

RJOC AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	All the modern institutions that deal with the aircraft to Airbus A300
2	Fuel/ oil types	Fuel grades : JetA1·Avgas100 Oil grades : Nil
3	Fuelling facilities/ capacity	Fuel truck refueling / No limitations
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

RJOC AD 2.5 PASSENGER FACILITIES

1	Hotels	In Izumo-city
2	Restaurants	At Airport
3	Transportation	Busses and Taxis
4	Medical facilities	Hospital in Izumo-city 12km
5	Bank and Post Office	At Airport
6	Tourist Office	Nil
7	Remarks	Nil

RJOC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 8
2	Rescue equipment	Chemical fire fighting truck × 3 Emergency Medical equipments Conveyance truck × 1
3	Capability for removal of disabled aircraft	Ask AD Administration
4	Remarks	Nil

RJOC AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Snow plow x 3, Snow sweeper x 3, Snow grader x 4, Tractor shovel x 2
2	Clearance priorities	(1) RWY 07/25 (2) TWY, APRON
3	Remarks	TWY/APN to measure the coefficient of friction : Nil

RJOC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Apron : Surface: cement-concrete, Spot 1 Strength: PCN 35/F/C/X/T Spot 2-5 Strength : PCN 53/R/C/X/T Spot 6-10 Strength : AUW 11000kg
2	Taxiway width, surface and strength	TWY T1 Width : 30m, Surface: Asphalt-concrete, Strength: PCN 58/F/C/X/T TWY T2 Width : 30m, Surface: Asphalt-concrete, Strength: PCN 48/F/B/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not Available
5	INS checkpoints	Spot NR 1 : *352449.28N 1325308.83E* 2 : *352451.39N 1325309.61E* 3 : *352452.38N 1325311.64E* 4W: *352453.16N 1325313.66E* 4 : *352453.39N 1325313.71E* 5 : *352454.17N 1325314.81E*
6	Remarks	Nil

RJOC 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: RWY 07/25 (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe, RWY turn pad edge, RWY turn pad CL (LGT) RCLL, REDL, RTHL, RENL, Turning point indicator LGT, RWY DIST marker LGT TWY: All TWY (MARKING) TWY CL, RWY HLDG PSN, TWY side stripe (LGT) TWY edge LGT, TWY CL LGT, Taxiing guidance sign
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area, APN TWY CL, ACFT PRKG PSN (LGT) APN flood LGT

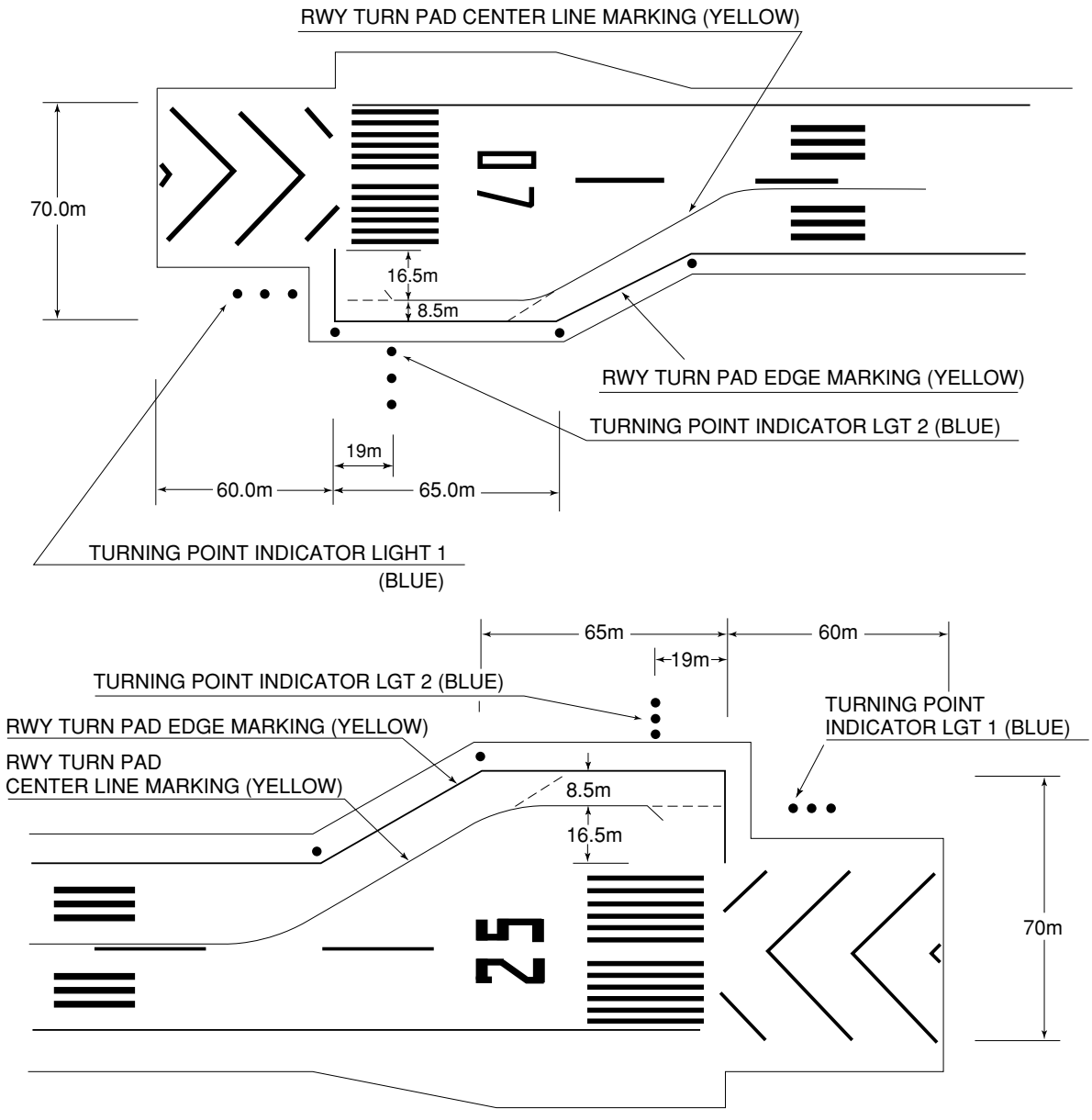
RJOC / IZUMO 180˚turn on RWY

A-300型機用の滑走路180˚転回要領

1. 滑走路中心線からターニングパッド中心線標識に従って進行する。
2. 転回灯1が一直線に見えるように進行し,転回灯2が一直線に見えた時転回を開始する。
   転回時はMAX STEERING ANGLEを使用する。

180˚turn on runway of A-300 aircraft

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



RJOC AD 2.10 AERODROME OBSTACLES

In Area 2 See Obstacle data

In Area 3 To be developed

RJOC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

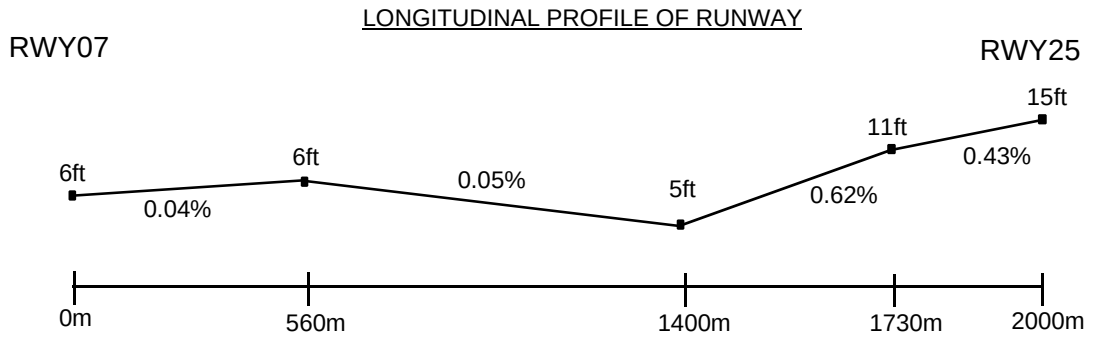
1	Associated MET Office	KANSAI
2	Hours of service MET Office outside hours	H24 (KANSAI)
3	Office responsible for TAF preparation Periods of validity	KANSAI 30 Hours
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at KANSAI
6	Flight documentation 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

RJOC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) 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
07	To be issued later	2000×45	PCN 58/F/C/X/T Asphalt-Concrete	*352432.83N 1325249.80E*	THR ELEV: 6ft TDZ ELEV: 6ft
25		2000×45	PCN 58/F/C/X/T Asphalt-Concrete	*352505.82N 1325358.07E*	THR ELEV: 15ft

Slope of RWY	Strip Dimensions(M)	RESA (Overrun) Dimensions(M)	Remarks
7	10	11	14
See below figure	2120×150	40 × (MNM:146 MAX:150)*	RWY Grooving: 2000m × 30m
See below figure	2120×150	200 × (MNM:141 MAX:150)* *For detail, ask airport administrator	RWY Grooving: 2000m × 30m

Slope of RWY



RJOC AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
07	2000	2000	2000	2000	Nil
25	2000	2000	2000	2000	Nil

RJOC 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
07	-	Green -	PAPI 3.0°/Left 369.8m 61ft	-	2,000m 30m Coded color (White/Red) LIH	2,000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
25	SALS (*1) 420m LIH	Green -	PAPI 3.0°/Left 422.7m 61ft	-	2,000m 30m Coded color (White/Red) LIH	2,000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
Remarks								
10								
SALS with RAI(LEN:480m)(*1) Overrun area edge LGT(LEN:60m Color:Red)(*2) CGL for RWY 07 RWY THR ID LGT for RWY 07 THR(Color:White)								

RJOC AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *352449N/1325302E*,White/Green EV4.3sec,HO
2	LDI location and LGT Anemometer location and LGT	Nil Aemometer : AVBL
3	TWY edge and center line lighting	TWY edge and center line lights installed, see AD2.9
4	Secondary power supply/ switch-over time	Within 15 Sec: All Lights
5	Remarks	WDI LGT

RJOC AD 2.16 HELICOPTER LANDING AREA

Nil

RJOC AD 2.17 ATS AIRSPACE

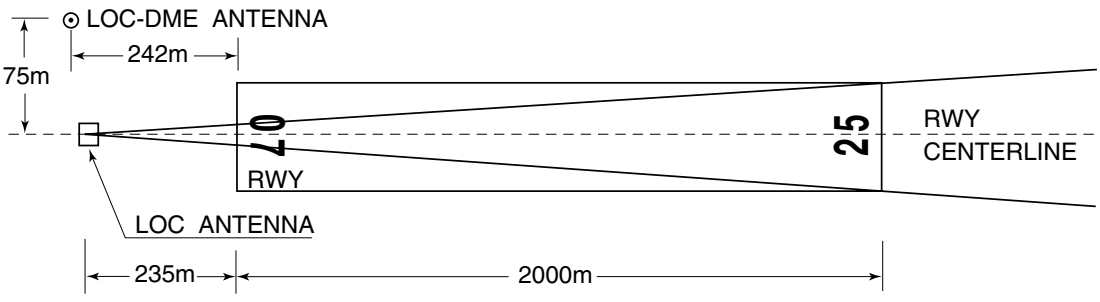
Designation and lateral limits		Vertial limits (ft)	Airspace classificaion	ATS unit call sign Language	Remarks
1		2	3	4	6
IZUMO Information zone	Area within a radius of 5nm(9km) of IZUMO ARP(*3525N/13253E*)	3000 or below	E	IZUMO RADIO En	

RJOC AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	IZUMO RADIO	122.7MHz(1) 126.2MHz	2230-1130	(1)Primary

RJOC AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	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/2010)	XZE	113.4MHz	H24	*352502.06N* *1325332.54E*		
DME	XZE	1168MHz (CH-81X)	H24	*352502.06N* *1325332.54E*	43ft	
LOC 25	IXZ	111.7MHz	2230-1130	*352428.95N* *1325241.79E*		LOC:235m(771ft) away FM RWY 07 THR, BRG(MAG) 247°
LOC-DME 25	IXZ	1015MHz	2230-1130	*352431.10N* *1325239.91E*	18ft	DME:242m(794ft) away FM RWY 07 THR, 75m(246ft) NW of RCL
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based



REMARKS : 1. LOC beam BRG(MAG) 247˚
2. ELEV of LOC-DME 5.4m(18ft)

RJOC AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

On use of IZUMO 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

RJOC AD 2.21 NOISE ABATEMENT PROCEDURES

Ask AD administration

RJOC AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	07	A,B,C,D	-	0'-400m	-	0'-400m	-	0'-500m
	25	A,B,C,D	-	200'-800m	-	200'-800m	-	200'-800m
OTHER	07	A,B,C,D	AVBL LDG MINIMA					
	25	A,B,C,D						

2. Lost communication procedures for arrival aircraft under radar navigational guidance

If radio communications with MIHO Radar are lost for 1 minute, squawk Mode A/3 Code 7600 and;

(I) 1. Contact MIHO Tower.

2. If unable, proceed in accordance with visual flight rules.

3. If unable, proceed to XZE VOR/DME at last assigned altitude or 3,000FT whichever is higher, and execute instrument approach.

(II) Procedures other than above will be issued when situation required.

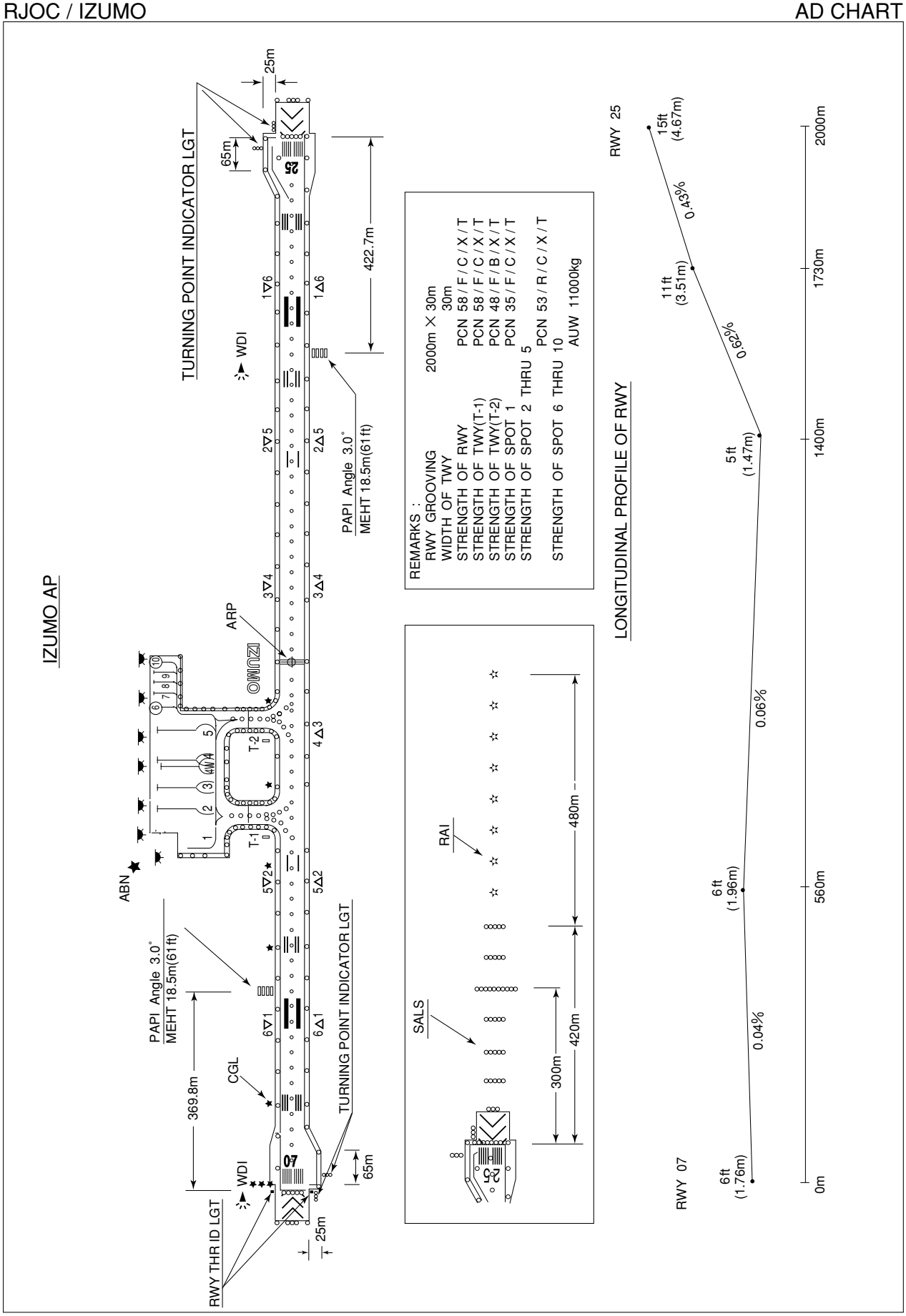
RJOC AD 2.23 ADDITIONAL INFORMATION

Ask AD administration

RJOC AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart-Instrument (DOZEN)
Standard Departure Chart-Instrument (IZUMO)
Standard Departure Chart-Instrument (MATSUE, TAKHI, SAIGO, KYOKA - RNAV)
Standard Arrival Chart-Instrument (SUSAR-RNAV)
Standard Arrival Chart-Instrument (OKUNI-RNAV)
Standard Arrival Chart-Instrument (NAKAU-RNAV)
Instrument Approach Chart (LOC Z RWY25)
Instrument Approach Chart (LOC Y RWY25)
Instrument Approach Chart (VOR RWY25)
Instrument Approach Chart (RNP RWY07)
Instrument Approach Chart (RNP RWY25)
Other Chart (Visual REP)
Other Chart (LDG CHART)
Other Chart (MVA CHART)

RJOC / IZUMO AD CHART



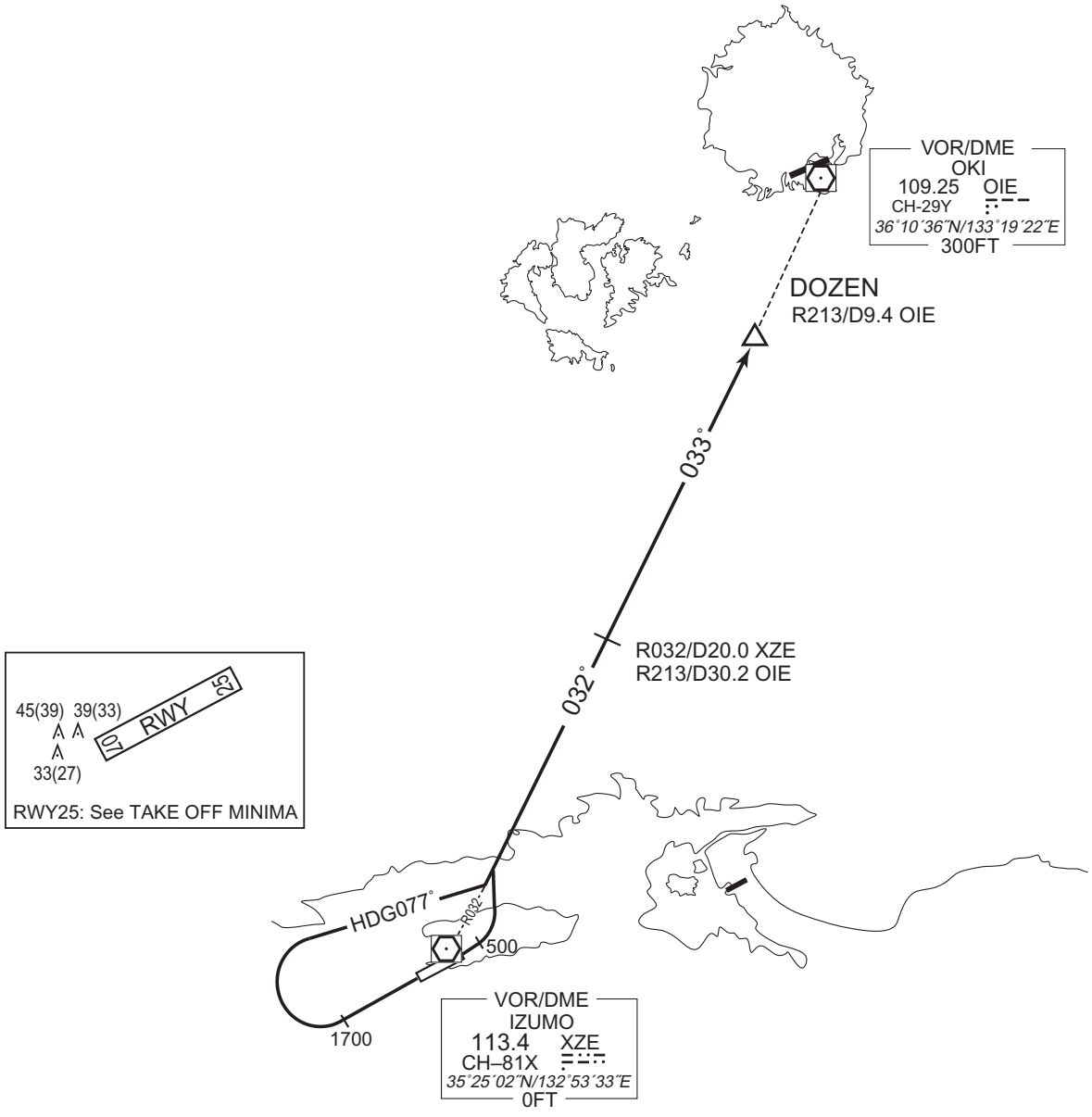
STANDARD DEPARTURE CHART -INSTRUMENT

RJOC / IZUMO SID

DOZEN FIVE DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn left ...
RWY25 : Climb RWY HDG to 1700FT, turn right HDG077˚...
... to intercept and proceed via XZE R032 to XZE 20.0DME(OIE 30.2DME), via OIE R213 to DOZEN.

Note RWY07: 4.6% climb gradient required up to 1300FT.
OBST ALT 1074FT located at 4.8NM 029˚ FM end of RWY07.
RWY25: 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 280˚ FM end of RWY25.



CHANGE : PROC renamed. Course FM XZE to DOZEN. PROC course. ALT restriction at DOZEN abolished.

STANDARD DEPARTURE CHART -INSTRUMENT

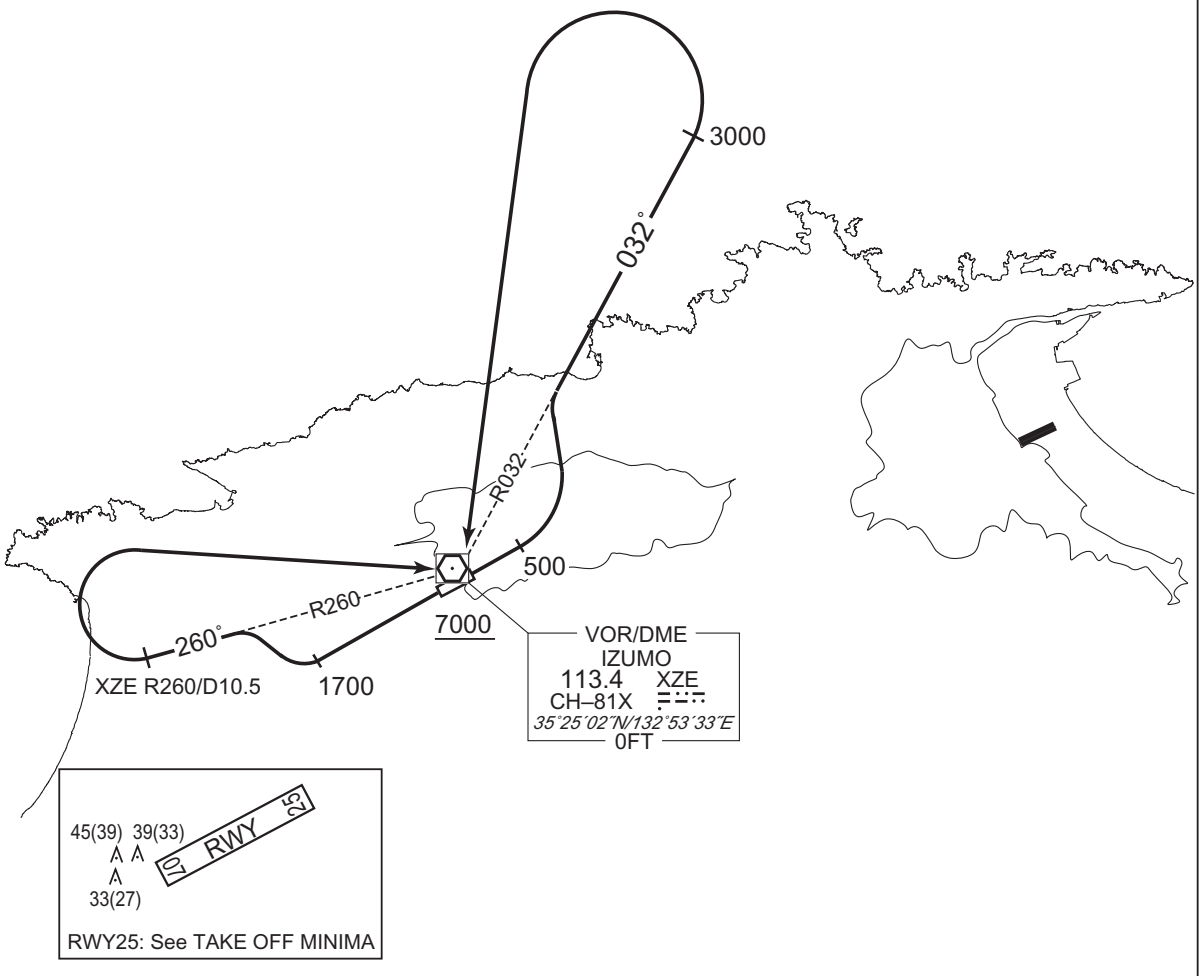
RJOC / IZUMO SID

IZUMO REVERSAL FOUR DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn left to intercept and proceed via XZE R032 to 3000FT, turn left direct to XZE VOR/DME.
Cross XZE VOR/DME at or above 7000FT.

RWY25 : Climb RWY HDG to 1700FT, turn right to intercept and proceed via XZE R260 to XZE 10.5DME, turn right direct to XZE VOR/DME.
Cross XZE VOR/DME at or above 7000FT.

Note RWY07: 4.6% climb gradient required up to 1300FT.
OBST ALT 1074FT located at 4.8NM 029˚ FM end of RWY07.
RWY25: 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 280˚ FM end of RWY25.



CHANGE : Note.

STANDARD DEPARTURE CHART - INSTRUMENT

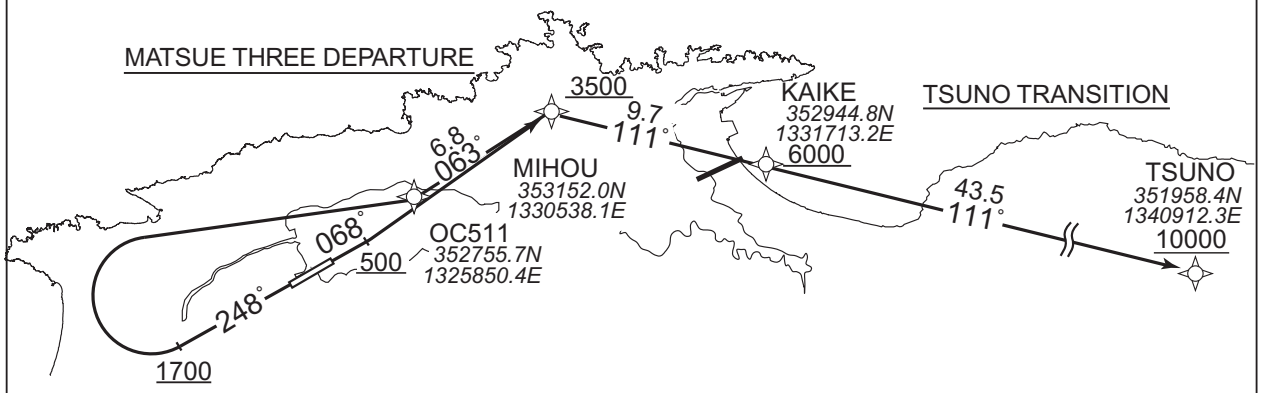
RJOC / IZUMO — RNAV SID and TRANSITION

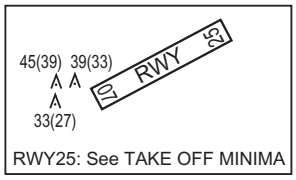
MATSUE THREE DEPARTURE
TSUNO TRANSITION

RNP1

Note GNSS required.

VAR 9˚W





MATSUE THREE DEPARTURE

RWY07 : Climb on HDG068˚ at or above 500FT, direct to MIHOU at or above 3500FT.
RWY25 : Climb on HDG248˚ at or above 1700FT, turn right direct to OC511,
to MIHOU at or above 3500FT.

NOTE RWY07 : 3.5% climb gradient required up to 1300FT.
OBST ALT 1739FT located at 10.9NM 059˚ FM end of RWY07.
RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 280˚ FM end of RWY25.

TSUNO TRANSITION

From MIHOU, to KAIKE at or above 6000FT, to TSUNO at or above 10000FT.

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO

RNAV SID and TRANSITION

MATSUE THREE DEPARTURE

RWY07

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	-	-	068 (059.3)	-8.6	-	-	+500	-	-	RNP1
002	DF	MIHOU	-	-	-8.6	-	-	+3500	-	-	RNP1

RWY25

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	-	-	248 (239.3)	-8.6	-	-	+1700	-	-	RNP1
002	DF	OC511	-	-	-8.6	-	R	-	-	-	RNP1
003	TF	MIHOU	-	063 (054.5)	-8.6	6.8	-	+3500	-	-	RNP1

TSUNO TRANSITION

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	MIHOU	-	-	-8.6	-	-	+3500	-	-	RNP1
002	TF	KAIKE	-	111 (102.6)	-8.6	9.7	-	+6000	-	-	RNP1
003	TF	TSUNO	-	111 (102.7)	-8.6	43.5	-	+10000	-	-	RNP1

CHANGE : PROC renamed. PROC course. VAR.

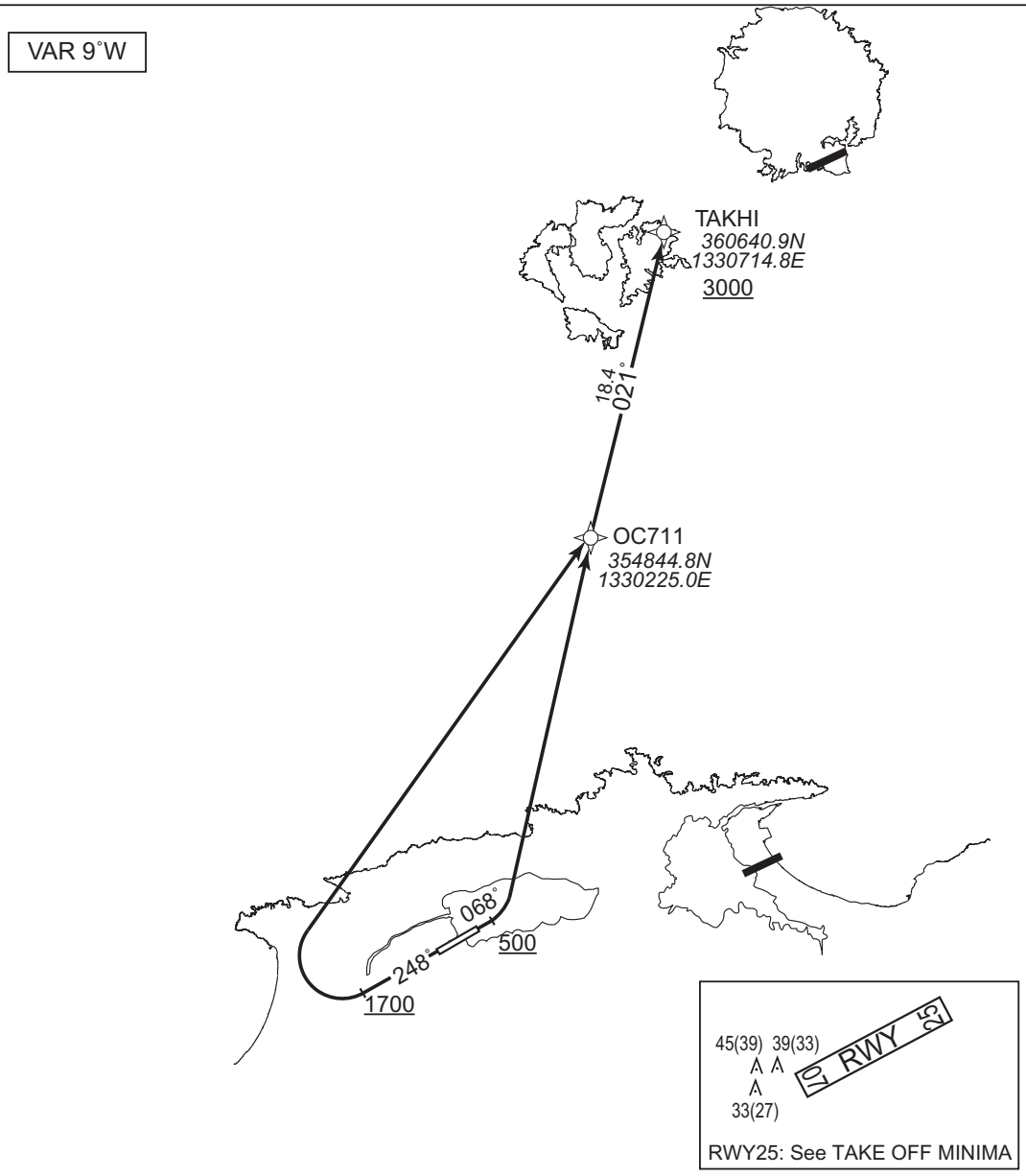
STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO

RNAV SID

TAKHI TWO DEPARTURE	RNP1

Note GNSS required.



RWY07 : Climb on HDG068˚ at or above 500FT, turn left direct to OC711,
to TAKHI at or above 3000FT.

RWY25 : Climb on HDG248˚ at or above 1700FT, turn right direct to OC711,
to TAKHI at or above 3000FT.

NOTE RWY07 : 4.6% climb gradient required up to 1300FT.
OBST ALT 1074FT located at 4.8NM 029˚ FM end of RWY07.

RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 280˚ FM end of RWY25.

CHANGE : PROC renamed. PROC course. VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID

TAKHI TWO DEPARTURE

RWY07

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	-	-	068 (059.3)	-8.6	-	-	+500	-	-	RNP1
002	DF	OC711	-	-	-8.6	-	L	-	-	-	RNP1
003	TF	TAKHI	-	021 (012.3)	-8.6	18.4	-	+3000	-	-	RNP1

RWY25

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	-	-	248 (239.3)	-8.6	-	-	+1700	-	-	RNP1
002	DF	OC711	-	-	-8.6	-	R	-	-	-	RNP1
003	TF	TAKHI	-	021 (012.3)	-8.6	18.4	-	+3000	-	-	RNP1

CHANGE : PROC renamed. PROC course. VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

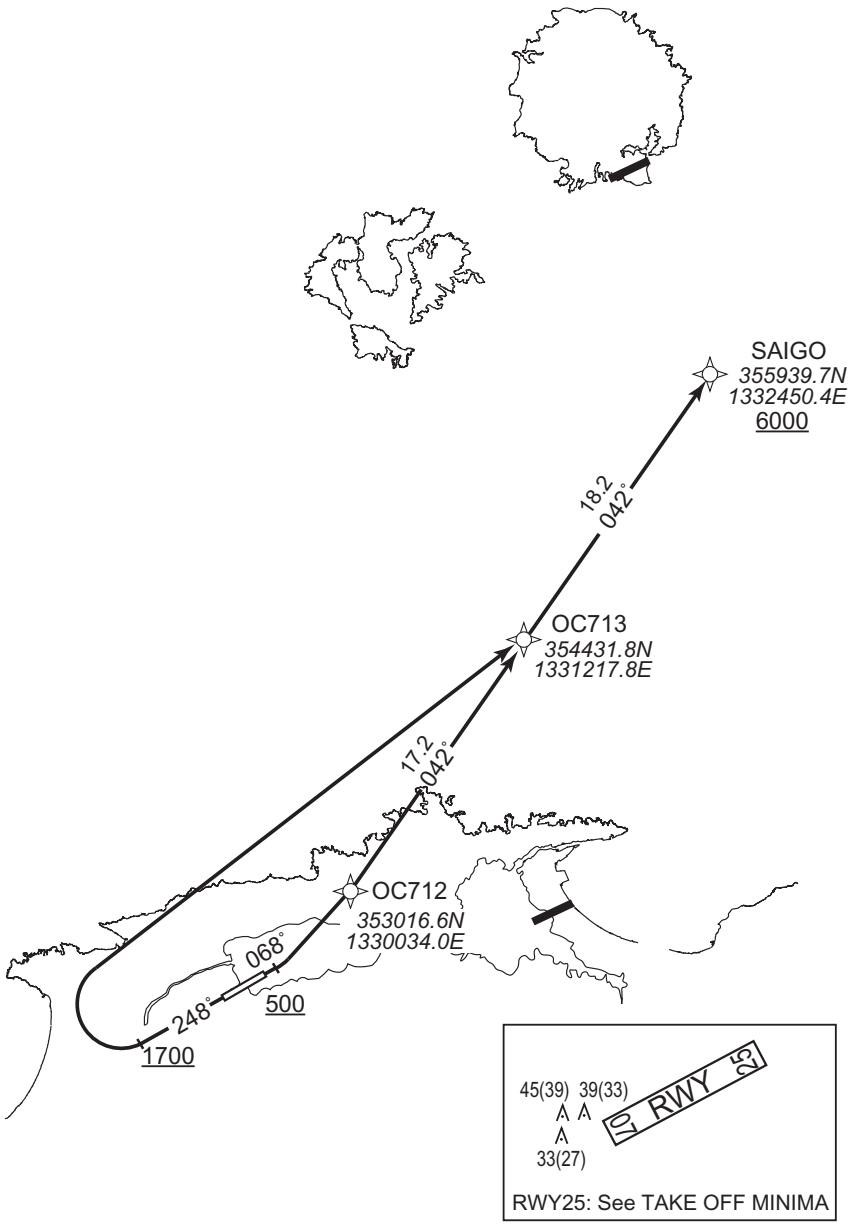
RJOC / IZUMO

RNAV SID

SAIGO TWO DEPARTURE	RNP1

Note GNSS required.

VAR 9˚W



RWY07 : Climb on HDG068˚ at or above 500FT, turn left direct to OC712,
to OC713, to SAIGO at or above 6000FT.

RWY25 : Climb on HDG248˚ at or above 1700FT, turn right direct to OC713,
to SAIGO at or above 6000FT.

NOTE RWY07 : 4.6% climb gradient required up to 800FT.
OBST ALT 1214FT located at 6.8NM 045˚ FM end of RWY07.

RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 280˚ FM end of RWY25.

CHANGE : PROC renamed. PROC course. VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID

SAIGO TWO DEPARTURE

RWY07

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	-	-	068 (059.3)	-8.6	-	-	+500	-	-	RNP1
002	DF	OC712	-	-	-8.6	-	L	-	-	-	RNP1
003	TF	OC713	-	042 (033.7)	-8.6	17.2	-	-	-	-	RNP1
004	TF	SAIGO	-	042 (033.8)	-8.6	18.2	-	+6000	-	-	RNP1

RWY25

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	-	-	248 (239.3)	-8.6	-	-	+1700	-	-	RNP1
002	DF	OC713	-	-	-8.6	-	R	-	-	-	RNP1
003	TF	SAIGO	-	042 (033.8)	-8.6	18.2	-	+6000	-	-	RNP1

CHANGE : PROC renamed. PROC course. VAR.

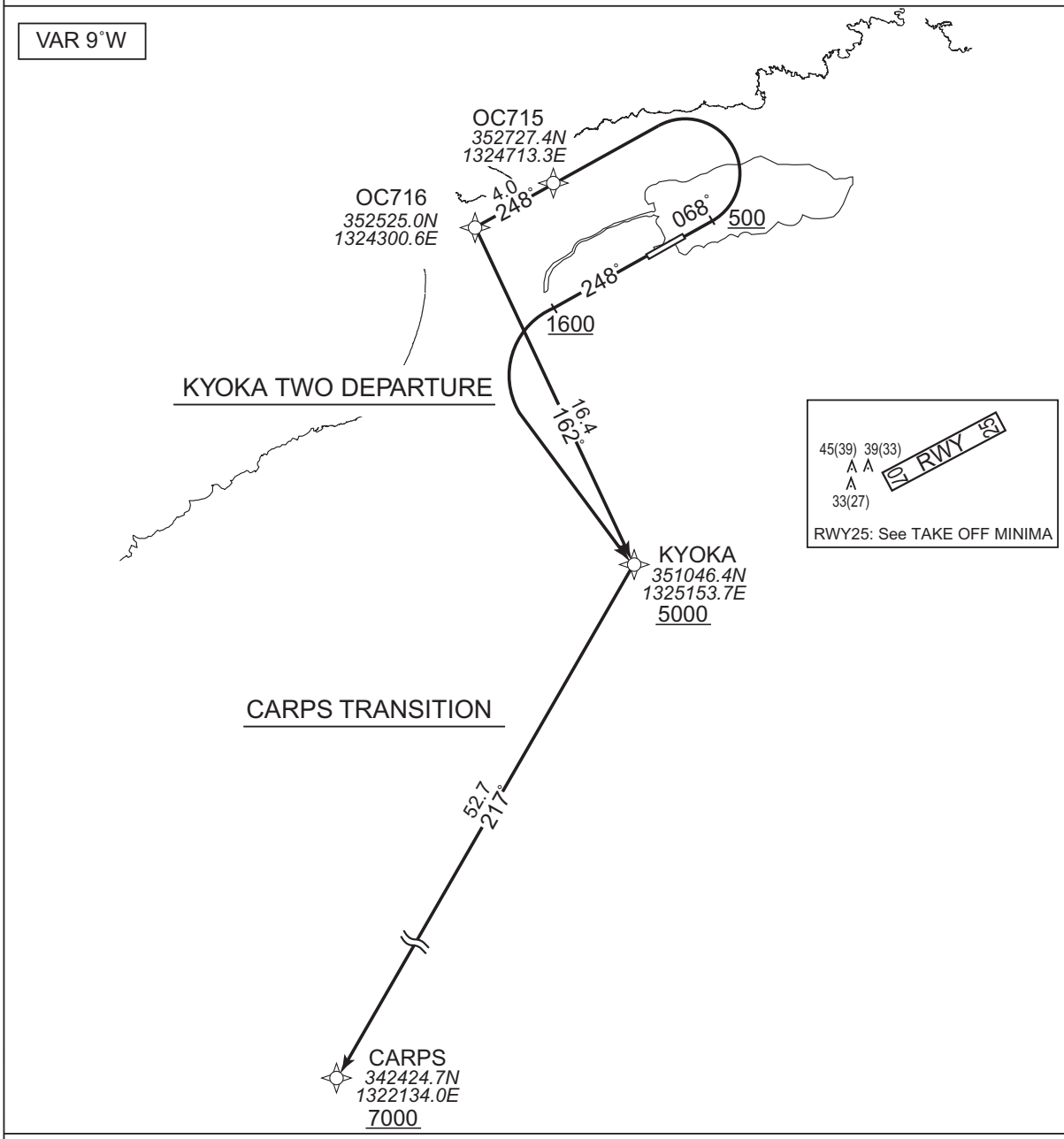
STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO — RNAV SID and TRANSITION

KYOKA TWO DEPARTURE
CARPS TRANSITION

RNP1

Note GNSS required.



KYOKA TWO DEPARTURE

RWY07 : Climb on HDG068˚ at or above 500FT, turn left direct to OC715, to OC716,to KYOKA at or above 5000FT.

RWY25 : Climb on HDG248˚ at or above 1600FT, turn left direct to KYOKA at or above 5000FT.

NOTE RWY07 : 4.6% climb gradient required up to 1800FT.
OBST ALT 1739FT located at 6.3NM 281˚ FM end of RWY07.

RWY25 : 3.8% climb gradient required up to 2400FT.
OBST ALT 1969FT located at 10.8NM 223˚FM end of RWY25.

CARPS TRANSITION

From KYOKA, to CARPS at or above 7000FT.

CHANGE : PROC renamed. PROC course. VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO

RNAV SID and TRANSITION

KYOKA TWO DEPARTURE

RWY07

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	-	-	068 (059.3)	-8.6	-	-	+500	-	-	RNP1
002	DF	OC715	-	-	-8.6	-	L	-	-	-	RNP1
003	TF	OC716	-	248 (239.3)	-8.6	4.0	-	-	-	-	RNP1
004	TF	KYOKA	-	162 (153.6)	-8.6	16.4	-	+5000	-	-	RNP1

RWY25

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	-	-	248 (239.3)	-8.6	-	-	+1600	-	-	RNP1
002	DF	KYOKA	-	-	-8.6	-	L	+5000	-	-	RNP1

CARPS TRANSITION

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	KYOKA	-	-	-8.6	-	-	+5000	-	-	RNP1
002	TF	CARPS	-	217 (208.4)	-8.6	52.7	-	+7000	-	-	RNP1

CHANGE : PROC renamed. PROC course. VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

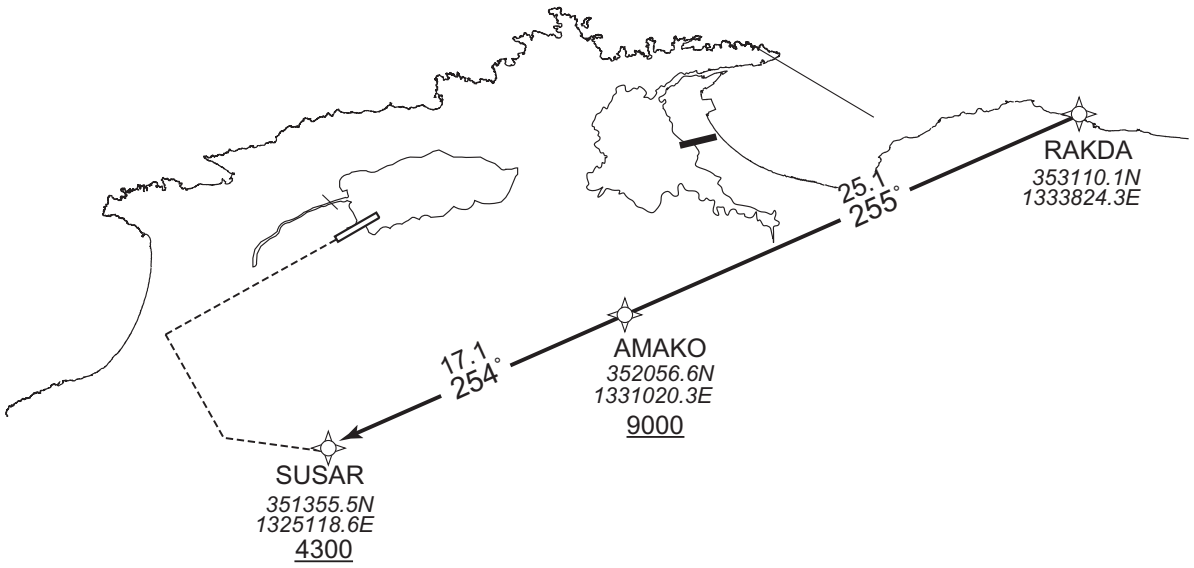
RJOC / IZUMO

RNAV STAR RWY07

SUSAR ARRIVAL	RNP1

Note GNSS required.

VAR 9˚W



From RAKDA, to AMAKO at or above 9000FT, to SUSAR at or above 4300FT.

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	RAKDA	–	–	-8.6	–	–	–	–	–	RNP1
002	TF	AMAKO	–	255 (246.0)	-8.6	25.1	–	+9000	–	–	RNP1
003	TF	SUSAR	–	254 (245.8)	-8.6	17.1	–	+4300	–	–	RNP1

CHANGE : PROC course. VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

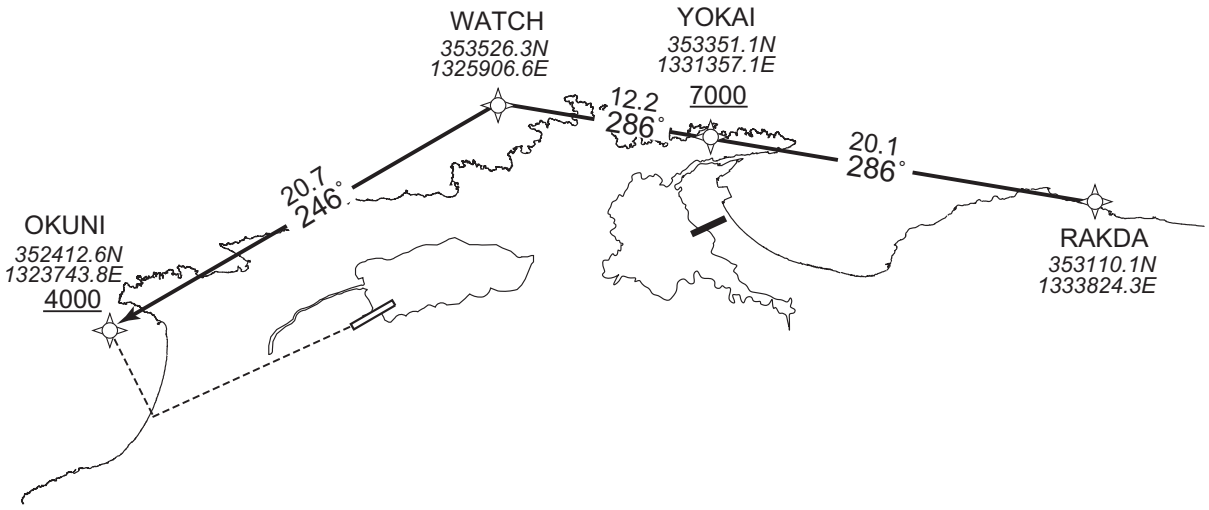
RJOC / IZUMO

RNAV STAR RWY07

OKUNI ARRIVAL	RNP1

Note GNSS required.

VAR 9˚W



From RAKDA, to YOKAI at or above 7000FT, to WATCH, to OKUNI 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	RAKDA	–	–	-8.6	–	–	–	–	–	RNP1
002	TF	YOKAI	–	286 (277.8)	-8.6	20.1	–	+7000	–	–	RNP1
003	TF	WATCH	–	286 (277.6)	-8.6	12.2	–	–	–	–	RNP1
004	TF	OKUNI	–	246 (237.3)	-8.6	20.7	–	+4000	–	–	RNP1

CHANGE : PROC course. VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

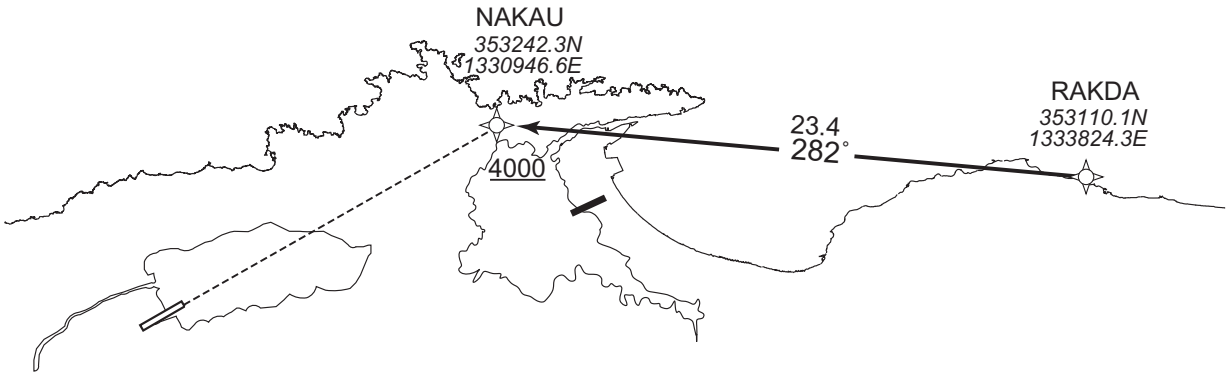
RJOC / IZUMO

RNAV STAR RWY25

NAKAU ARRIVAL	RNP1

Note GNSS required.

VAR 9˚W



From RAKDA, to NAKAU at or above 4000FT.

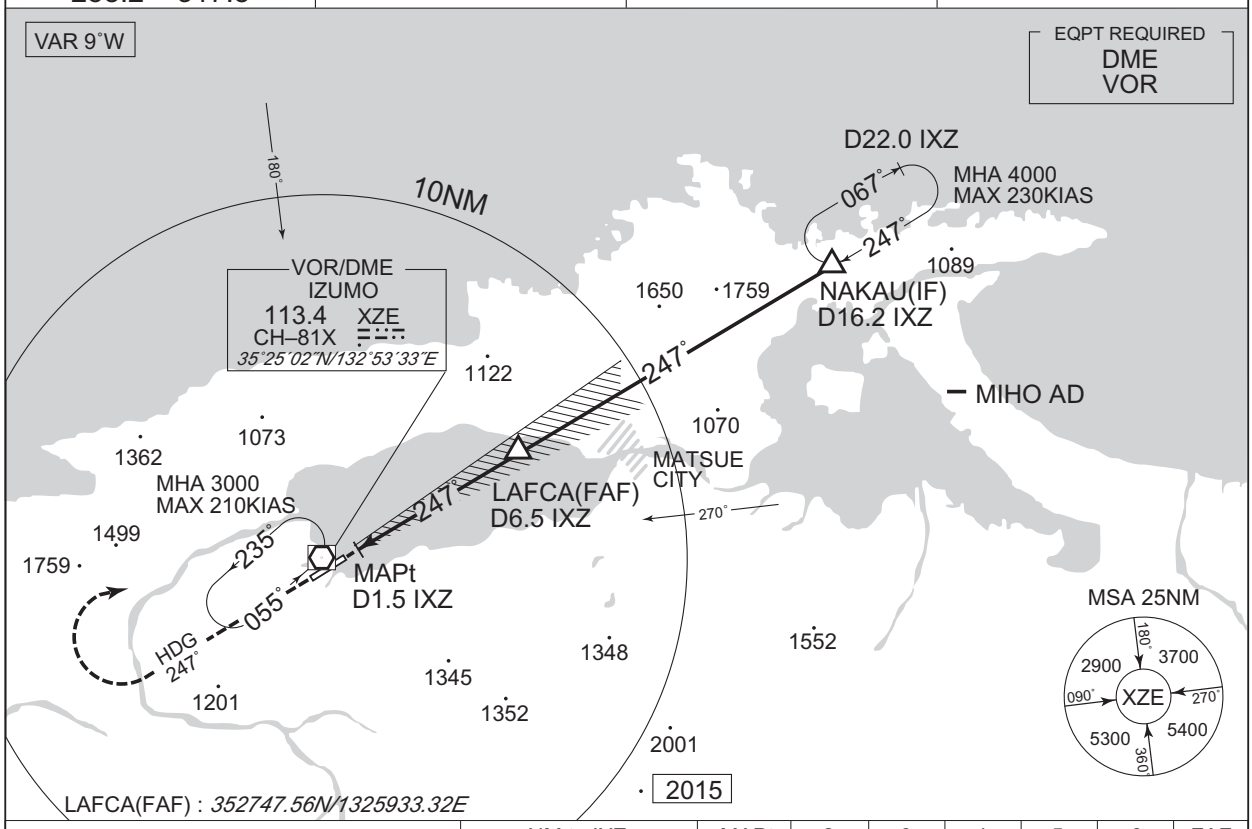
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAKDA	–	–	-8.6	–	–	–	–	–	RNP1
002	TF	NAKAU	–	282 (273.9)	-8.6	23.4	–	+4000	–	–	RNP1

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJOC / IZUMO — LOC Z RWY25

MIHO APP	LOC	IZUMO RADIO	RADAR AVBL
120.1 – 125.4 258.2 – 317.8	111.7 IXZ LOC–DME CH–54X	122.7 – 126.2	

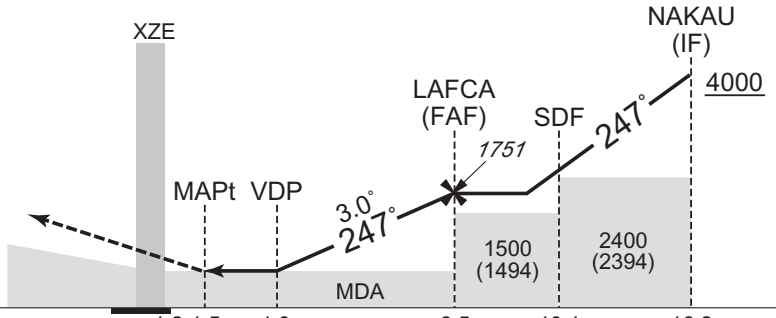


NM to IXZ	MAPt	2	3	4	5	6	FAF
ALT (3.0° APCH Path)	–	317	635	954	1272	1591	1751

MISSED APPROACH

Climb on HDG247° to 1600FT, turn right direct to XZE VOR/DME and hold at 3000FT.
Contact IZUMO RADIO.

Timing not authorized for defining the MAPt.



DME to IXZ	1.2	1.5	1.9	6.5	10.1	16.2
NM to THR	0	0.3	0.6	5.3	9.0	15.0

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 6

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	270 (264)	800	390 (384)	1600
B			460 (454)	
C			560 (554)	2400
D		1200	630 (624)	3200

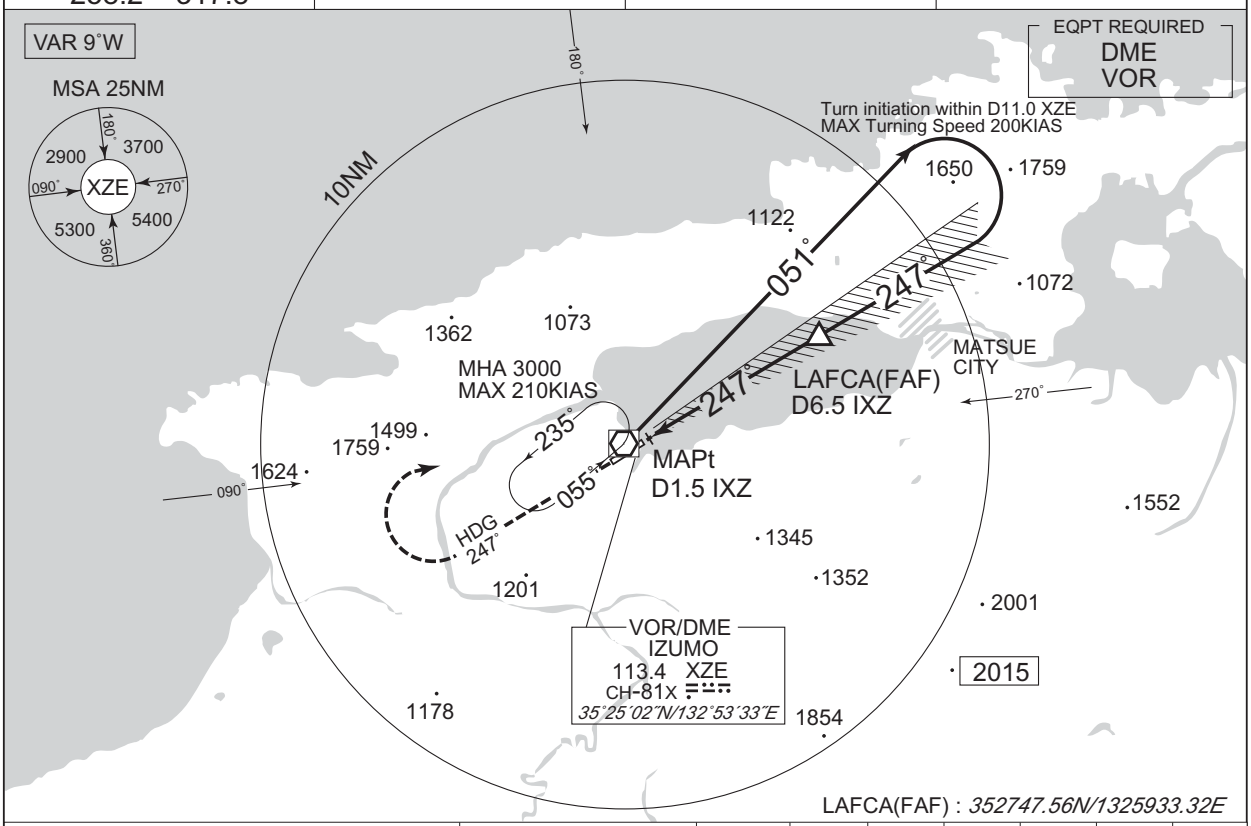
Circling to NORTH side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJOC / IZUMO — LOC Y RWY25

MIHO APP	LOC	IZUMO RADIO	RADAR AVBL
120.1 – 125.4 258.2 – 317.8	111.7 IXZ LOC–DME CH—54X	122.7 – 126.2	

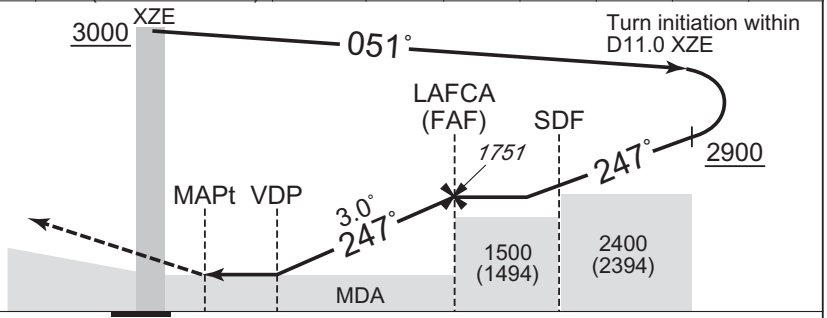


	NM to IXZ	MAPt	2	3	4	5	6	FAF
	ALT (3.0° APCH Path)	–	317	635	954	1272	1591	1751

MISSED APPROACH

Climb on HDG247° to 1600FT,
turn right direct to XZE
VOR/DME and hold at 3000FT.
Contact IZUMO RADIO.

Timing not authorized for defining the MAPt.



DME to IXZ	1.2	1.5	1.9		6.5	10.1
NM to THR	0	0.3	0.6		5.3	9.0

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 6

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	270 (264)	800	390 (384)	1600
B			460 (454)	
C			560 (554)	2400
D		1200	630 (624)	3200

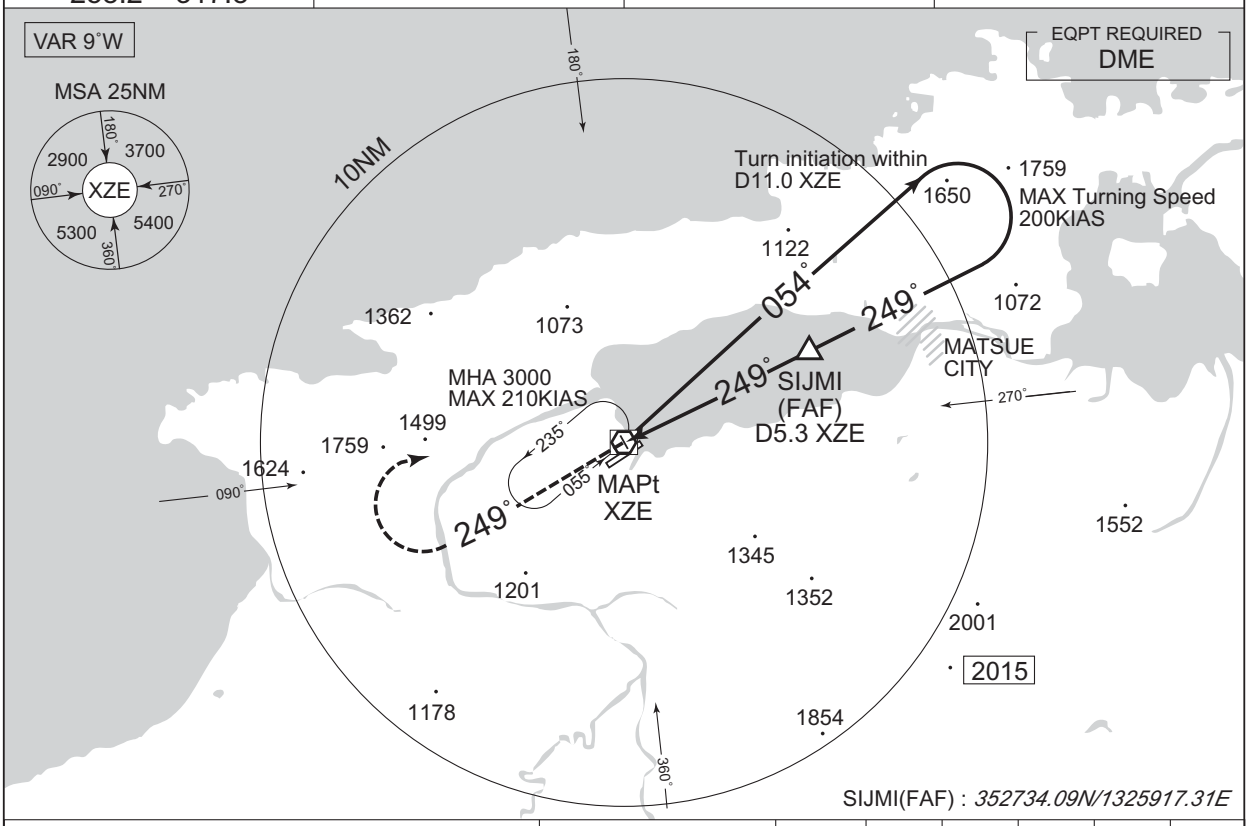
Circling to NORTH side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJOC / IZUMO VOR RWY25

MIHO APP	IZUMO VOR/DME	IZUMO RADIO	RADAR AVBL
120.1 – 125.4 258.2 – 317.8	113.4 XZE CH–81X *35˚25′02″N/132˚53′33″E*	122.7 – 126.2	

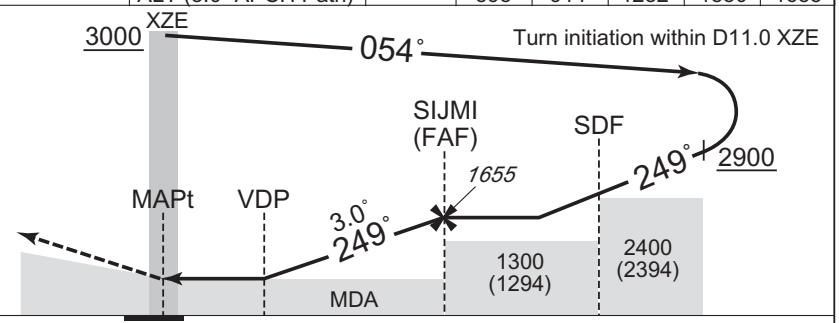


	NM to XZE	MAPt	2	3	4	5	FAF
	ALT (3.0˚ APCH Path)	–	595	914	1232	1550	1655

MISSED APPROACH

Climb via XZE R249 to 1600FT,
turn right direct to XZE
VOR/DME and hold at 3000FT.
Contact IZUMO RADIO.

Timing not authorized for defining the MAPt.



DME to XZE	0.3	1.3	5.3	9.2
NM to THR	0	1.0	5.0	8.9

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 6

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	380 (374)	900	390 (384)	1600
B		1000	460 (454)	
C			560 (554)	2400
D		1400	630 (624)	3200

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

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJOC / IZUMO

RNP RWY07

MIHO APP	RNP APCH	IZUMO RADIO	RADAR AVBL
120.1 – 125.4 258.2 – 317.8	MSAS CH80943 M07A	122.7 – 126.2	

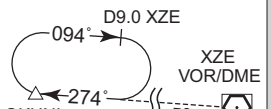
Baro-VNAV not authorized below -10˚C

VAR 9˚W

OKUNI (IAF)	352412.59N 1323743.79E
SUSAR (IAF)	351355.52N 1325118.61E
ENMUH	351352.39N 1324512.46E
OC750	351627.49N 1324320.47E
SUBIE (IF)	351902.56N 1324128.37E
ENYAH (FAF)	352135.67N 1324643.83E
OC751	352255.02N 1324927.62E
RW07 (MAPt)	352432.83N 1325249.80E
OC753 (MATF)	352751.24N 1325940.95E
IZUMO (XZE) (MAHF)	352502.06N 1325332.54E

Using NAVAID

MHA 4000
Maximum holding altitude 6000
MAX 210KIAS



NOT TO SCALE

VOR/DME
IZUMO
113.4 XZE
CH-81X
35˚25′02″N/132˚53′33″E

ARP : 352449N/1325324E

RNAV HLDG

MHA 3000
MAX 210KIAS

NOT TO SCALE

Using NAVAID

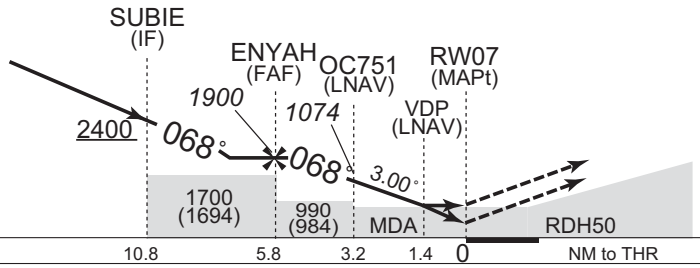
MHA 4300
Maximum holding altitude 7000
MAX 210KIAS

NOT TO SCALE

NM to Next Fix	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1900	1647	1329	1010	692	–

MISSED APPROACH

Direct to OC753, turn left,
direct to XZE and hold at 3000FT.
Contact IZUMO RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 6 AD elev. 6

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	256 (250)	1500	349 (343)	1500	480 (474)	1500	480 (474)	1600
B								
C		1600		1800		2000	560 (554)	2400
D		1800		2000			630 (624)	3200

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

CHANGE : PROC course. Missed APCH for using VOR/DME abolished. MSAS CH added. VAR.
NM to THR for VDP. Missed APCH climb gradient MNM established. MINIMA.

INSTRUMENT APPROACH CHART

RJOC / IZUMO RNP RWY07

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00360
SBAS service provider identifier	2	FPAP latitude	*352505.7945N*
Airport identifier	RJOC	FPAP longitude	*1325358.0770E*
Runway	07	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M07A	⊿ length offset	0000
LTP/FTP latitude	*352432.8070N*	HAL	40.0
LTP/FTP longitude	*1325249.8095E*	VAL	50.0
CRC remainder	30102B24		

Required additional data

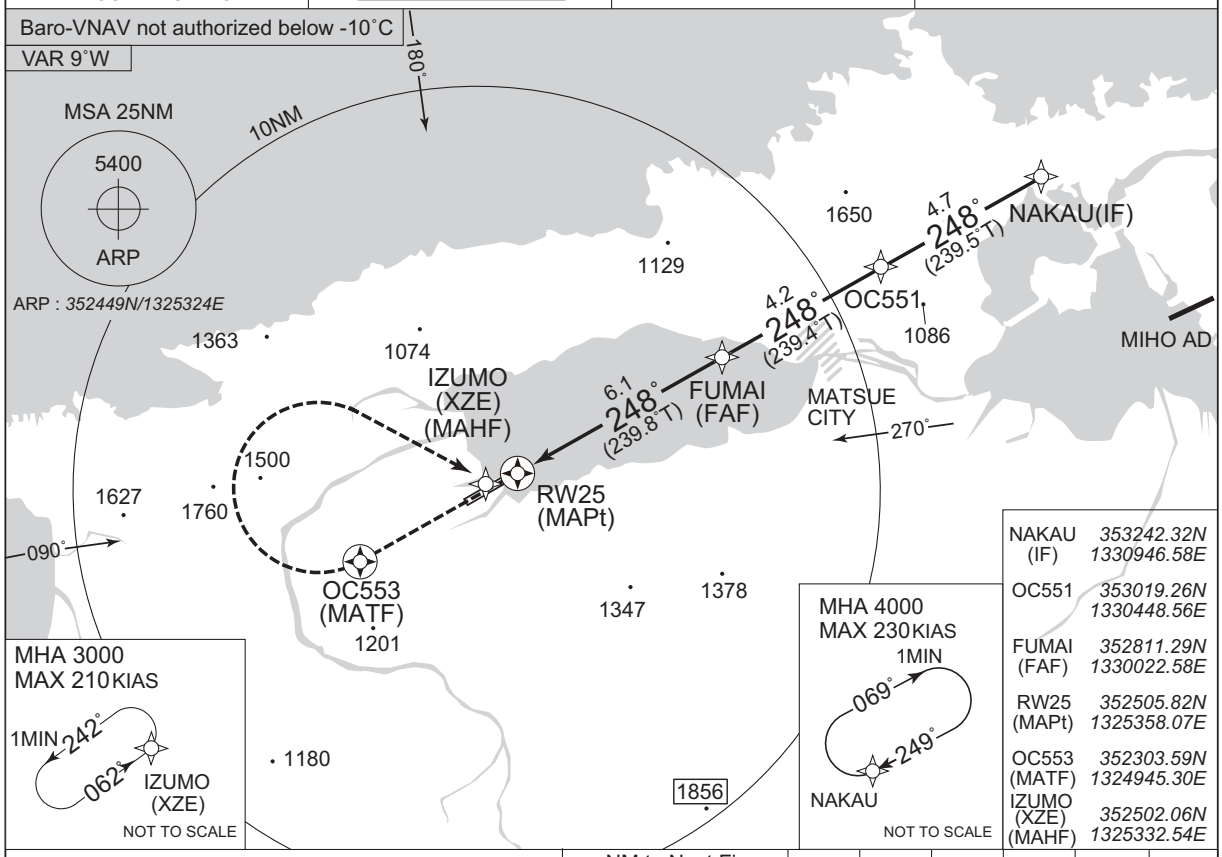
LTP/FTP orthometric height	1.4

CHANGE : FAS DATA BLOCK, Required additional data established.

INSTRUMENT APPROACH CHART

RJOC / IZUMO — RNP RWY25

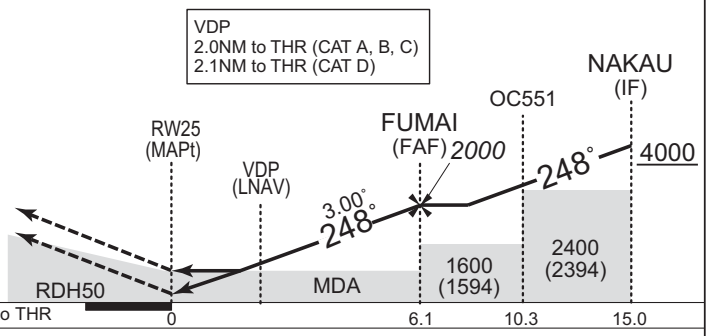
MIHO APP	RNP APCH	IZUMO RADIO	RADAR AVBL
120.1 – 125.4 258.2 – 317.8	MSAS CH57263 M25A	122.7 – 126.2	



NM to Next Fix	MAPt	3	4	5	6	FAF
ALT (3.0˚ APCH Path)	–	1020	1338	1657	1975	2000

MISSED APPROACH

Direct to OC553, turn right,
direct to XZE and hold at 3000FT.
Contact IZUMO RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA — THR elev. 15 — AD elev. 6

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	265 (250)	800	370 (355)	900	670 (664)	1200	670 (664)	1600
B				1000		1400		
C								2400
D		1200	405 (390)	1400	710 (704)	1800	710 (704)	3200

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

CHANGE : DIST FM FUMAI to RW25 in plan view.

INSTRUMENT APPROACH CHART

RJOC / IZUMO RNP RWY25

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00389
SBAS service provider identifier	2	FPAP latitude	*352432.8070N*
Airport identifier	RJOC	FPAP longitude	*1325249.8095E*
Runway	25	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M25A	⊿ length offset	0000
LTP/FTP latitude	*352505.7945N*	HAL	40.0
LTP/FTP longitude	*1325358.0770E*	VAL	50.0
CRC remainder	F401BF48		

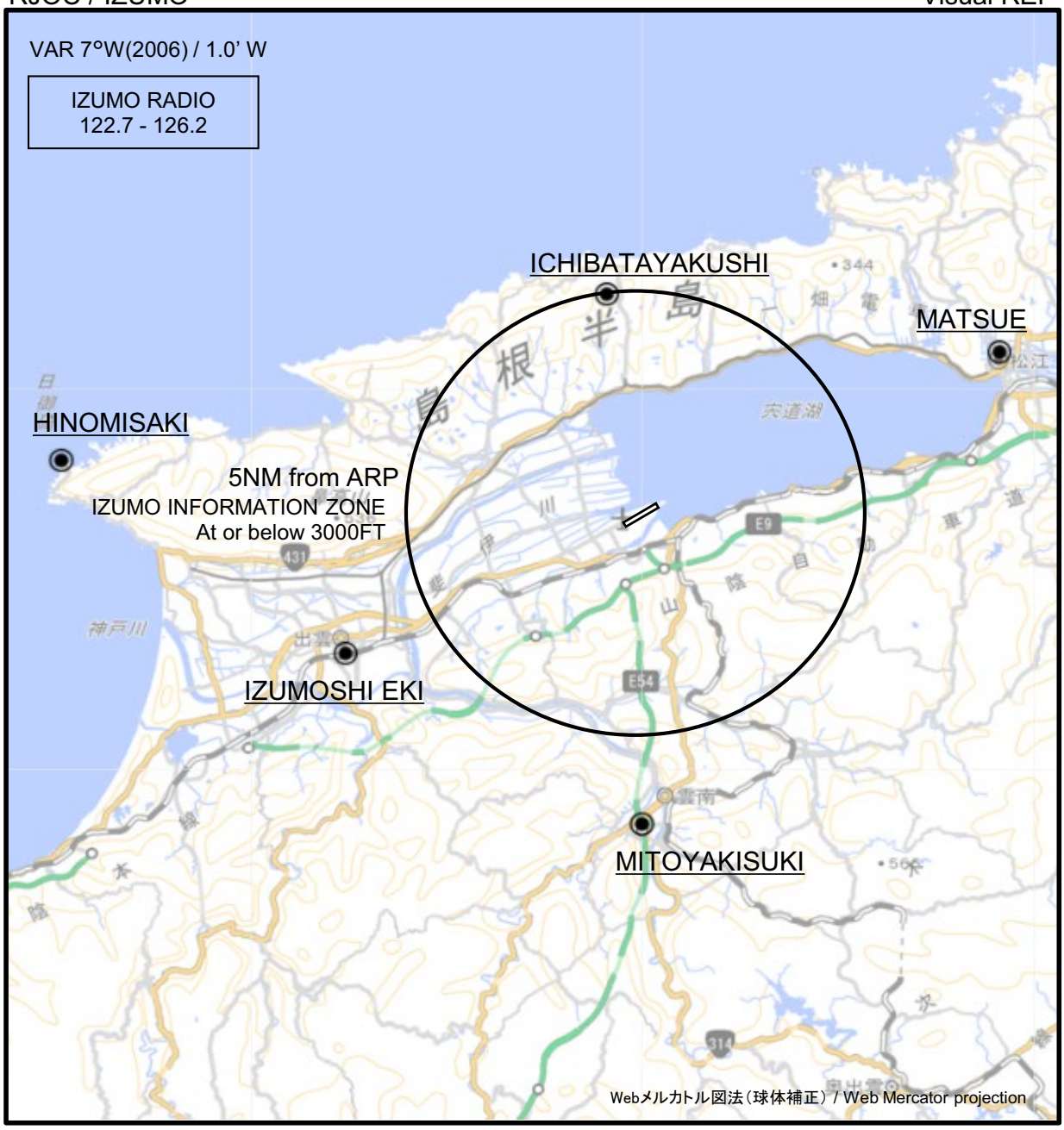
Required additional data

LTP/FTP orthometric height	4.3

CHANGE : FAS DATA BLOCK, Required additional data established.

RJOC / IZUMO

Visual REP

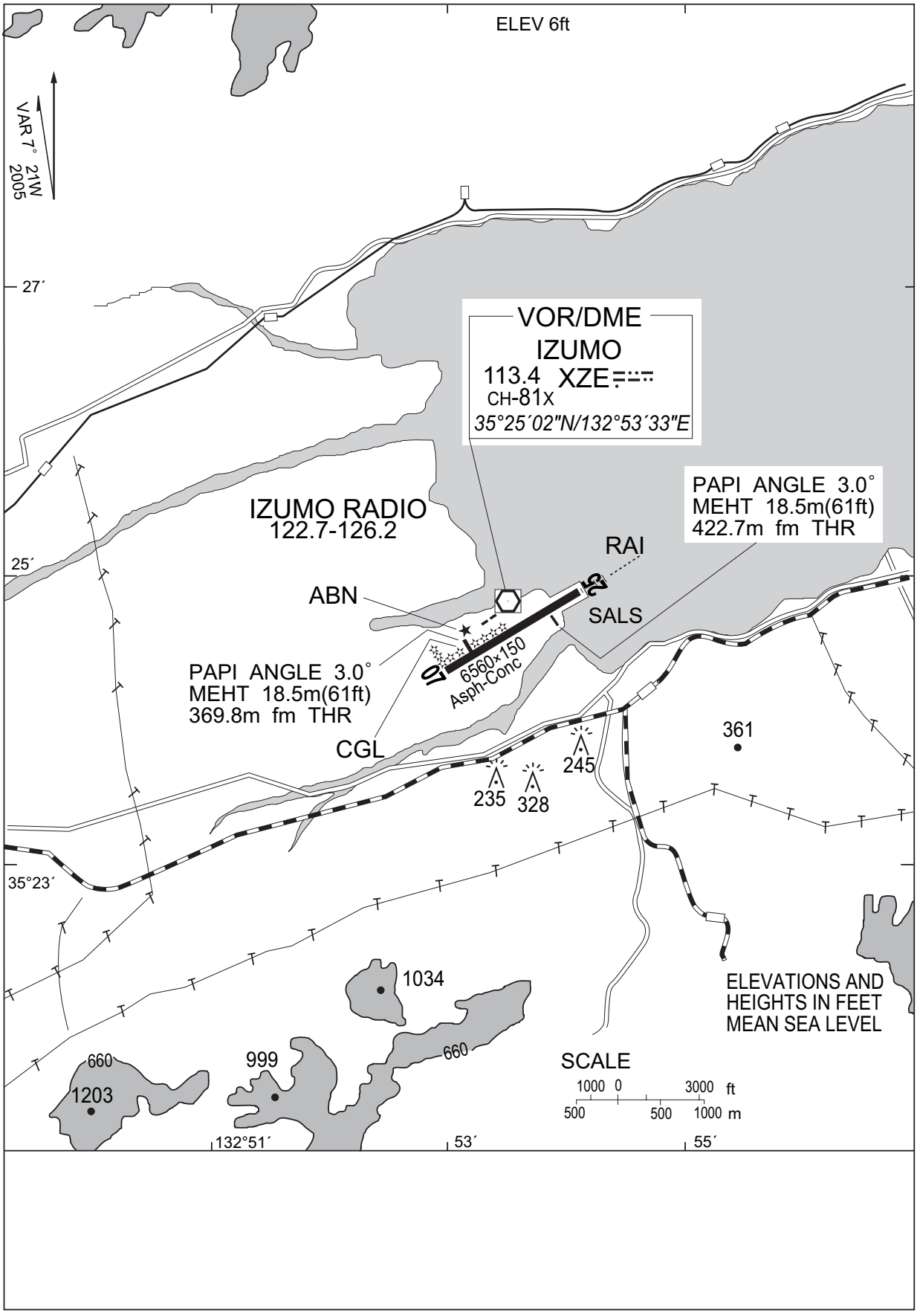


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

Call sign	BRG / DIST from ARP	Remarks
一畑薬師 Ichibatayakushi	351°T / 5.0NM	寺 Temple
松江 Matsue	064°T / 8.7NM	城 Castle
日御碕 Hinomisaki	275°T / 12.8NM	灯台 Lighthouse
出雲市駅 Izumoshi Eki	244°T / 7.2NM	JR駅 Station
三刀屋木次 Mitoyakisuki	180°T / 7.0NM	IC Interchange

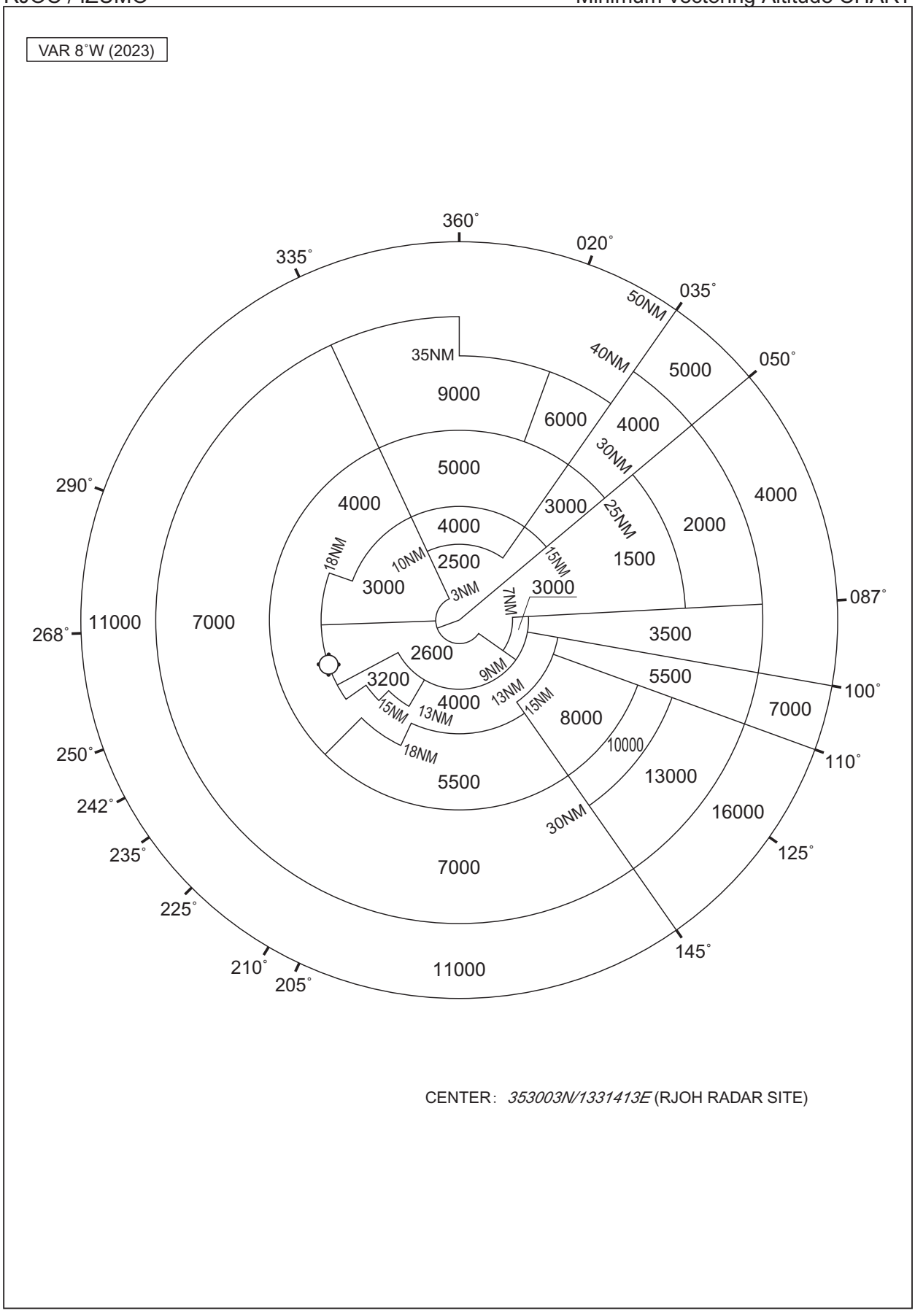
CHANGE : Map updated. BRG/DIST from ARP. Mitoyakisuki established. Kisuki abolished.

RJOC / IZUMO LDG CHART



RJOC / IZUMO

Minimum Vectoring Altitude CHART



CHANGE : VAR. Update(BTN 205°and 210°).