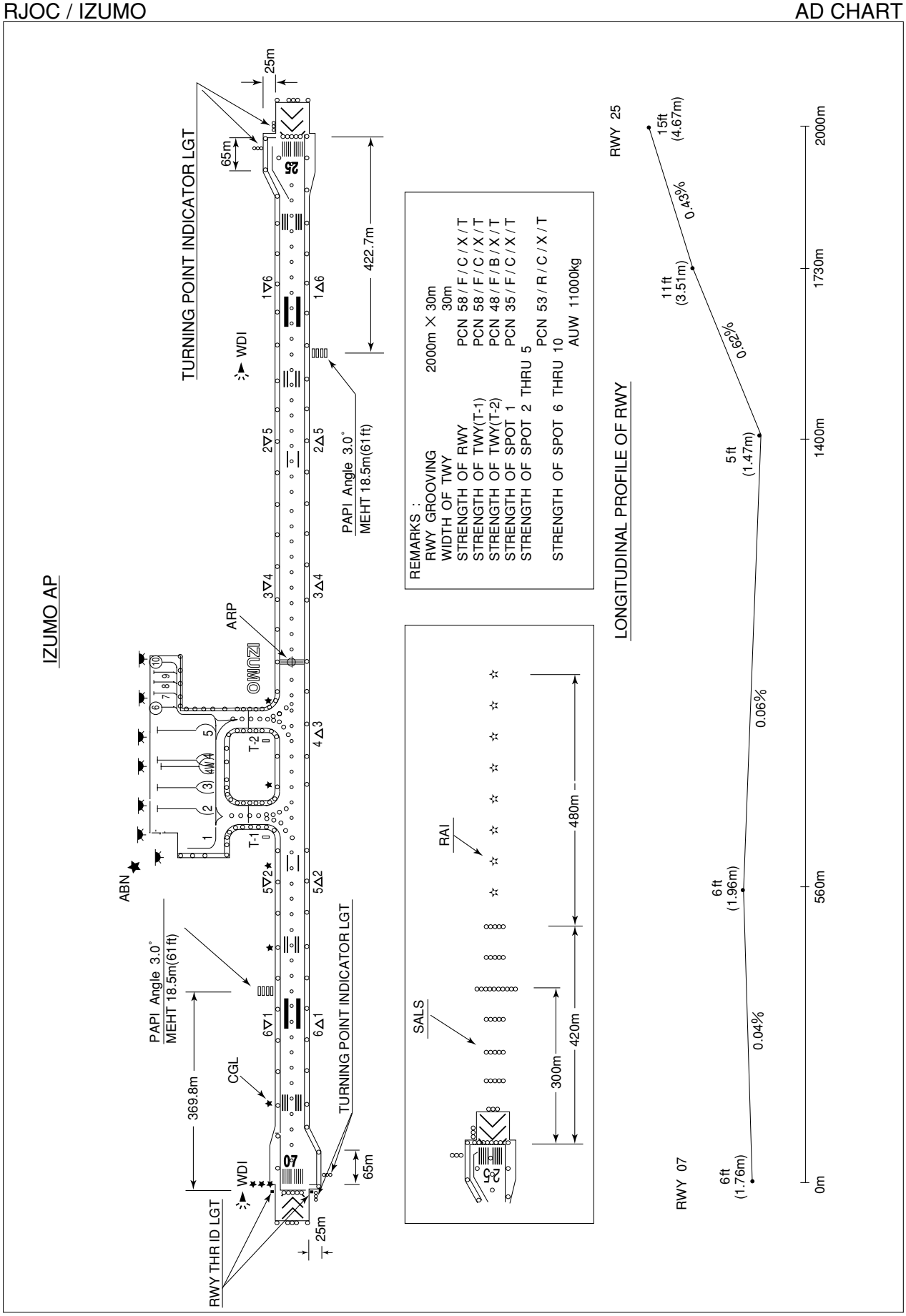
RJOC / IZUMO

AD CHART



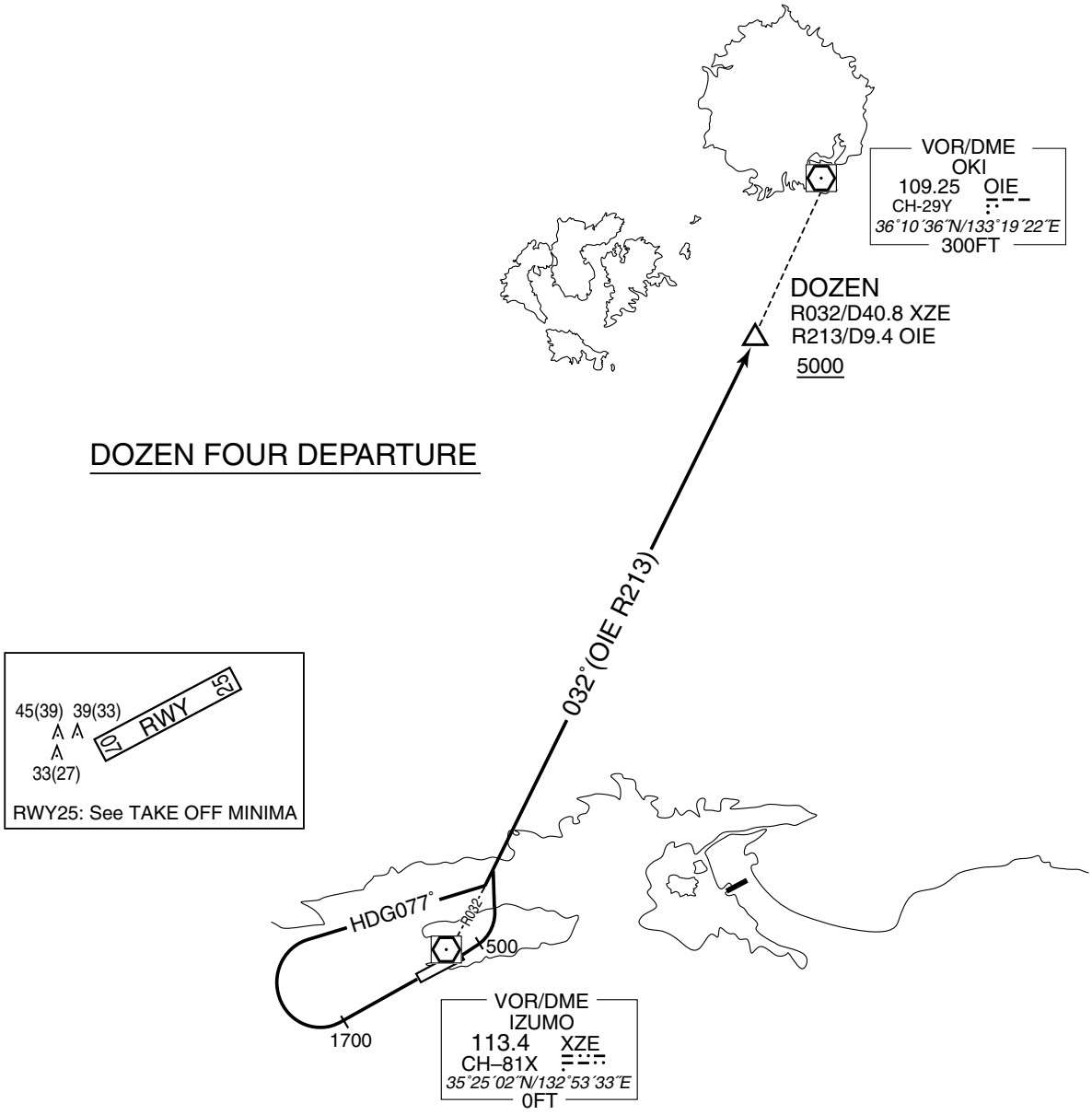
STANDARD DEPARTURE CHART -INSTRUMENT

RJOC / IZUMO SID

DOZEN FOUR 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(OIE R213) to DOZEN.
Cross DOZEN at or above 5000FT.

Note RWY07: 4.6% climb gradient required up to 1300FT.
OBST ALT 1074FT located at 4.8NM 028˚ FM end of RWY07.
RWY25: 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 279˚ FM end of RWY25.



STANDARD DEPARTURE CHART -INSTRUMENT

RJOC / IZUMO SID

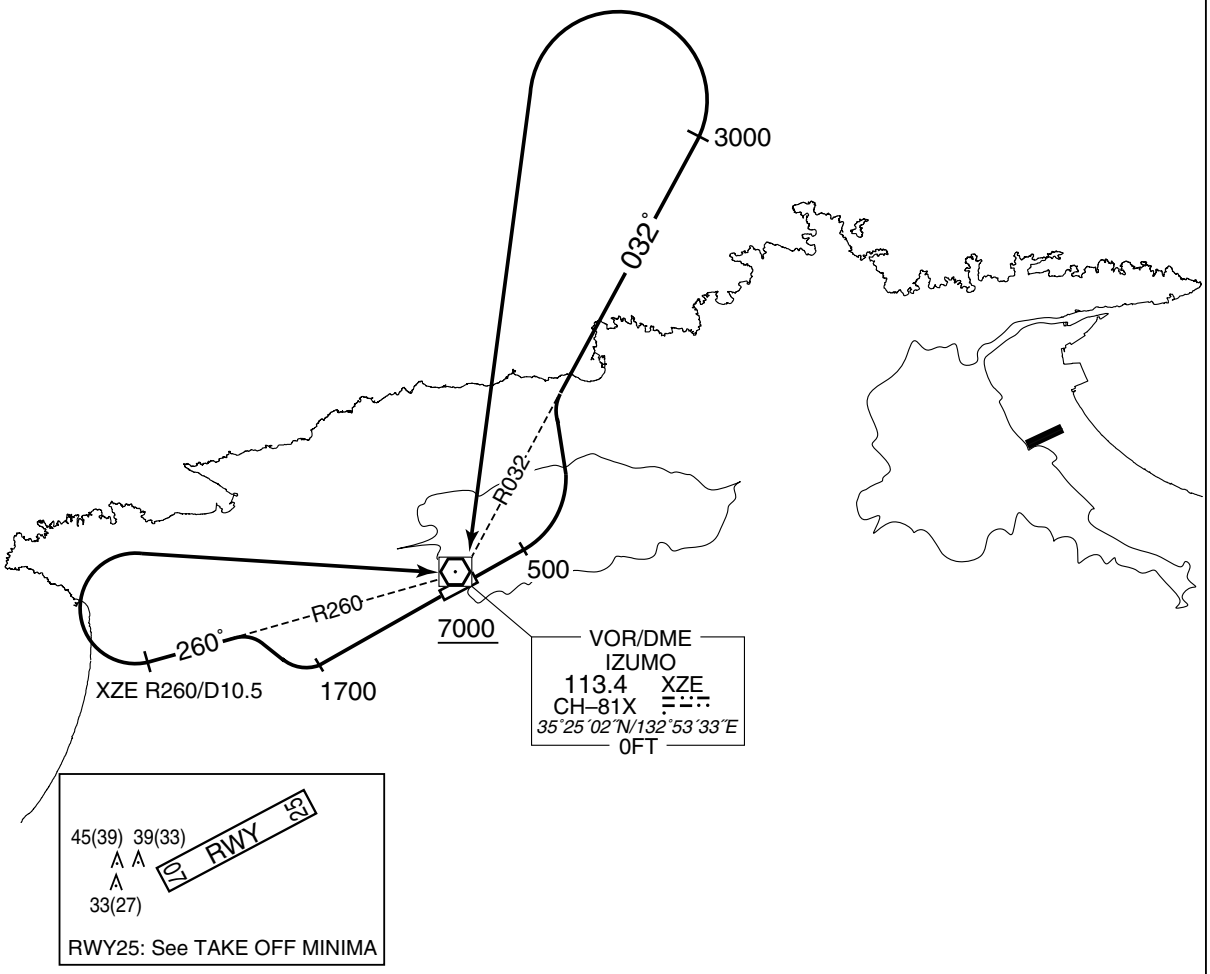
IZUMO REVERSAL FOUR DEPARTURE

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 028˚ FM end of RWY07.
RWY25: 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 279˚ FM end of RWY25.

IZUMO REVERSAL FOUR DEPARTURE

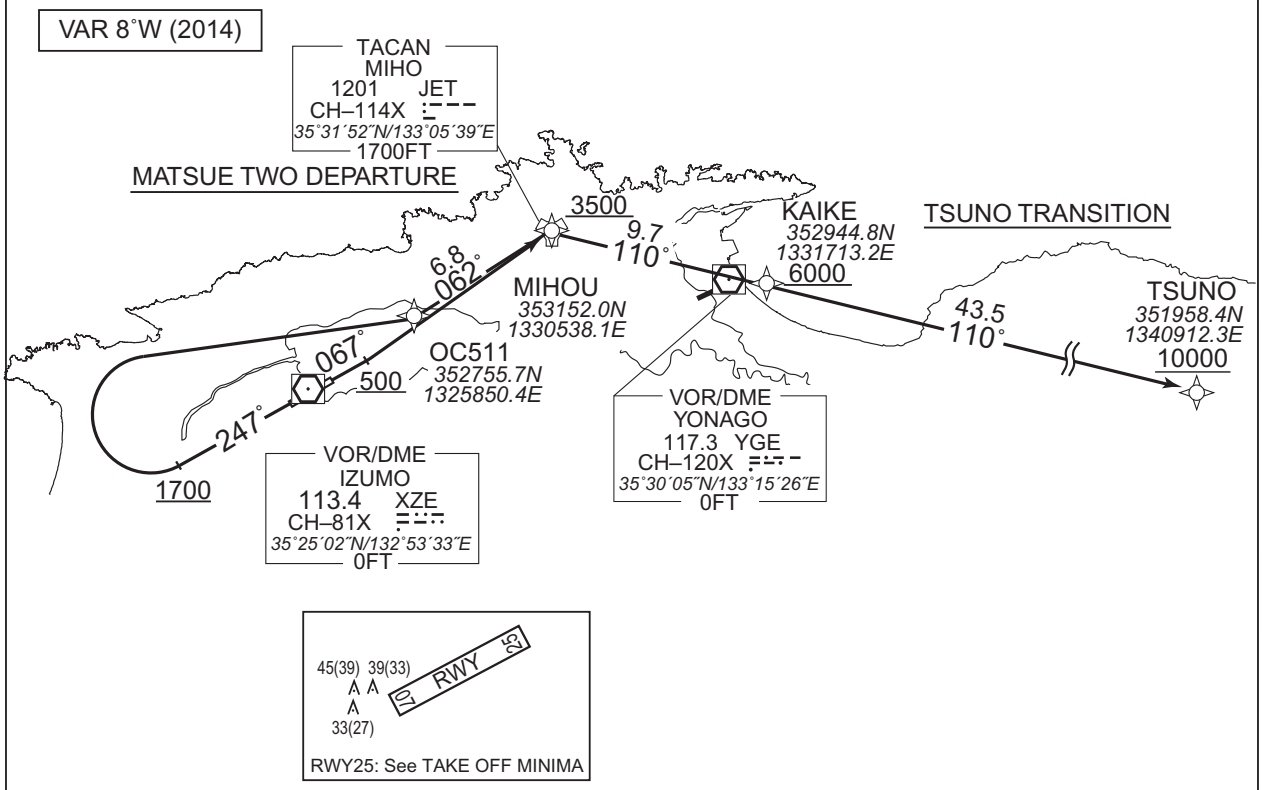


STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO — RNAV SID and TRANSITION

MATSUE TWO DEPARTURE TSUNO TRANSITION	Basic RNP1

Note GNSS required.



MATSUE TWO DEPARTURE

RWY07 : Climb on HDG067˚ at or above 500FT, direct to MIHOU at or above 3500FT.

RWY25 : Climb on HDG247˚ 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 058˚ FM end of RWY07.

RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 279˚ FM end of RWY25.

TSUNO TRANSITION

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

CHANGE : FIX symbol(TSUNO).

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID and TRANSITION

MATSUE 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	–	–	067 (059.3)	-7.6	–	–	+500	–	–	Basic RNP1
002	DF	MIHOU	–	–	-7.6	–	–	+3500	–	–	Basic 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	–	–	247 (239.3)	-7.6	–	–	+1700	–	–	Basic RNP1
002	DF	OC511	–	–	-7.6	–	R	–	–	–	Basic RNP1
003	TF	MIHOU	–	062 (054.5)	-7.6	6.8	–	+3500	–	–	Basic RNP1

TSUNO TRANSITION

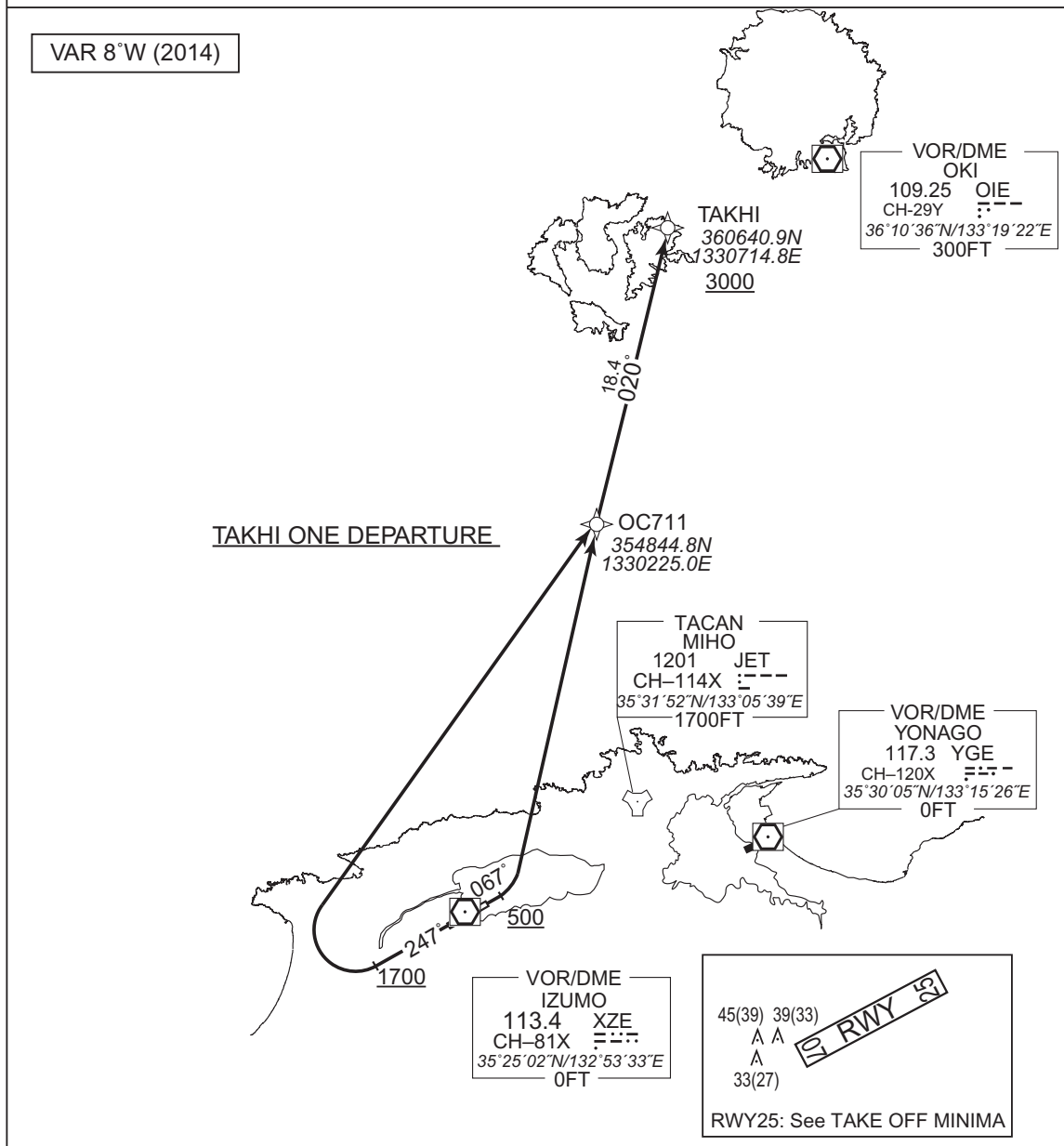
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	MIHOU	–	–	-7.6	–	–	+3500	–	–	Basic RNP1
002	TF	KAIKE	–	110 (102.6)	-7.6	9.7	–	+6000	–	–	Basic RNP1
003	TF	TSUNO	–	110 (102.7)	-7.6	43.5	–	+10000	–	–	Basic RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO — RNAV SID

TAKHI ONE DEPARTURE	Basic RNP1

Note GNSS required.



TAKHI ONE DEPARTURE

RWY07 : Climb on HDG067˚ at or above 500FT, turn left direct to OC711, to TAKHI at or above 3000FT.

RWY25 : Climb on HDG247˚ 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 028˚ FM end of RWY07.

RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 279˚ FM end of RWY25.

CHANGE : FIX symbol(TAKHI).

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID

TAKHI ONE 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	—	—	067 (059.3)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	OC711	—	—	-7.6	—	L	—	—	—	Basic RNP1
003	TF	TAKHI	—	020 (012.3)	-7.6	18.4	—	+3000	—	—	Basic RNP1

RWY25

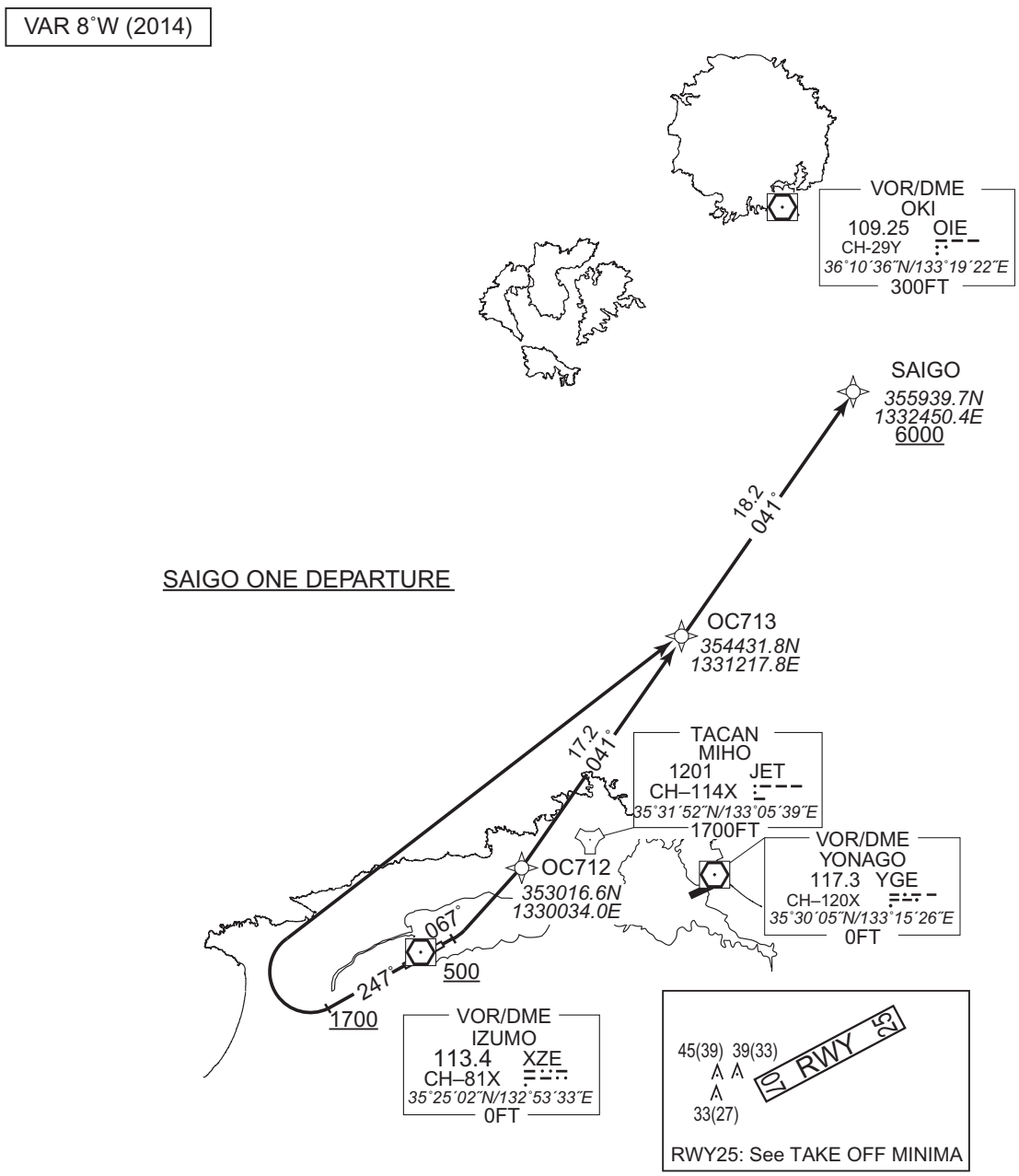
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	247 (239.3)	-7.6	—	—	+1700	—	—	Basic RNP1
002	DF	OC711	—	—	-7.6	—	R	—	—	—	Basic RNP1
003	TF	TAKHI	—	020 (012.3)	-7.6	18.4	—	+3000	—	—	Basic RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO — RNAV SID

SAIGO ONE DEPARTURE	Basic RNP1

Note GNSS required.



SAIGO ONE DEPARTURE

RWY07 : Climb on HDG067˚ at or above 500FT, turn left direct to OC712, to OC713, to SAIGO at or above 6000FT.

RWY25 : Climb on HDG247˚ 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 044˚ FM end of RWY07.

RWY25 : 4.7% climb gradient required up to 2200FT.
OBST ALT 1838FT located at 6.3NM 279˚ FM end of RWY25.

CHANGE : FIX symbol(SAIGO).

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID

SAIGO ONE 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	—	—	067 (059.3)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	OC712	—	—	-7.6	—	L	—	—	—	Basic RNP1
003	TF	OC713	—	041 (033.7)	-7.6	17.2	—	—	—	—	Basic RNP1
004	TF	SAIGO	—	041 (033.8)	-7.6	18.2	—	+6000	—	—	Basic RNP1

RWY25

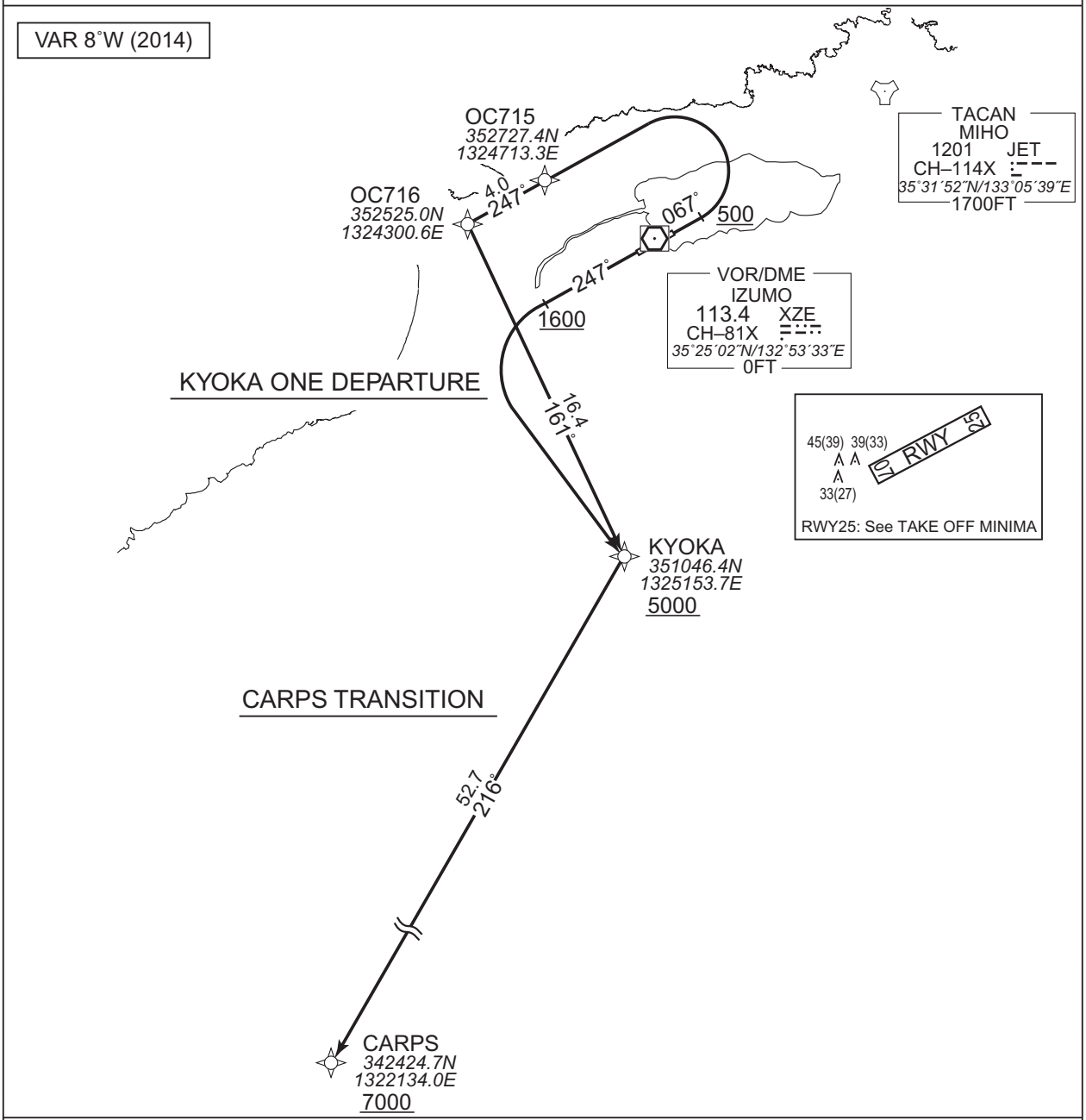
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	247 (239.3)	-7.6	—	—	+1700	—	—	Basic RNP1
002	DF	OC713	—	—	-7.6	—	R	—	—	—	Basic RNP1
003	TF	SAIGO	—	041 (033.8)	-7.6	18.2	—	+6000	—	—	Basic RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO — RNAV SID and TRANSITION

KYOKA ONE DEPARTURE CARPS TRANSITION	Basic RNP1

Note GNSS required.



KYOKA ONE DEPARTURE

RWY07 : Climb on HDG067˚ at or above 500FT, turn left direct to OC715, to OC716,to KYOKA at or above 5000FT.

RWY25 : Climb on HDG247˚ 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 280˚ FM end of RWY07.

RWY25 : 3.8% climb gradient required up to 2400FT.
OBST ALT 1969FT located at 10.8NM 222˚FM end of RWY25.

CARPS TRANSITION

From KYOKA, to CARPS at or above 7000FT.

CHANGE : FIX symbol(KYOKA).

STANDARD DEPARTURE CHART - INSTRUMENT

RJOC / IZUMO RNAV SID and TRANSITION

KYOKA ONE 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	—	—	067 (059.3)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	OC715	—	—	-7.6	—	L	—	—	—	Basic RNP1
003	TF	OC716	—	247 (239.3)	-7.6	4.0	—	—	—	—	Basic RNP1
004	TF	KYOKA	—	161 (153.6)	-7.6	16.4	—	+5000	—	—	Basic 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	—	—	247 (239.3)	-7.6	—	—	+1600	—	—	Basic RNP1
002	DF	KYOKA	—	—	-7.6	—	L	+5000	—	—	Basic 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	—	—	-7.6	—	—	+5000	—	—	Basic RNP1
002	TF	CARPS	—	216 (208.4)	-7.6	52.7	—	+7000	—	—	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

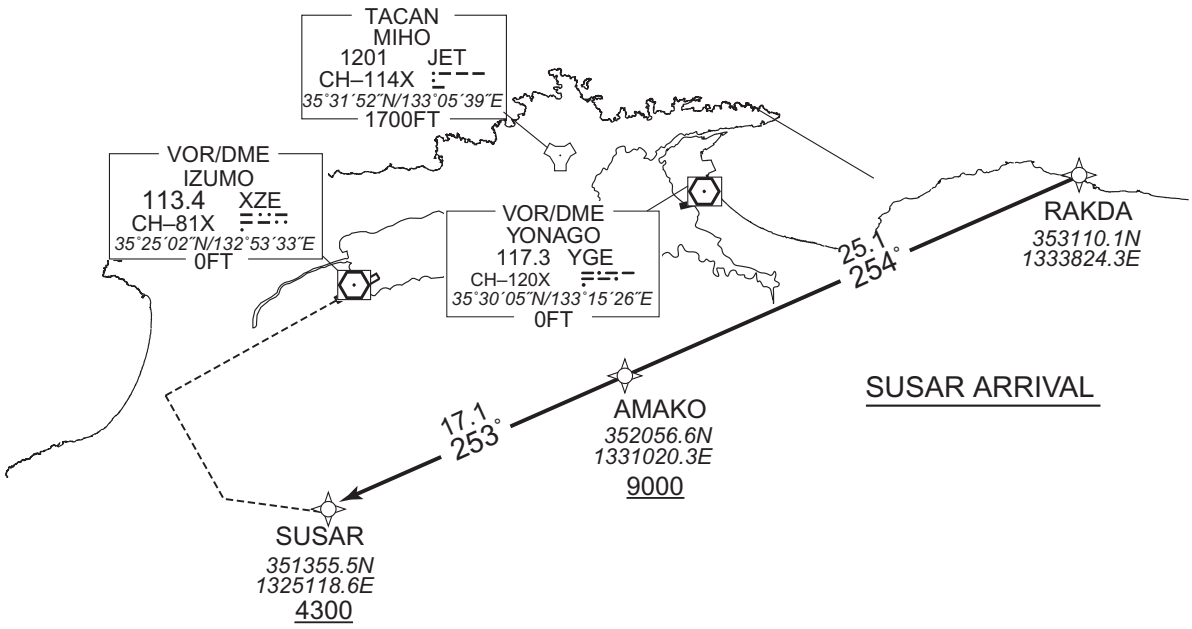
RJOC / IZUMO

RNAV STAR RWY07

SUSAR ARRIVAL	Basic RNP1

Note GNSS required.

VAR 8˚W (2014)



SUSAR ARRIVAL

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	–	–	-7.6	–	–	–	–	–	Basic RNP1
002	TF	AMAKO	–	254 (246.0)	-7.6	25.1	–	+9000	–	–	Basic RNP1
003	TF	SUSAR	–	253 (245.8)	-7.6	17.1	–	+4300	–	–	Basic RNP1

CHANGE : FIX symbol(SUSAR).

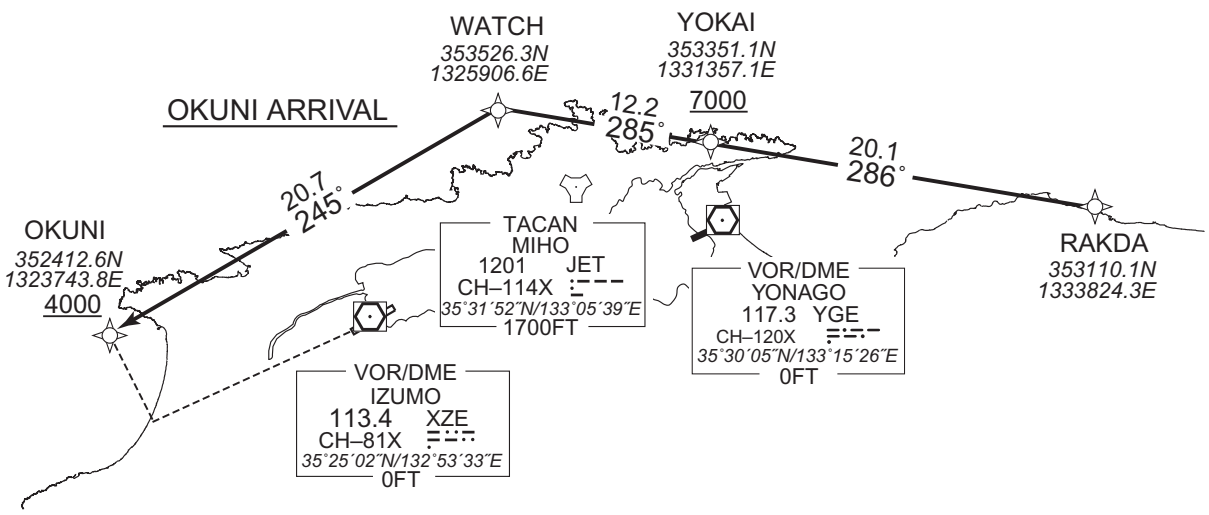
STANDARD ARRIVAL CHART - INSTRUMENT

RJOC / IZUMO — RNAV STAR RWY07

OKUNI ARRIVAL	Basic RNP1

Note GNSS required.

VAR 8˚W (2016)



OKUNI ARRIVAL

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	–	–	-7.9	–	–	–	–	–	Basic RNP1
002	TF	YOKAI	–	286 (277.8)	-7.9	20.1	–	+7000	–	–	Basic RNP1
003	TF	WATCH	–	285 (277.6)	-7.9	12.2	–	–	–	–	Basic RNP1
004	TF	OKUNI	–	245 (237.3)	-7.9	20.7	–	+4000	–	–	Basic RNP1

CHANGE : FIX symbol(OKUNI).

STANDARD ARRIVAL CHART - INSTRUMENT

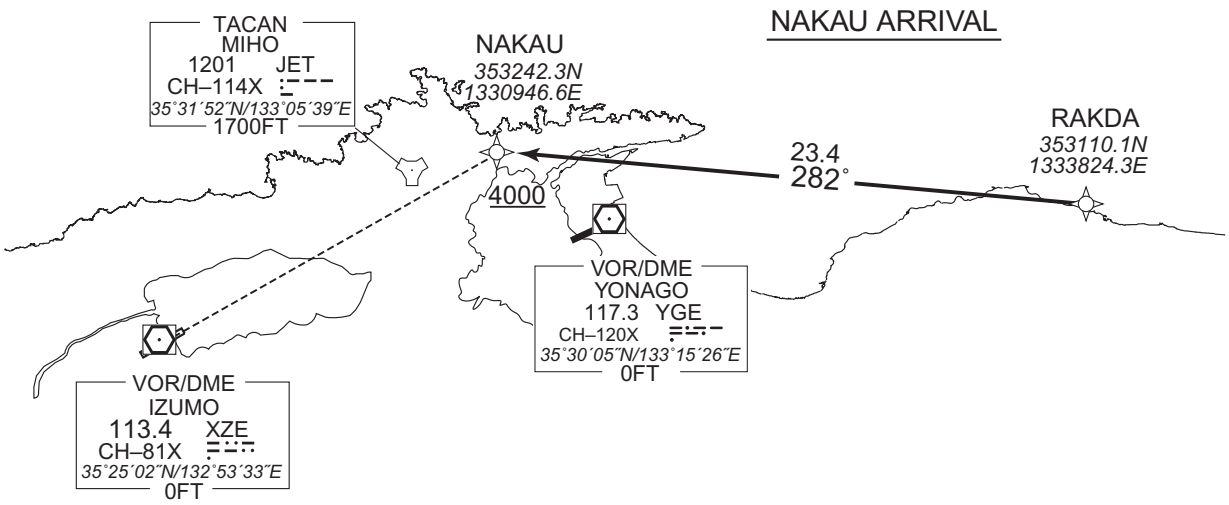
RJOC / IZUMO

RNAV STAR RWY25

NAKAU ARRIVAL	Basic RNP1

Note GNSS required.

VAR 8˚W (2014)



NAKAU ARRIVAL

From RAKDA, to NAKAU at or above 4000FT.

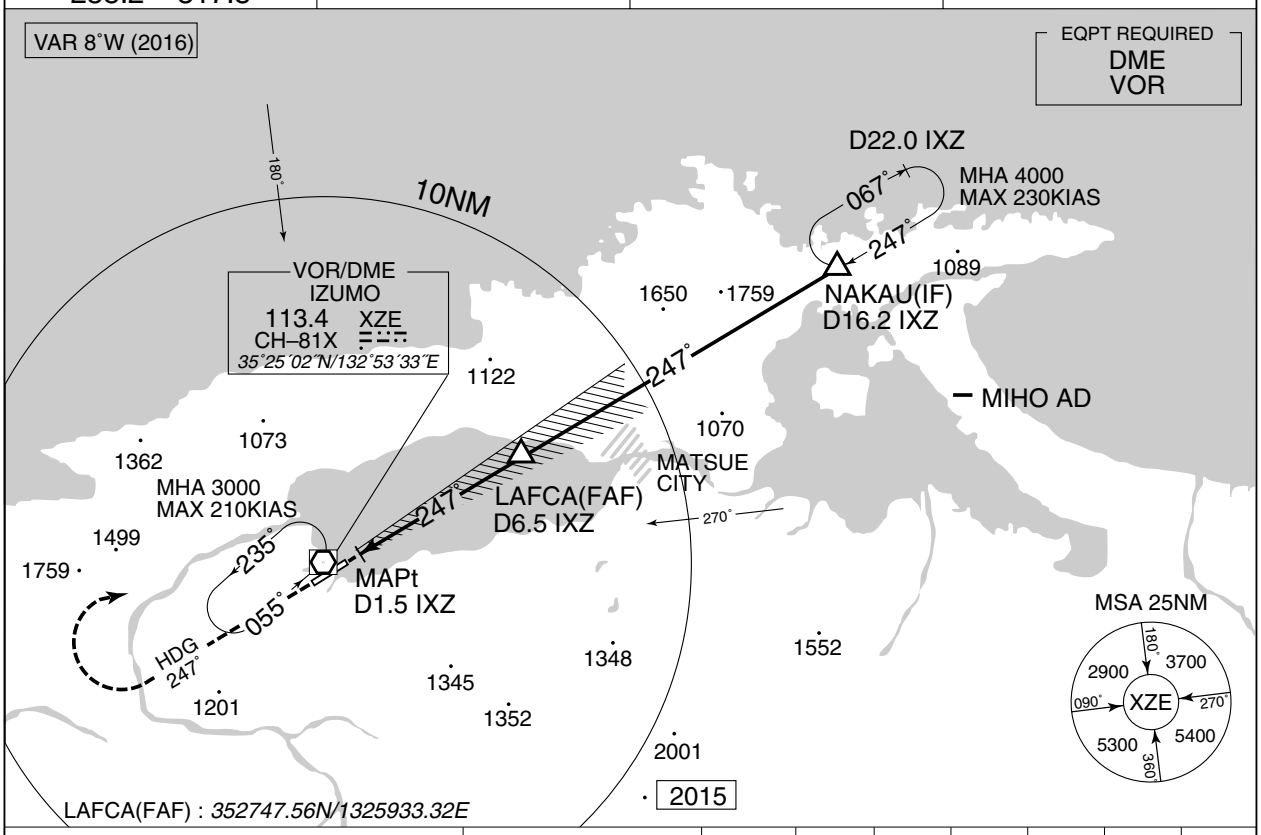
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RAKDA	–	–	-7.6	–	–	–	–	–	Basic RNP1
002	TF	NAKAU	–	282 (273.9)	-7.6	23.4	–	+4000	–	–	Basic RNP1

CHANGE : FIX symbol(NAKAU).

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	

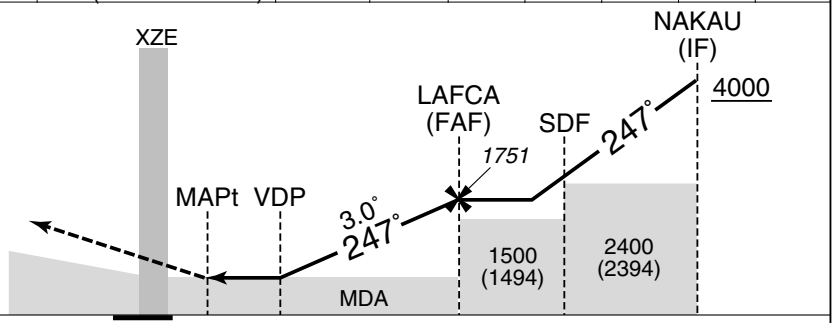


NM to IXZ	MAPt	2	3	4	5	6	FAF
ALT (3.0˚ APCH Path)	–	317	635	954	1272	1591	1751

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

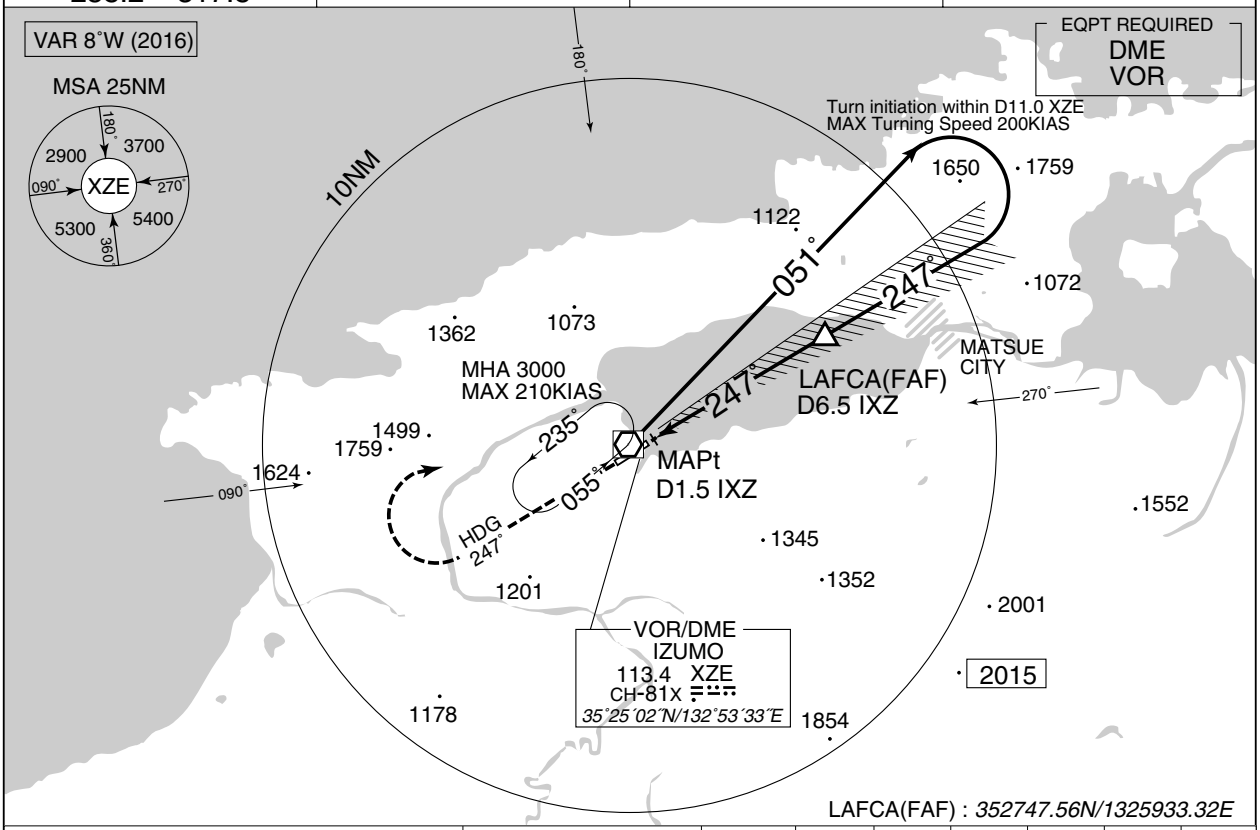
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	270 (264)	800	390 (384)	1600
B			460 (454)	
C			560 (554)	2400
D		1200	630 (624)	3200

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

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	

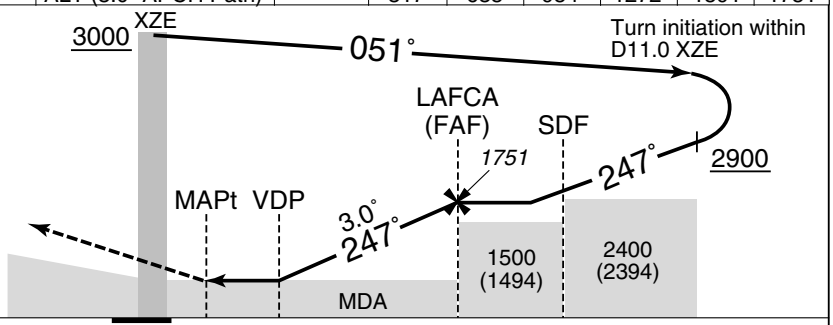


NM to IXZ	MAPt	2	3	4	5	6	FAF
ALT (3.0˚ APCH Path)	–	317	635	954	1272	1591	1751

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

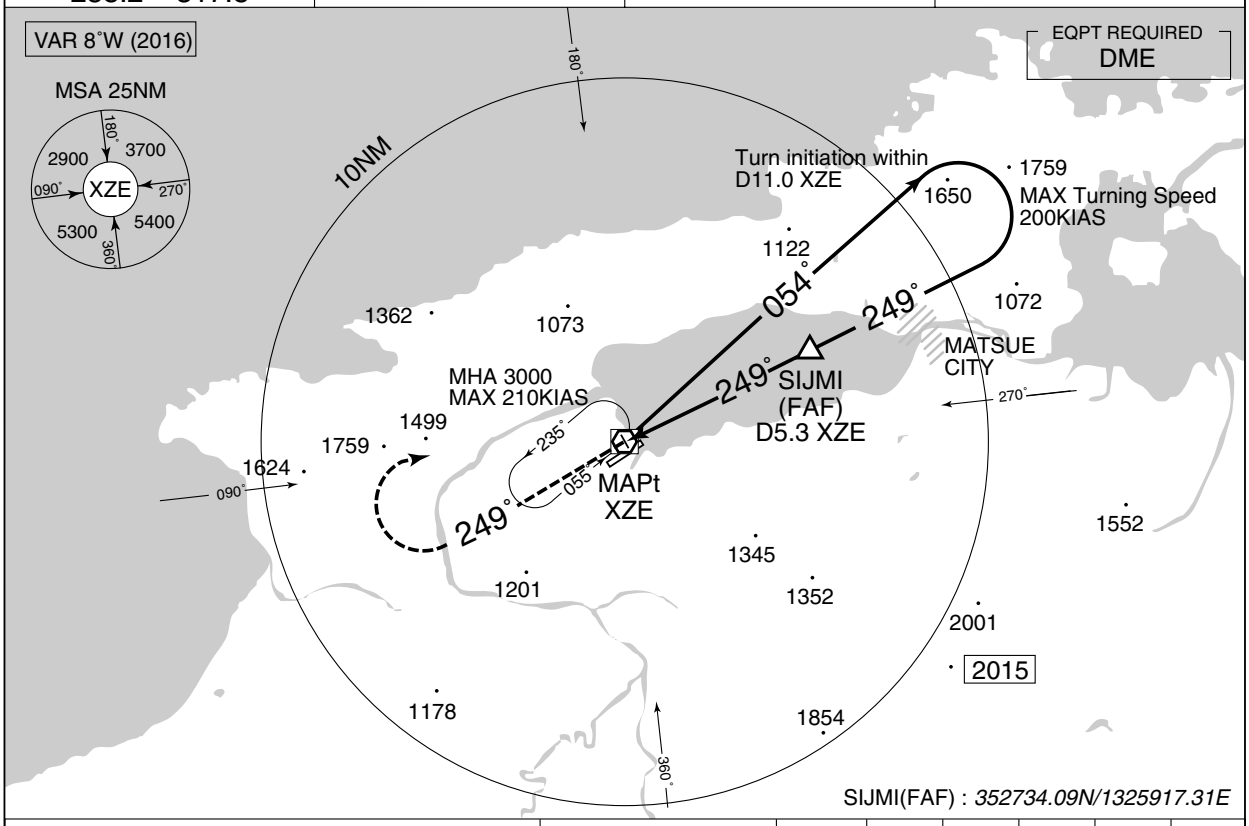
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	270 (264)	800	390 (384)	1600
B			460 (454)	
C			560 (554)	2400
D		1200	630 (624)	3200

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

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	

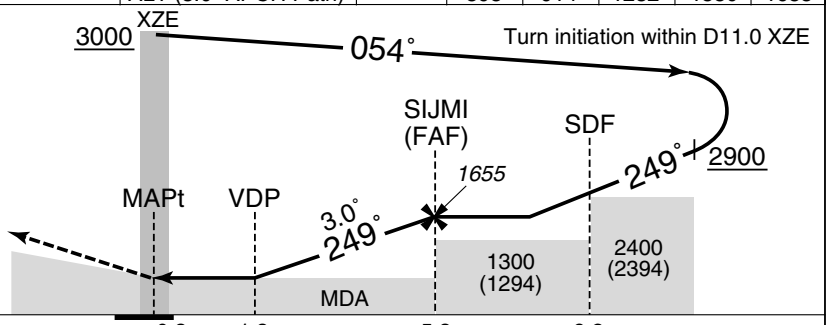


NM to XZE	MAPt	2	3	4	5	FAF
ALT (3.0° APCH Path)	–	595	914	1232	1550	1655

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.

INSTRUMENT APPROACH CHART

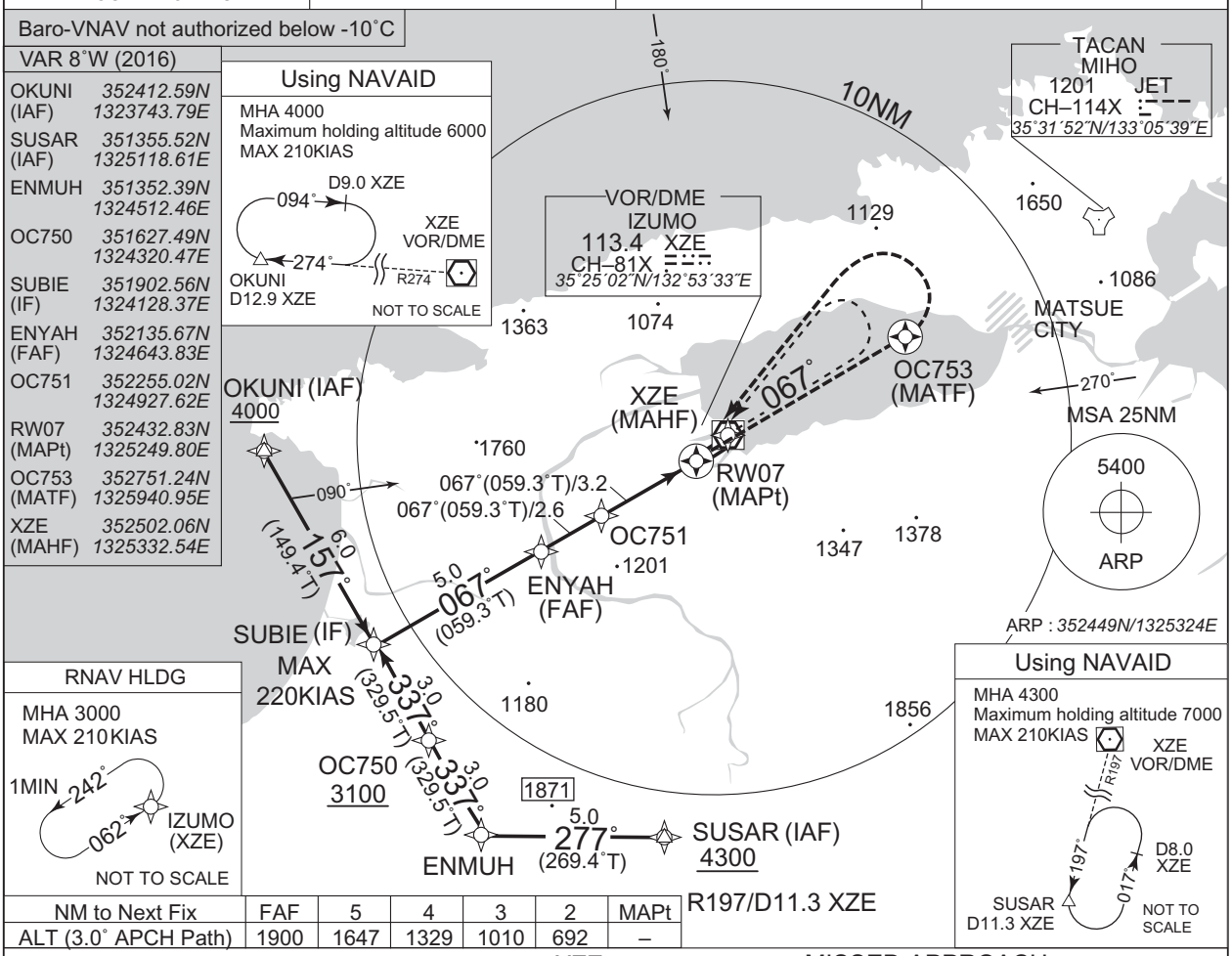
RJOC / IZUMO — RNP RWY07

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

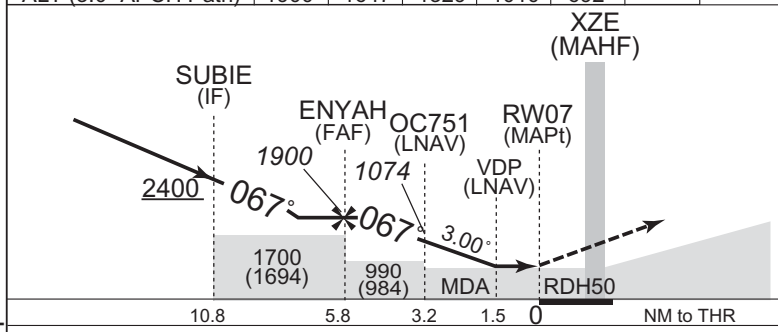
Baro-VNAV not authorized below -10˚C

VAR 8˚W (2016)

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
XZE (MAHF)	352502.06N	1325332.54E



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



MISSED APPROACH

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

(For using VOR/DME)

Climb to 1300FT via XZE R067, turn left, direct to XZE VOR/DME and hold at 3000FT. Contact IZUMO RADIO.

MINIMA — THR elev. 6 — AD elev. 6

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	510 (504)	1500	510 (504)	1500	510 (504)	1600
B						
C		2000		2000	560 (554)	2400
D					630 (624)	3200

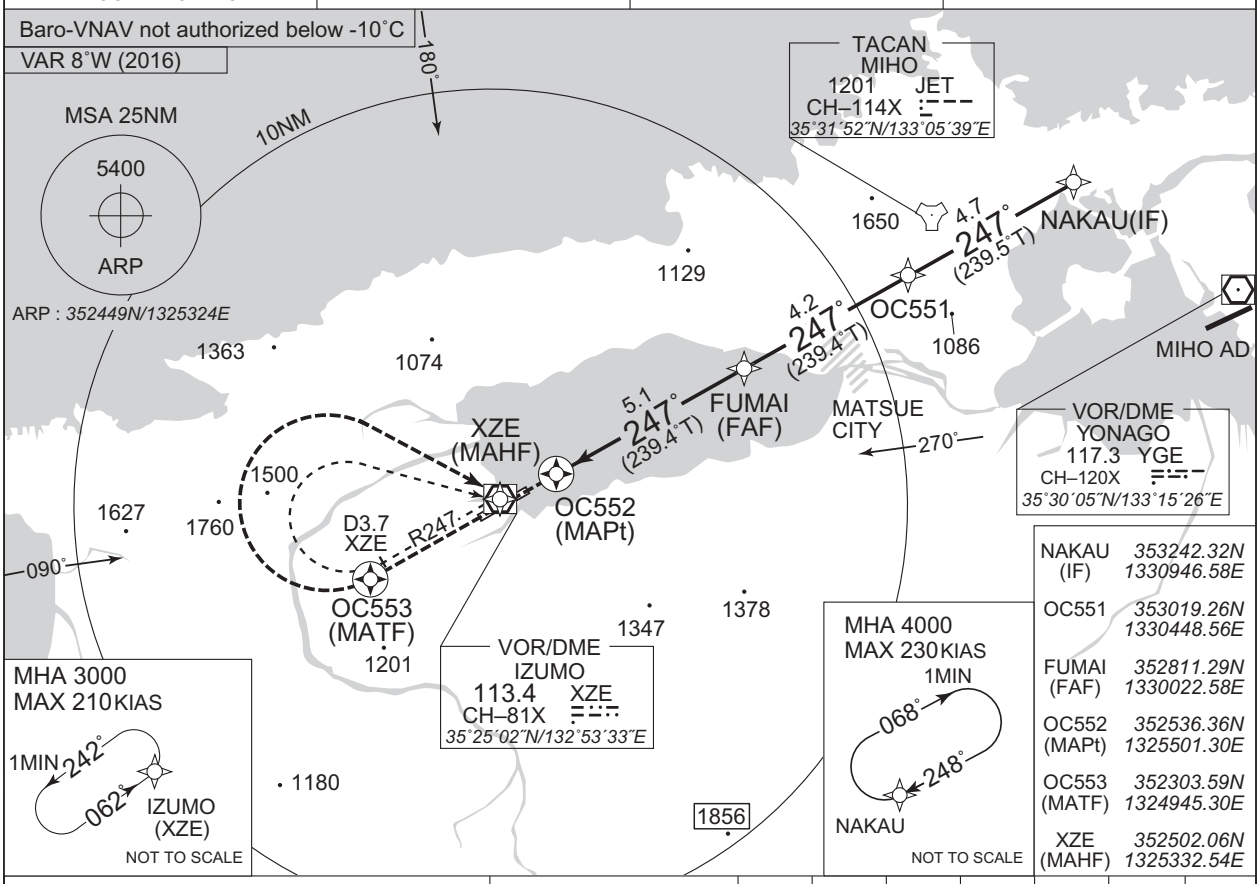
Circling to NORTH side of RWY only.

CHANGE:PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

RJOC / IZUMO — RNP RWY25

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



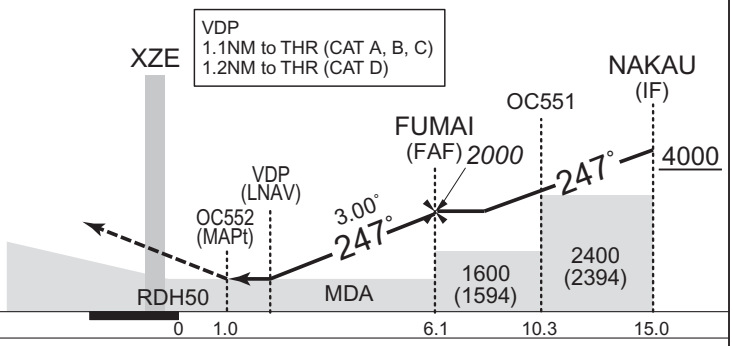
NM to Next Fix	MAPt	1	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	701	1020	1338	1657	1975	2000

MISSED APPROACH

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

(For using VOR/DME)

Climb via XZE R247 to XZE 3.7DME, turn right direct to XZE VOR/DME and hold at 3000FT.
Contact IZUMO RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 6

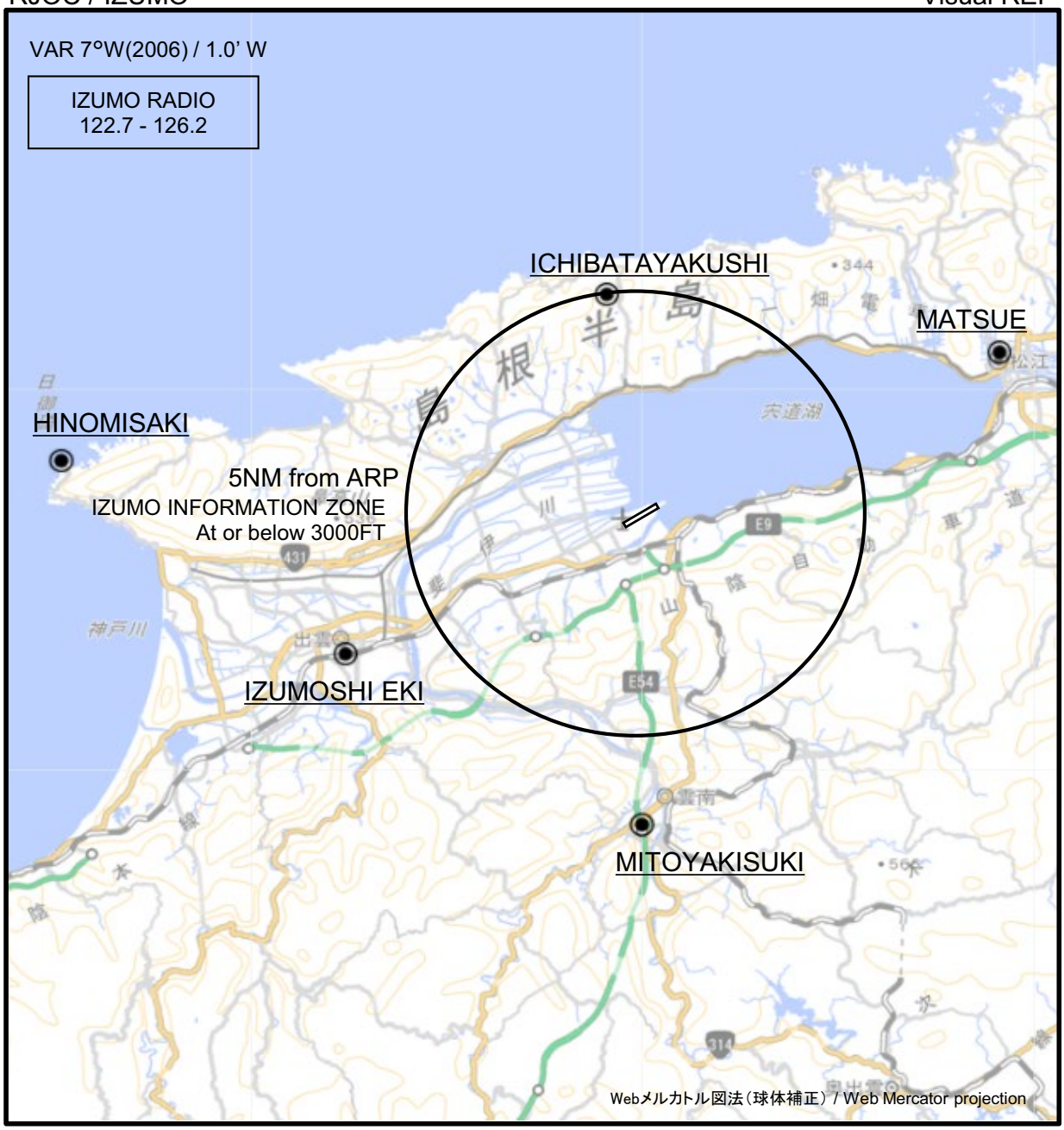
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	400 (385)	900	400 (394)	900	400 (394)	1600
B		1000		1000	460 (454)	
C					560 (554)	2400
D	430 (415)	1400	430 (424)	1400	630 (624)	3200

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

CHANGE:PROC renamed. Requirement for RNP.

RJOC / IZUMO

Visual REP

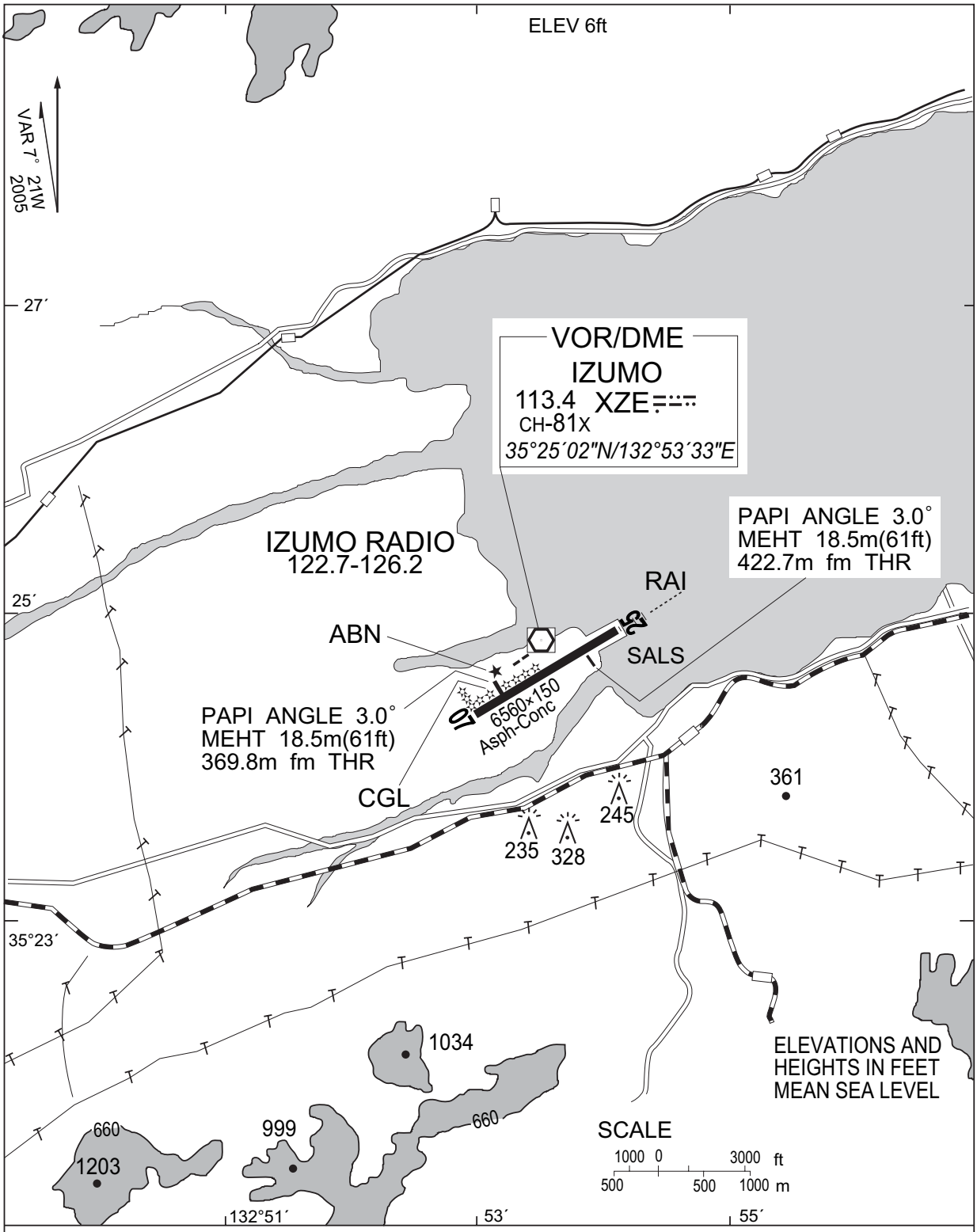


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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

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

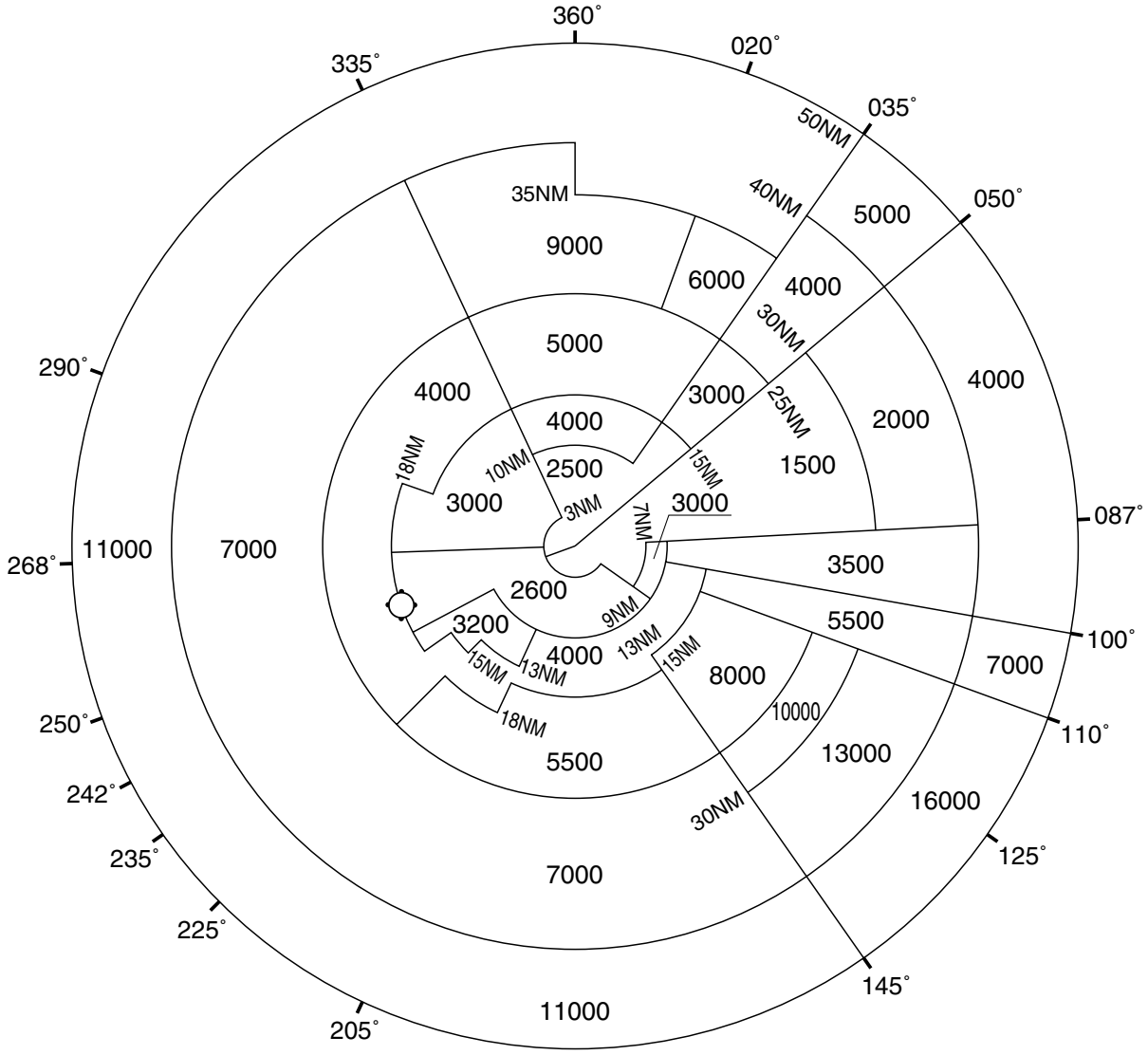
RJOC / IZUMO LDG CHART



RJOC / IZUMO

Minimum Vectoring Altitude CHART

VAR 8˚W (2013)



CENTER : *353003N/1331413E* (RJOH RADAR SITE)