

AD 2 AERODROMES

RORY AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RORY - YORON

RORY AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	270238N/1282406E 034° / 600m FM RWY 14 THR
2	Direction and distance from (city)	1.58km WSW from central Yoron-town
3	Elevation/ Reference temperature	47ft / 32°C(2004-2008)
4	Geoid undulation at AD ELEV PSN	
5	MAG VAR/ Annual change	6°W(2021) / 6°W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	KAGOSHIMA Pref. Public AP. 517, Tachinaga, Yoron-cho, Oshima-gun, Kagoshima Pref. 891-9302, JAPAN TEL: 0997-97-3465 FAX: 0997-97-3545,0997-97-3465
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

RORY AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330 - 0930(APR - SEP) 2330 - 0830(OCT - MAR)
2	Customs and immigration	On request Customs: 099-260-3125 Immigration: 099-222-5658
3	Health and sanitation	Quarantine(human): On request(099-222-8670) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (FUKUOKA)
7	ATS	ATS: 2330 - 0930(APR - SEP) 2330 - 0830(OCT - MAR) Remarks: AFIS provided by Kagoshima Airport Office.
8	Fuelling	2330 - 0930(APR - SEP) 2330 - 0830(OCT - MAR)
9	Handling	2330 - 0930(APR - SEP) 2330 - 0830(OCT - MAR)
10	Security	2330 - 0930(APR - SEP) 2330 - 0830(OCT - MAR)
11	De-icing	Nil
12	Remarks	Nil

RORY AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Not Available
2	Fuel/ oil types	JET-A1
3	Fuelling facilities/ capacity	By fuel truck 4000L/h
4	De-icing facilities	Not Available
5	Hangar space for visiting aircraft	Not Available
6	Repair facilities for visiting aircraft	Not Available
7	Remarks	Nil

RORY AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in the city
2	Restaurants	Available, Not continuous
3	Transportation	Buses, Taxies
4	Medical facilities	Hospitals in the city
5	Bank and Post Office	Bank and Post Office in the city
6	Tourist Office	Not Available
7	Remarks	Nil

RORY AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 6
2	Rescue equipment	Chemical fire fighting truck x 2
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

RORY AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Not applicable
2	Clearance priorities	Not applicable
3	Remarks	Nil

RORY AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface: Asphalt-concrete Strength: PCR 293/F/D/X/T
2	Taxiway width, surface and strength	Width: 18m Surface: Asphalt-concrete Strength: PCR 293/F/D/X/T
3	ACL and elevation	Nil
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RORY 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:(RWY14/32) (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe TWY: (Marking) TWY CL, TWY side stripe, RWY HLDG PSN
3	Stop bars	Nil
4	Remarks	Nil

RORY AD 2.10 AERODROME OBSTACLES

In Area2 Nil

In Area3 To be developed

RORY AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	FUKUOKA
2	Hours of service MET Office outside hours	H24 (FUKUOKA)
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 FUKUOKA
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

RORY 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
14	138.03°	1200x30	PCR 293/F/D/X/T Asphalt-concrete	270252.48N 1282351.44E	THR ELEV : 35.4FT
32	318.03°	1200x30	PCR 293/F/D/X/T Asphalt-concrete	270223.49N 1282420.55E	THR ELEV : 52.2FT
Slope of RWY		Strip Dimensions(M)	RESA(Overrun) Dimensions(M)	Remarks	
7	10	11		14	
See AD2.24. AD chart		1320x120 1320x120	50x120 50x120	RWY Grooving:1200mx20m	

RORY AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
14	1200	1200	1200	1200	Nil
32	1200	1200	1200	1200	Nil

RORY 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
14	Nil	Nil	PAPI 3.0°/LEFT 237M 45FT	Nil	Nil	Nil	Nil	Nil
32	Nil	Nil	PAPI 3.0°/LEFT 286M 45FT	Nil	Nil	Nil	Nil	Nil
Remarks								
10								
RWY THR ID LGT for RWY 14/32 THR(Color : White)								

RORY AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Nil
2	LDI location and LGT Anemometer location and LGT	LDI : Nil Anemometer : RWY center, lighted
3	TWY edge and center line lighting	Nil
4	Secondary power supply / switch-over time	All LGT / Within 15 sec
5	Remarks	WDI LGT

RORY AD 2.16 HELICOPTER LANDING AREA

Nil

RORY 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
Yoron Information Zone	Area within a radius of 5nm(9km) of Yoron ARP excluding area within a radius of 60nm of NHC VORTAC	3,000 or below	E	Yoron Radio En	
Naha ACA	See ROAH attached chart		E	Naha APP En	

RORY AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Naha Approach	124.95MHz 280.1MHz	2330 - 0930 (1 APR - 30 SEP) 2330 - 0830 (1 OCT - 31 MAR)	
AFIS	Yoron Radio	118.3MHz	2330 - 0930 (1 APR - 30 SEP) 2330 - 0830 (1 OCT - 31 MAR)	Operated by Kagoshima Airport Office.

RORY 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 (5°W / 2008)	YRE	112.25MHz	2330 - 0930(1) 2330 - 0830(2)	270239.75N/ 1282352.89E		(1)(1 APR - 30 SEP) (2)(1 OCT - 31 MAR)
DME	YRE	1146MHz (CH-59Y)	2330 - 0930(1) 2330 - 0830(2)	270239.75N/ 1282352.89E	74ft	
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based

RORY AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Nil

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

RORY AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RORY 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	14	A,B,C	-	-	-	0'-400m	-	0'-500m			
	32					200'-1600m		200'-1600m			
OTHER	14	A,B,C	AVBL LDG MINIMA								
	32										

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

If radio communications with Naha Approach are lost for one minute, squawk Mode A/3 Code 7600 and;

- 1) Contact Yoron Radio.
- 2) If unable, proceed in accordance with Visual Flight Rules.
- 3) If unable, proceed to Yoron VOR at the last assigned altitude, or 2,000 feet whichever is higher, and execute instrument approach.

NOTE: Procedures other than above will be issued when situation requires.

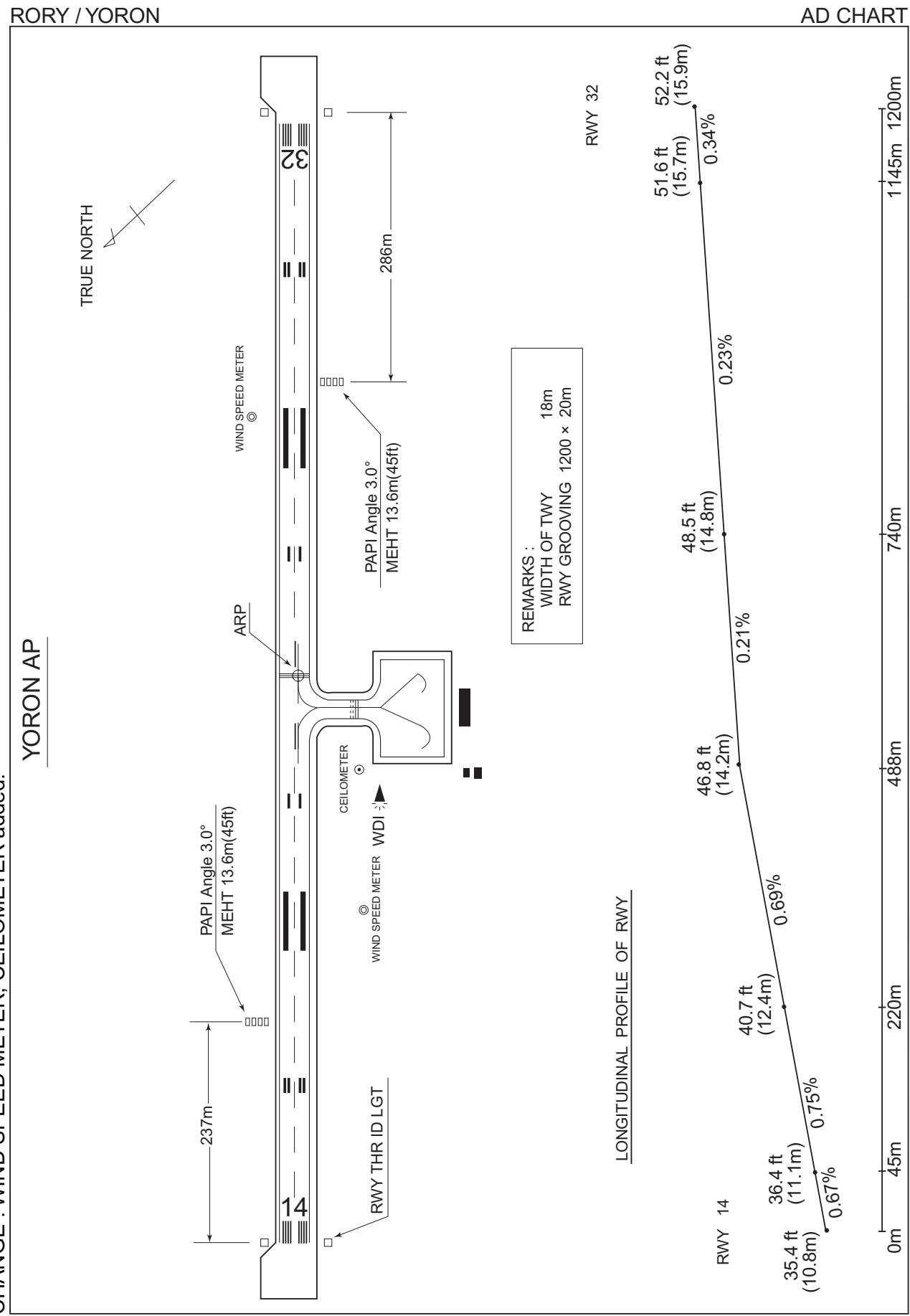
RORY AD 2.23 ADDITIONAL INFORMATION

Nil

RORY AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
 Standard Departure Chart - Instrument (YORON REVERSAL)
 Standard Departure Chart - Instrument (ERABU-RNAV)
 Standard Departure Chart - Instrument (MEKAX-RNAV)
 Standard Departure Chart - Instrument (TOMORI-RNAV)
 Instrument Approach Chart (VOR RWY14)
 Instrument Approach Chart (VOR RWY32)
 Instrument Approach Chart (RNP RWY14)
 Instrument Approach Chart (RNP RWY32)
 Other Chart (Visual REP)
 Other Chart (LDG CHART)
 Other Chart (MVA CHART)

CHANGE : WIND SPEED METER, CEILOMETER added.



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

SID

CHANGE : OKUMA ONE DEPARTURE abolished. PROC renamed(YORON REVERSAL THREE DEPARTURE). PROC course. NOTE.

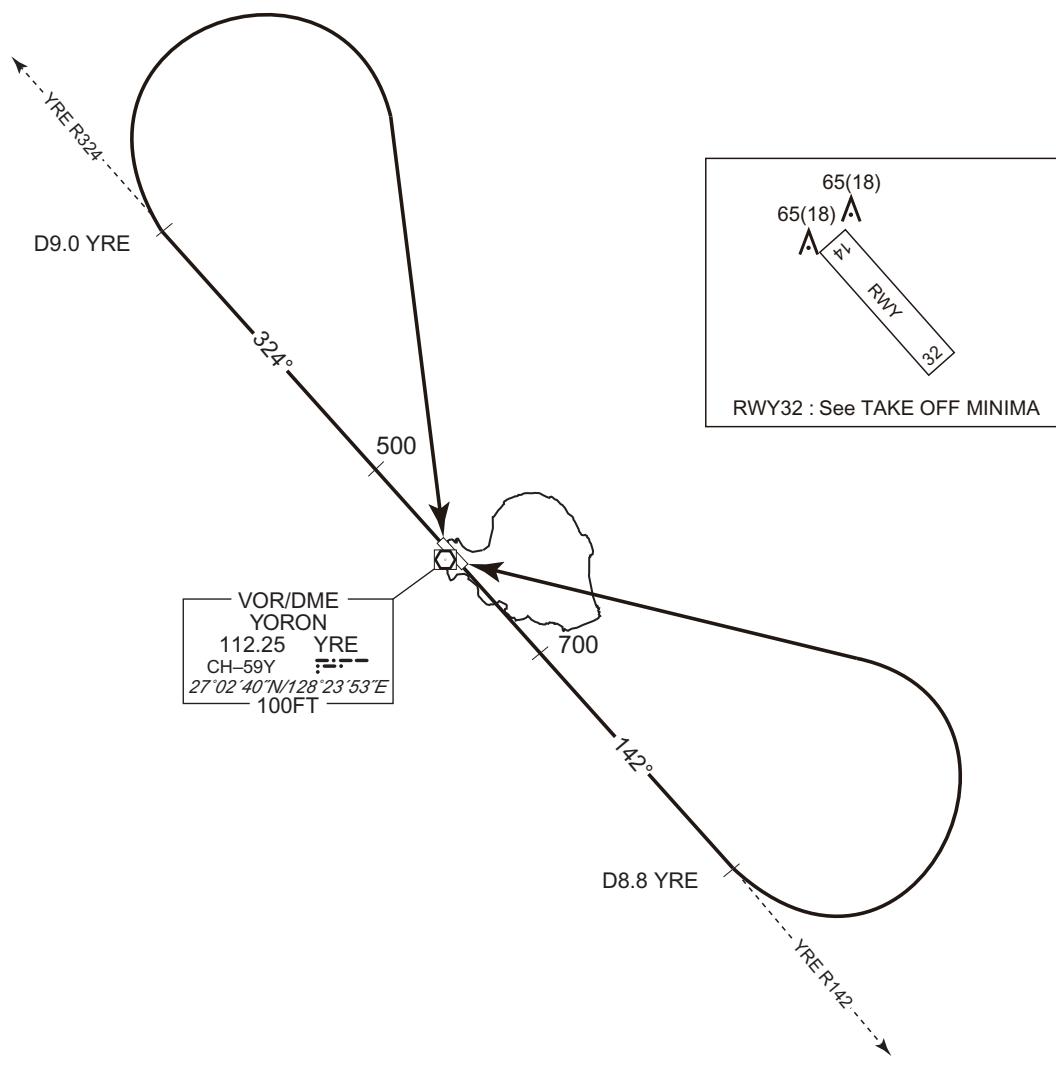
YORON REVERSAL THREE DEPARTURE

RWY14 : Climb RWY HDG until 700FT, climb via YRE R142 to 8.8DME, turn left...

RWY32 : Climb RWY HDG until 500FT, climb via YRE R324 to 9.0DME, turn right...
...direct to YRE VOR/DME.

Note : RWY14 : 5.0% climb gradient required up to 700FT.

OBST ALT 353FT located at 1.5NM 127° FM end of RWY14.



STANDARD DEPARTURE CHART-INSTRUMENT

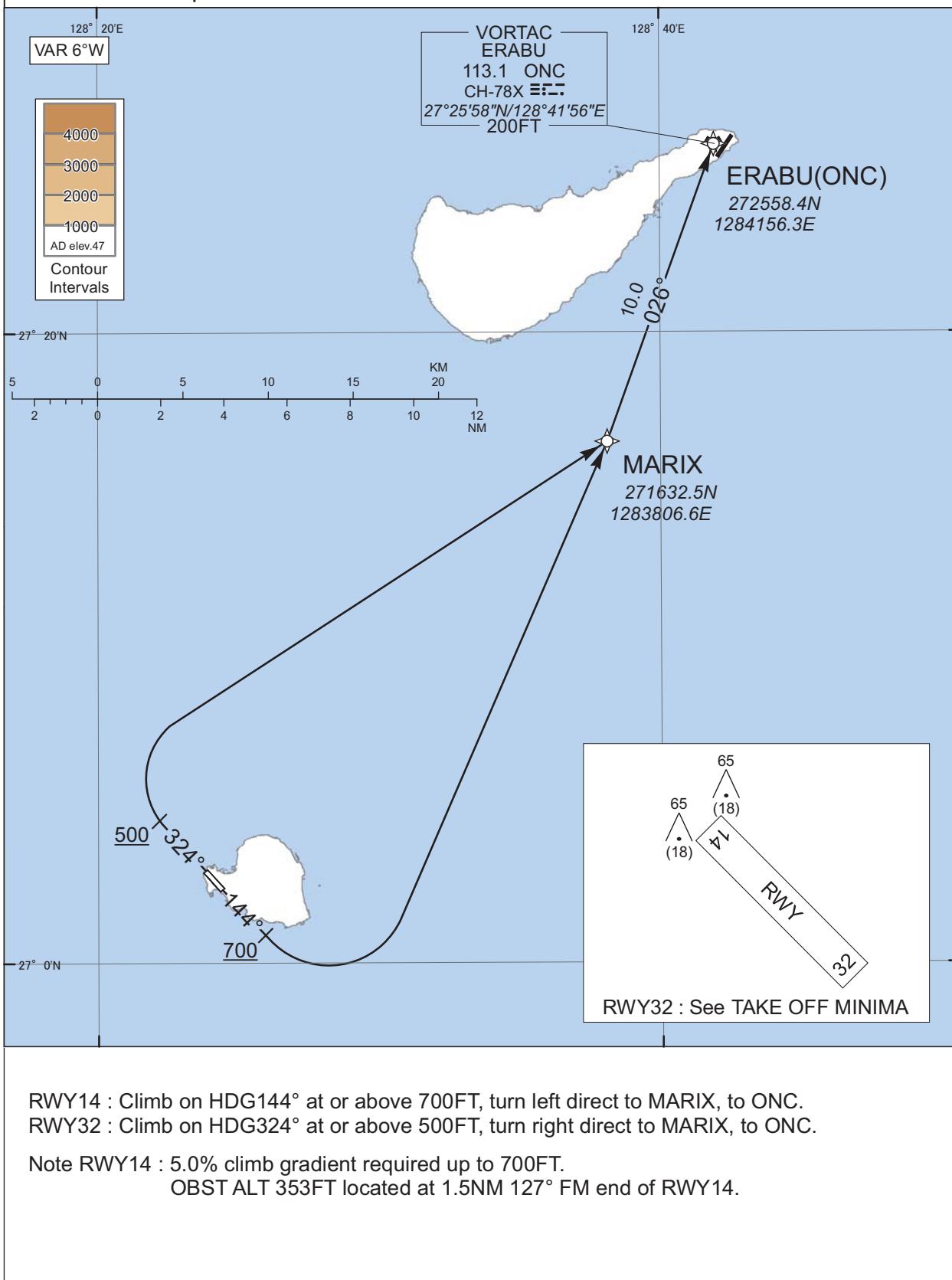
RORY / YORON

RNAV SID

ERABU ONE DEPARTURE

RNP1

Note GNSS required.



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

RNAV SID

ERABU ONE DEPARTURE

RWY14

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	-	-	144 (138.2)	-6.0	-	-	+700	-	-	RNP1
002	DF	MATRIX	-	-	-6.0	-	L	-	-	-	RNP1
003	TF	ONC	-	026 (019.8)	-6.0	10.0	-	-	-	-	RNP1

RWY32

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	-	-	324 (318.2)	-6.0	-	-	+500	-	-	RNP1
002	DF	MATRIX	-	-	-6.0	-	R	-	-	-	RNP1
003	TF	ONC	-	026 (019.8)	-6.0	10.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

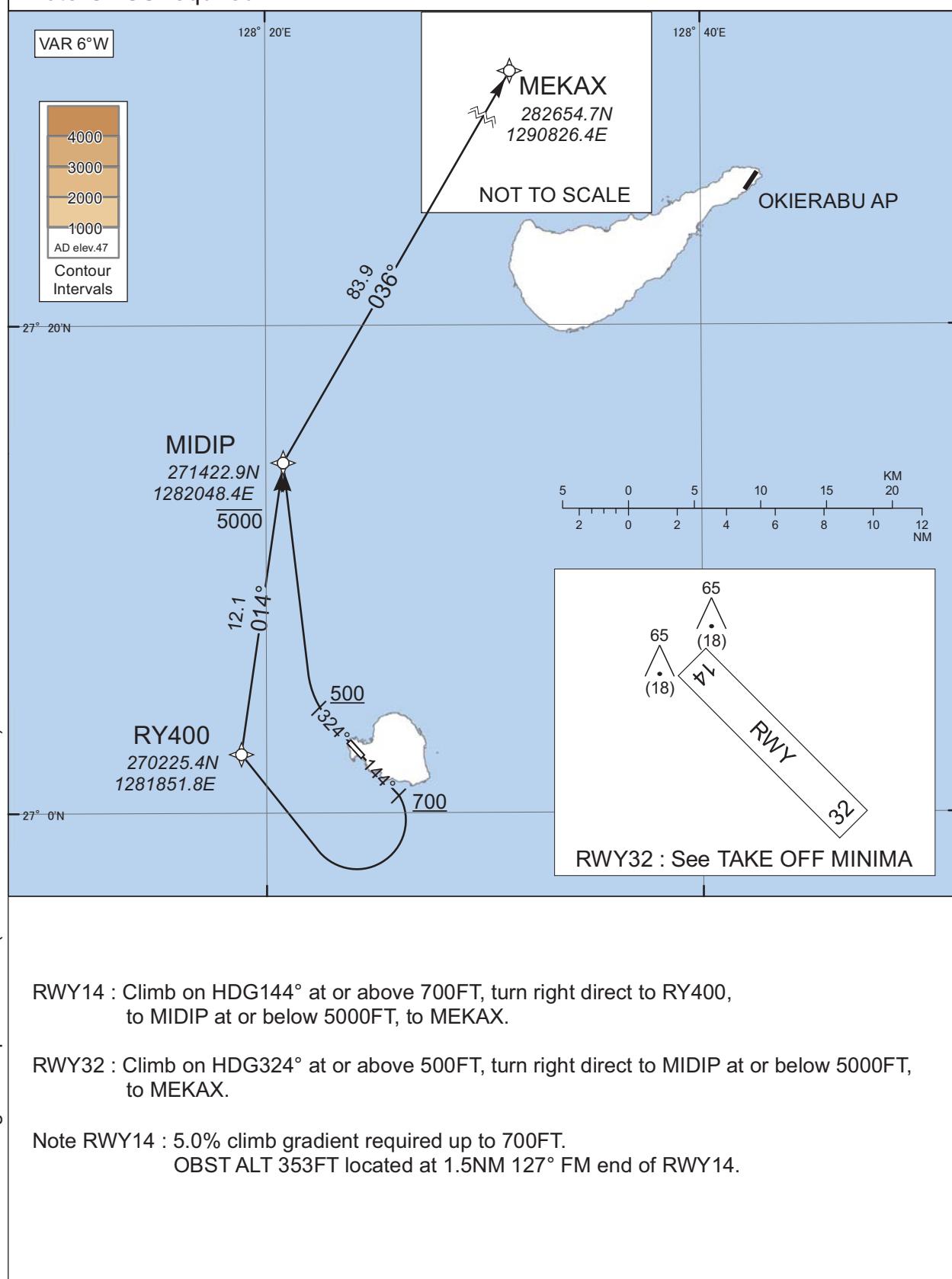
RORY / YORON

RNAV SID

MEKAX ONE DEPARTURE

RNP1

Note GNSS required.



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

RNAV SID

MEKAX ONE DEPARTURE

RWY14

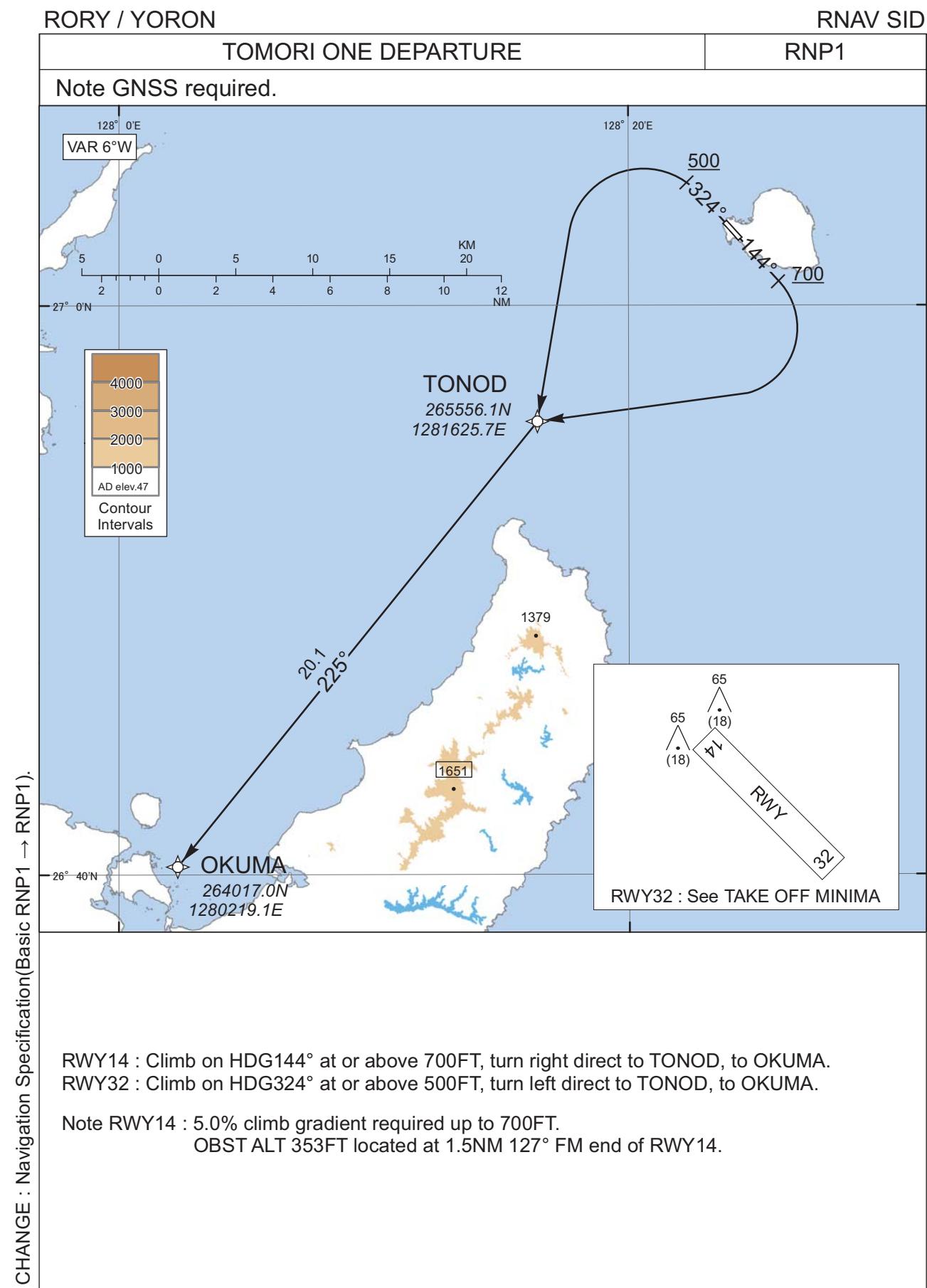
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	144 (138.2)	-6.0	-	-	+700	-	-	RNP1
002	DF	RY400	-	-	-6.0	-	R	-	-	-	RNP1
003	TF	MIDIP	-	014 (008.2)	-6.0	12.1	-	-5000	-	-	RNP1
004	TF	MEKAX	-	036 (030.0)	-6.0	83.9	-	-	-	-	RNP1

RWY32

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	-	-	324 (318.2)	-6.0	-	-	+500	-	-	RNP1
002	DF	MIDIP	-	-	-6.0	-	R	-5000	-	-	RNP1
003	TF	MEKAX	-	036 (030.0)	-6.0	83.9	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

RNAV SID

TOMORI ONE DEPARTURE

RWY14

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	-	-	144 (138.2)	-6.0	-	-	+700	-	-	RNP1
002	DF	TONOD	-	-	-6.0	-	R	-	-	-	RNP1
003	TF	OKUMA	-	225 (218.9)	-6.0	20.1	-	-	-	-	RNP1

RWY32

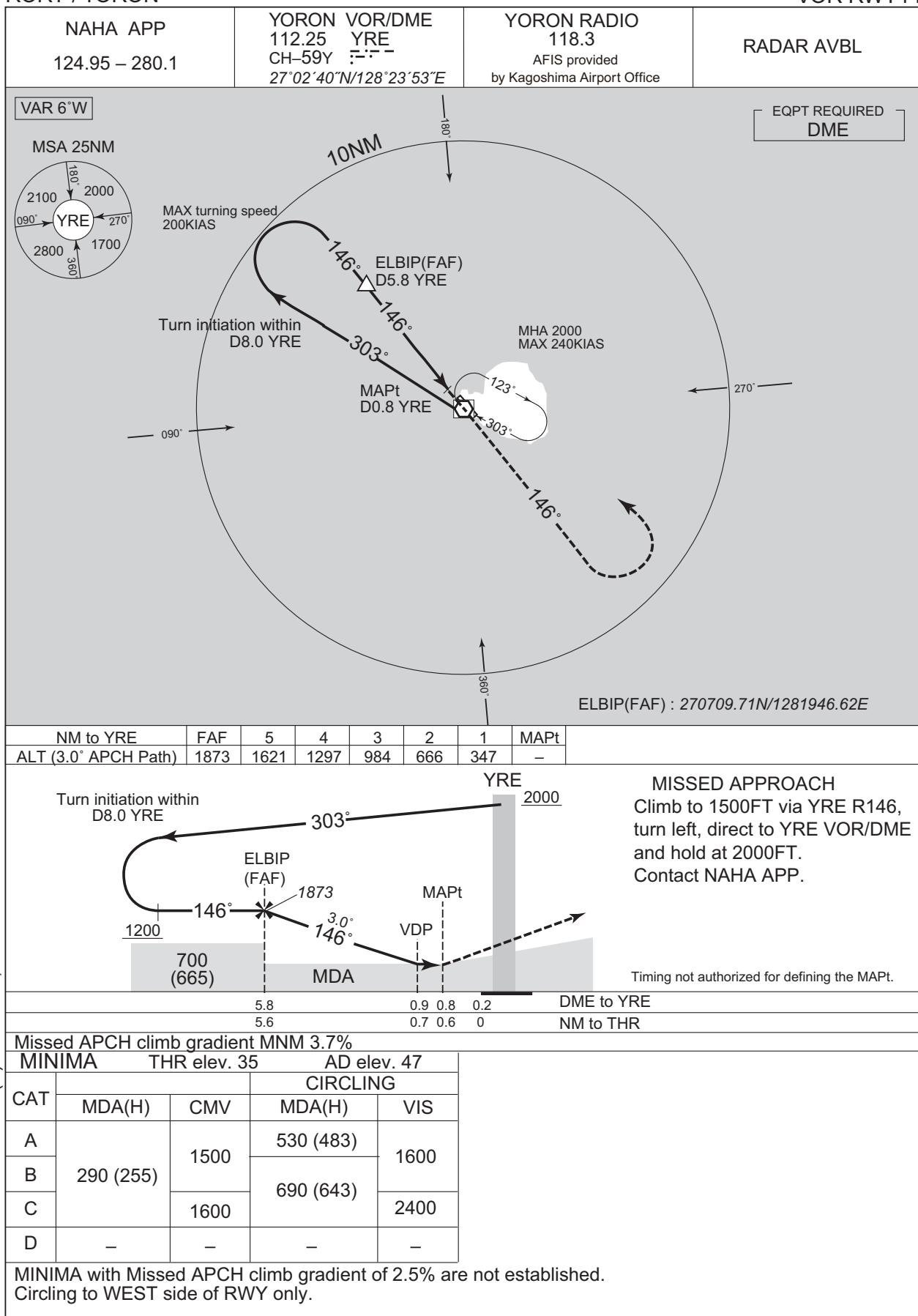
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	324 (318.2)	-6.0	-	-	+500	-	-	RNP1
002	DF	TONOD	-	-	-6.0	-	L	-	-	-	RNP1
003	TF	OKUMA	-	225 (218.9)	-6.0	20.1	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RORY / YORON

VOR RWY14



CHANGE : CIRCLING MDA(H) for CAT B, C.

INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY14

NAHA APP
124.95 – 280.1

RNP APCH
MSAS CH89546
M14A

YORON RADIO
118.3
AFIS provided
by Kagoshima Airport Office

RADAR AVBL

Baro-VNAV not authorized below 5°C

RNAV HLDG

VAR 6°W
MSA 25NM
2800 ARP

1 0 1 2 3 4 5 6 7 8 9 10
1 0 1 2 3 4 5 NM

128° 20'E
128° 30'E

108° 081° 10NM 7.9 276° (270.2°T)
OVNON ASATO(IF) MAX 210KIAS

27° 10'N
VEMBU(IF) MAX 165KIAS
ASATO (IAF) MAX 210KIAS
UPNAX 1300
GUMRI (FAF)
RY453(MAPt)
YORON(YRE) (IAF/MAHF) MAX 210KIAS
RY454 (MATF)
YORON(YRE) 270239.75N (IAF/MAHF) 1282352.89E
ASATO (IAF) 271054.18N 1283014.69E
UPNAX 270721.89N 1282455.61E
OVNON 271055.78N 1282120.57E
VEMBU 270826.71N 1281815.42E
GUMRI 270529.18N 1282114.00E
RY453 270314.92N 1282328.90E
RY454 270033.96N 1282610.48E

RNAV HLDG
NOT TO SCALE
YORON (YRE) 124° 1MIN
MHA 3000 MAX 210KIAS
Using NAVAID
NOT TO SCALE
VOR/DME YORON 112.25 YRE 1200
CH-59Y 27° 02'40"N/128° 23'53"E
MHA 3000 MAX 210KIAS
Contour Intervals
2000
1500
1000
500
AD elev.47
NM to Next Fix FAF 2 1 MAPt
ALT(3.0°APCH Path) 1200 881 563 -

MISSED APPROACH
Direct to RY454, turn left direct to YRE and hold at 3000FT. Contact NAHA APP.

VDP
0.2NM to MAPt

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 35		AD elev. 47				
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	285(250)	1500	300(265)	1500	300(265)	1500	530(483)	
B							1600	1600
C	-	-	-	-	-	-	2400	
D	-	-	-	-	-	-	-	

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

INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY14

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00421
SBAS service provider identifier	2	FPAP latitude	270211.4935N
Airport identifier	RORY	FPAP longitude	1282432.5860E
Runway	14	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	M14A	△ length offset	0496
LTP/FTP latitude	270252.4555N	HAL	40.0
LTP/FTP longitude	1282351.4800E	VAL	50.0
CRC remainder	B6A26D6F		

Required additional data

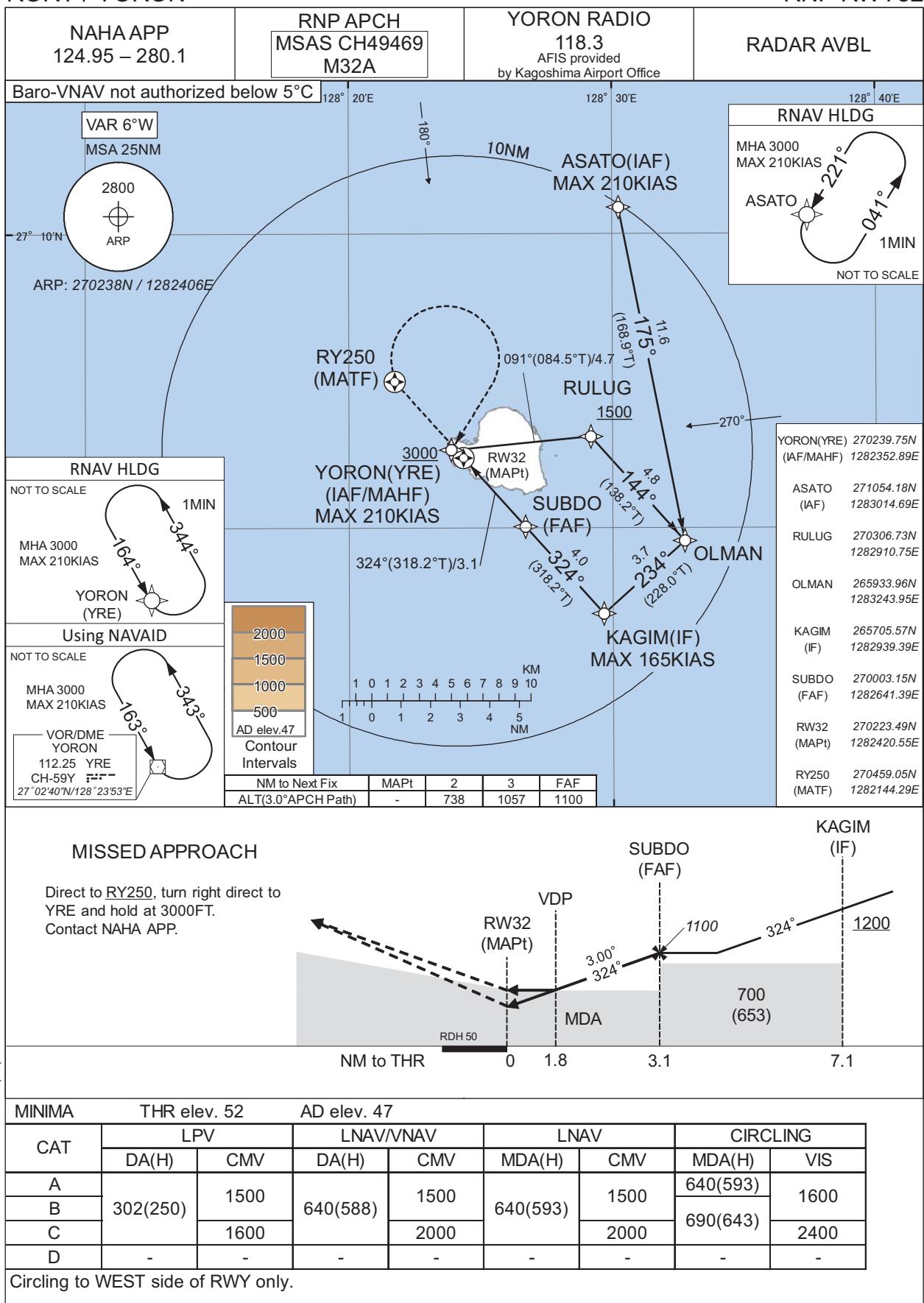
LTP/FTP orthometric height	10.7
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CHANGE : FAS DATA BLOCK ITEM and Required additional data ITEM established.

INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY32



INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY32

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00472
SBAS service provider identifier	2	FPAP latitude	270304.4175N
Airport identifier	RORY	FPAP longitude	1282339.4735E
Runway	32	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	M32A	Δ length offset	0496
LTP/FTP latitude	270223.4560N	HAL	40.0
LTP/FTP longitude	1282420.5825E	VAL	50.0
CRC remainder	977D3979		

Required additional data

LTP/FTP orthometric height	15.8
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CHANGE : FAS DATA BLOCK ITEM and Required additional data ITEM established.

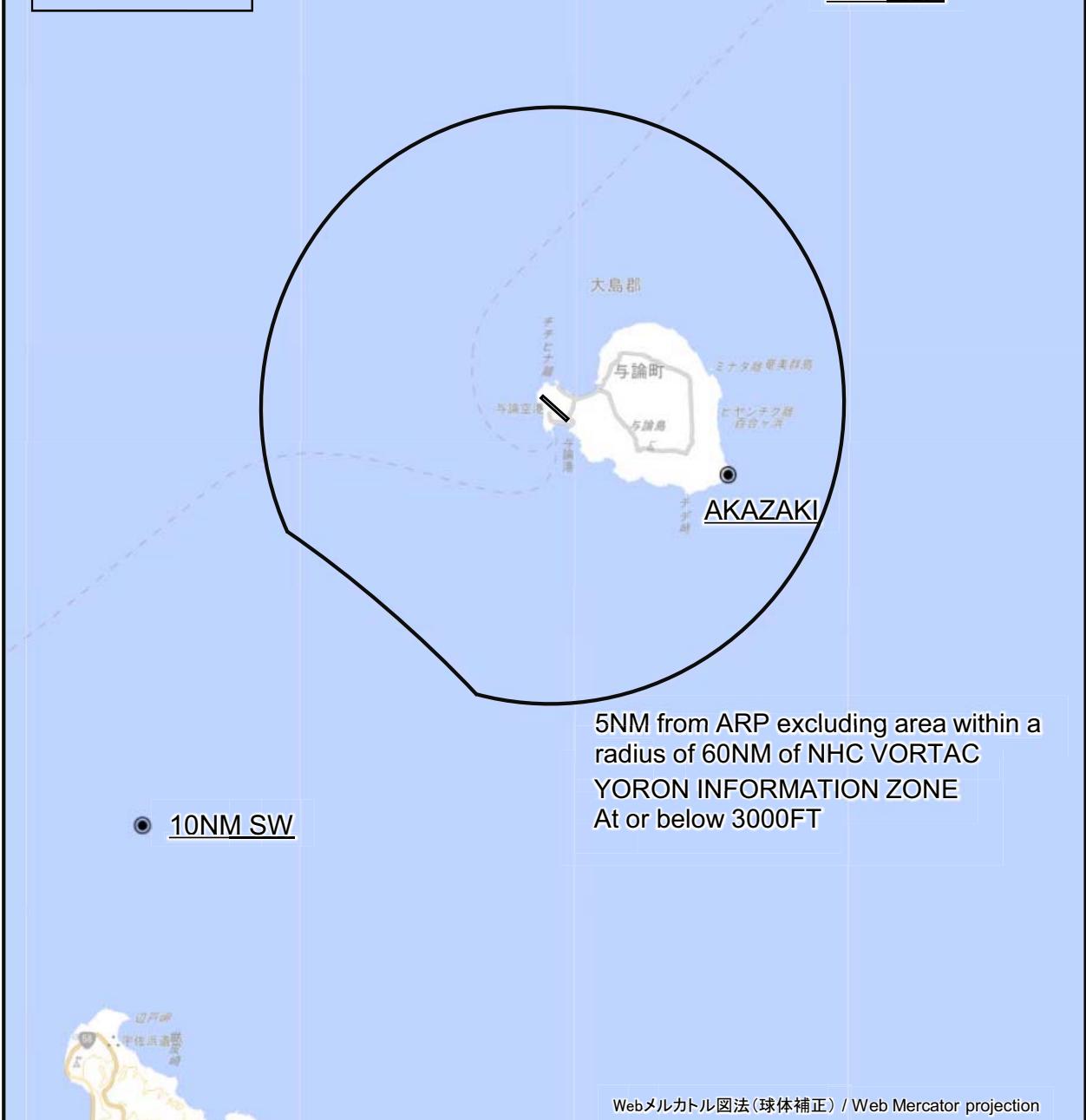
RORY / YORON

Visual REP

VAR 6°W(2021) / 6'W

YORON RADIO
118.3

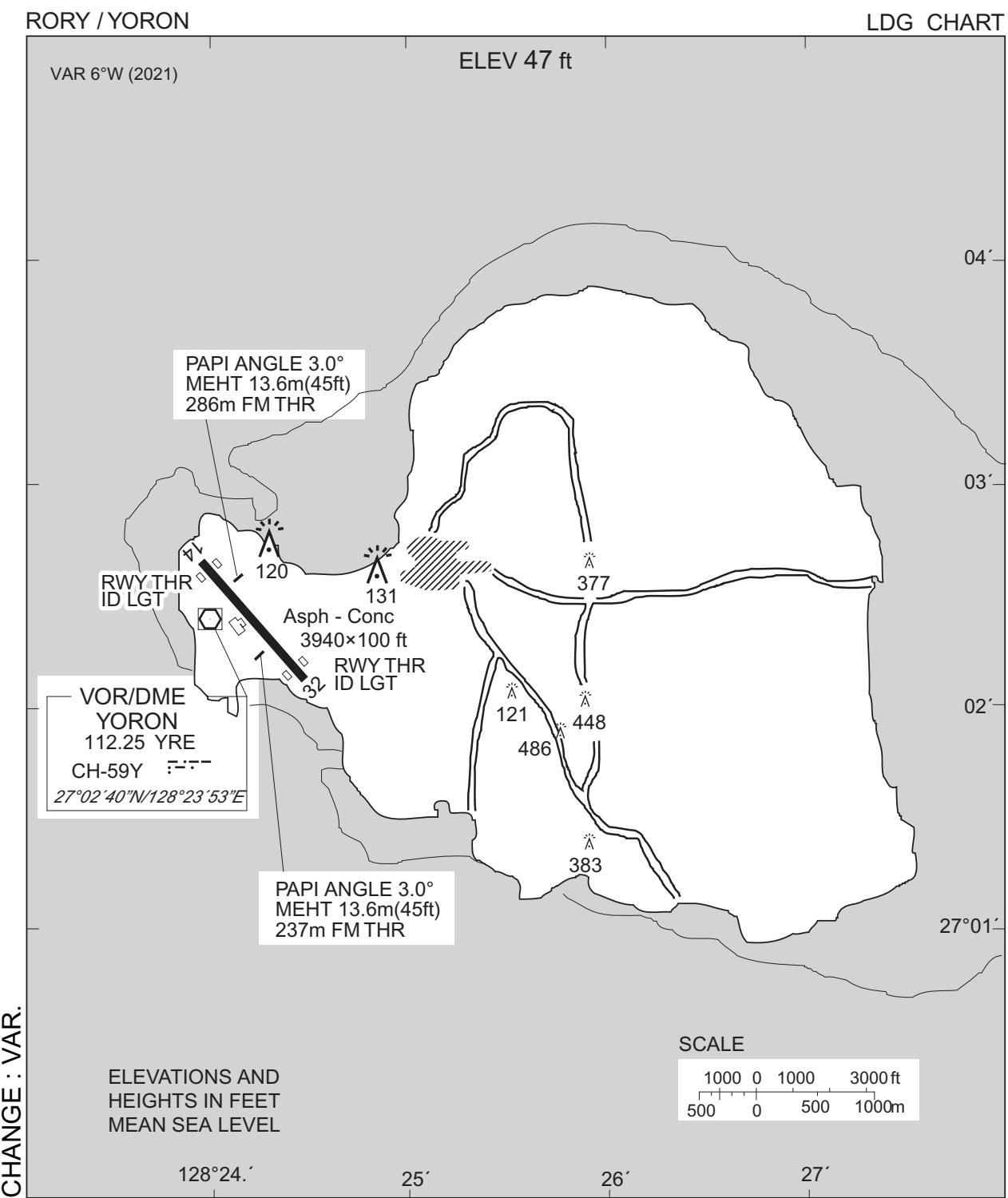
10NM NE ◎



※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
10NM NE	045°T / 10.0NM	海上 Over the sea
赤崎 Akazaki	111°T / 3.2NM	灯台 Lighthouse
10NM SW	225°T / 10.0NM	海上 Over the sea



RORY / YORON

Minimum Vectoring Altitude CHART

