

## 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 <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /T <sub>r</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> , P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , 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°	1200×30	PCR 293/F/D/X/T Asphalt-concrete	270252.48N 1282351.44E	THR ELEV : 35.4FT
32	318.03°	1200×30	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		1320×120	50×120	RWY Grooving:1200m×20m	
		1320×120	50×120		

## 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
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## 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

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**RORY AD 2.20 LOCAL TRAFFIC REGULATIONS**

1. Airport regulations

Nil
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2. Taxiing to and from stands

Nil
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3. Parking area for small aircraft(General aviation)

Nil
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4. Parking area for helicopters

Nil
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5. Apron - taxiing during winter conditions

Nil
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6. Taxiing - limitations

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

Nil
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8. Helicopter traffic - limitation

Nil
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9. Removal of disabled aircraft from runways

Nil
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RORY AD 2.21 NOISE ABATEMENT PROCEDURES

Nil
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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
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RORY AD 2.24 CHARTS RELATED TO AN AERODROME

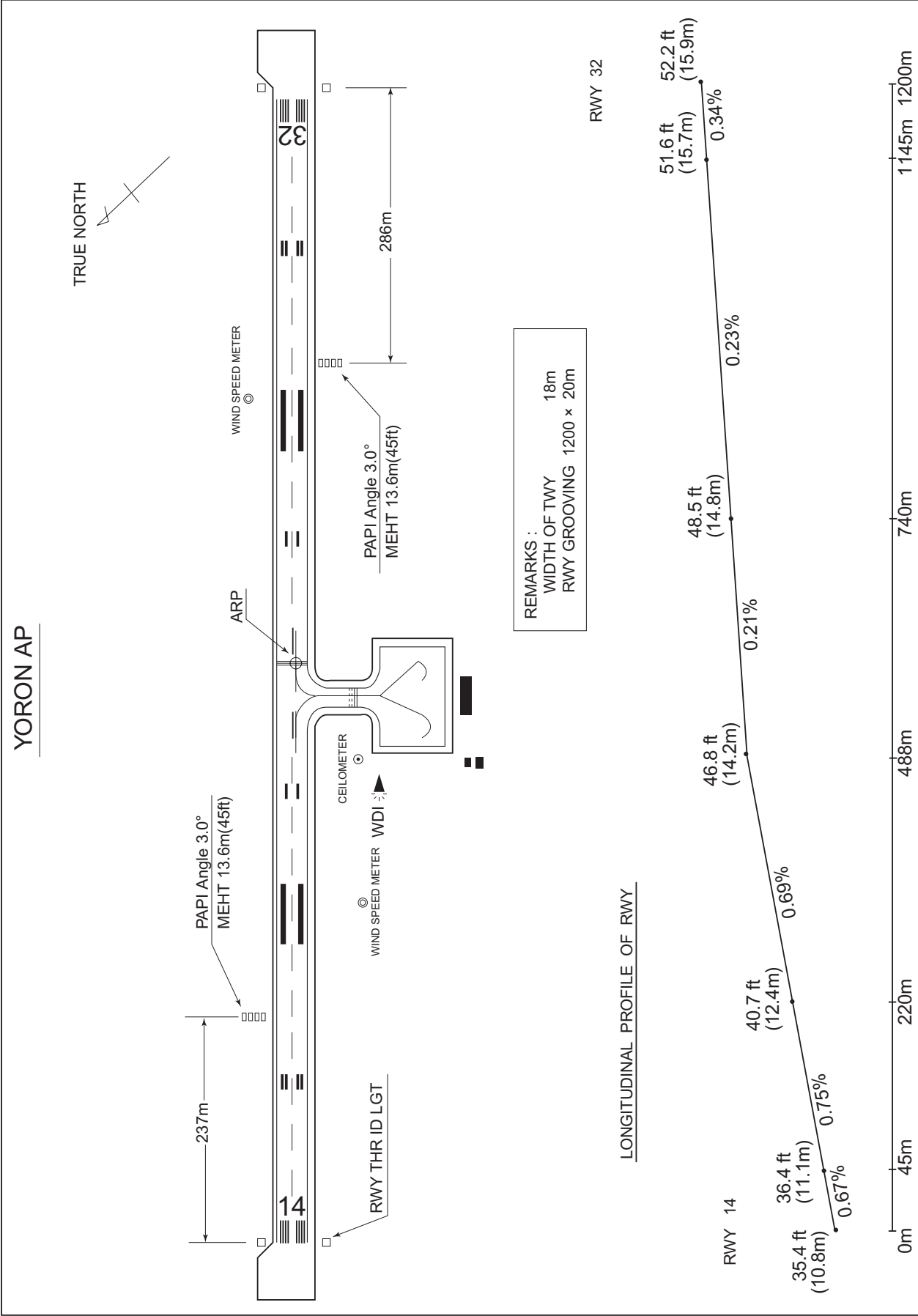
Aerodrome/Heliport Chart Standard Departure Chart - Instrument (YORON REVERSAL) Standard Departure Chart - Instrument (ERABU-RNAV) Standard Departure Chart - Instrument (MEKAX-RNAV) Standard Departure Chart - Instrument (TOMORI-RNAV) Instrument Approach Chart (VOR RWY14) Instrument Approach Chart (VOR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

AD CHART

CHANGE : WIND SPEED METER, CEILOMETER added.



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

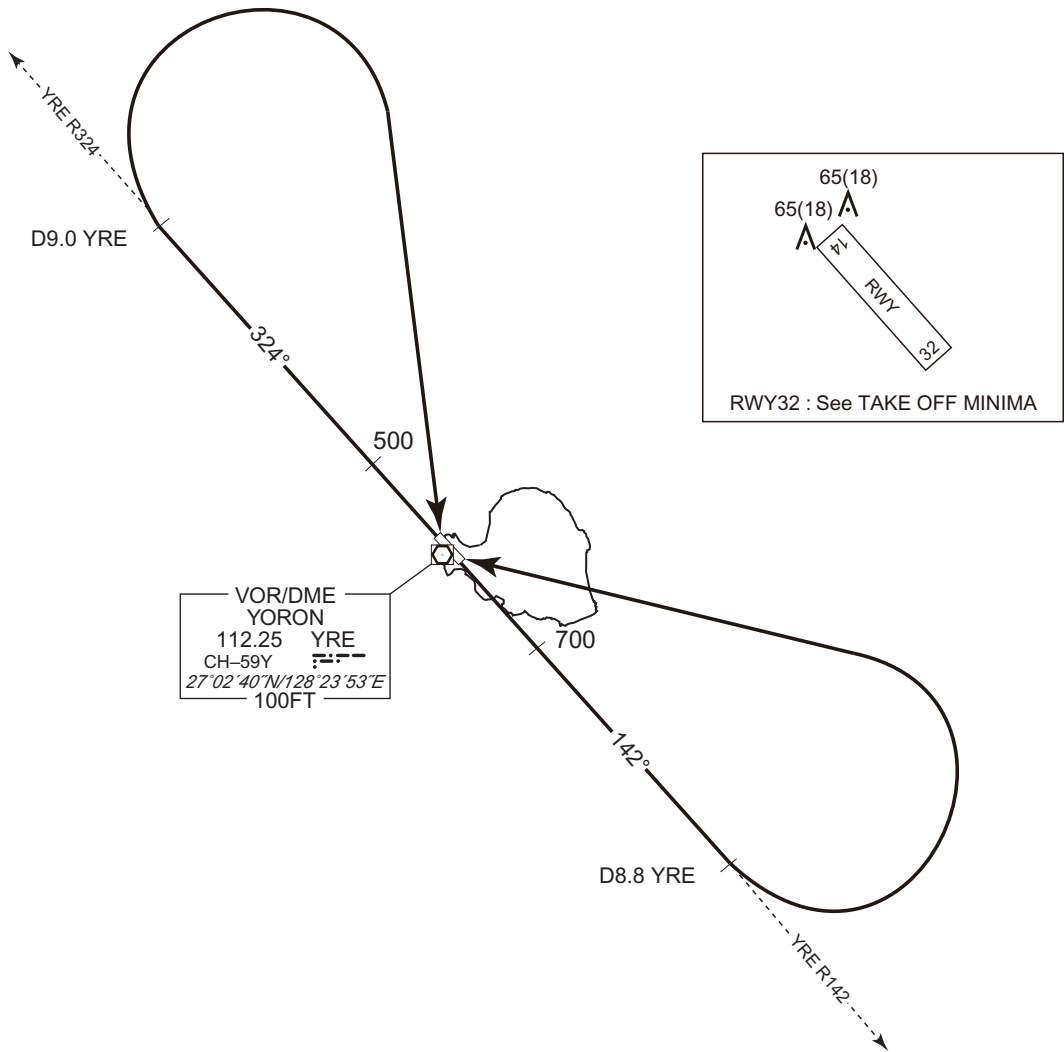
SID

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

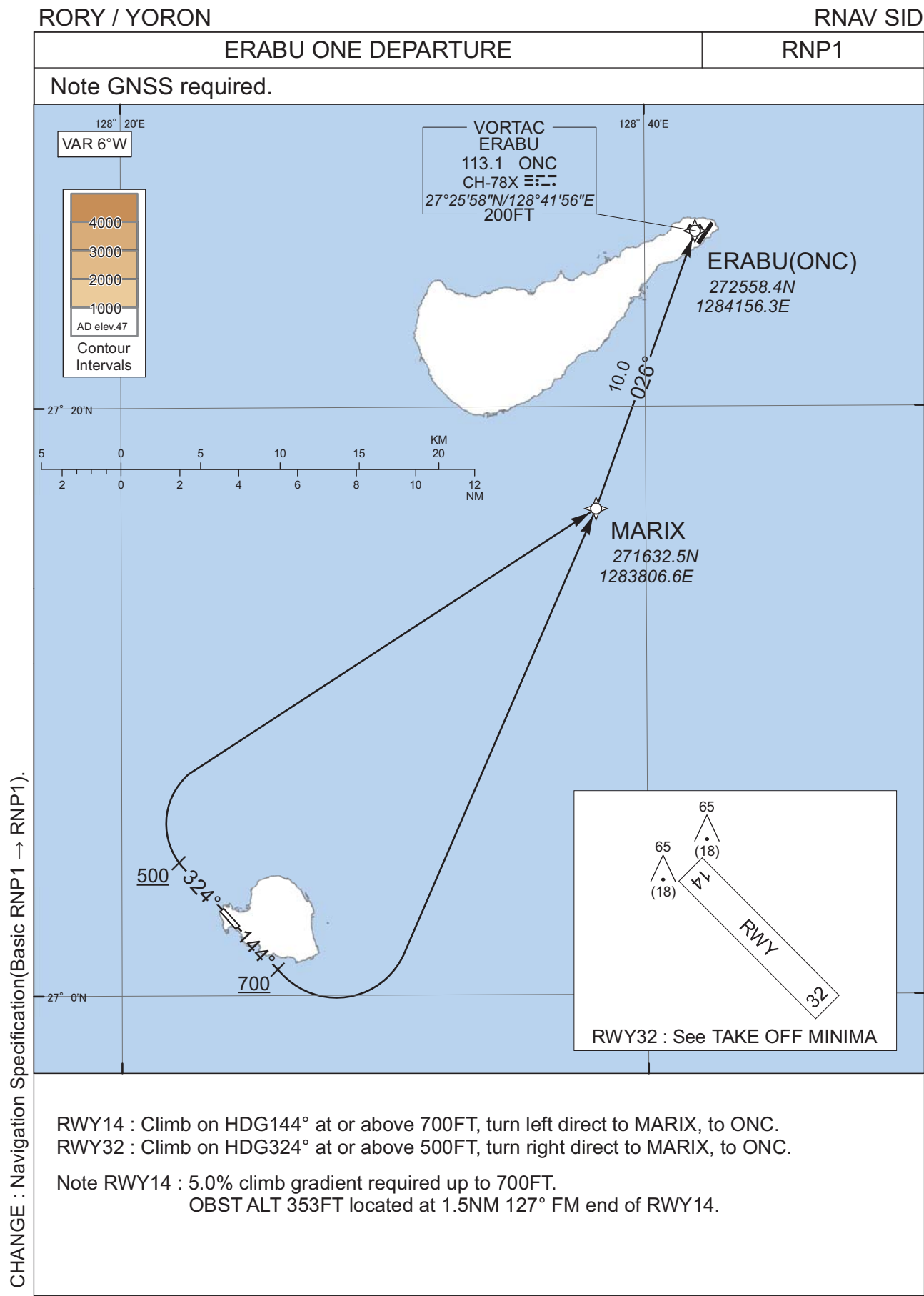
YORON REVERSAL THREE DEPARTURE

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



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

RNAV SID

ERABU ONE DEPARTURE

RWY14

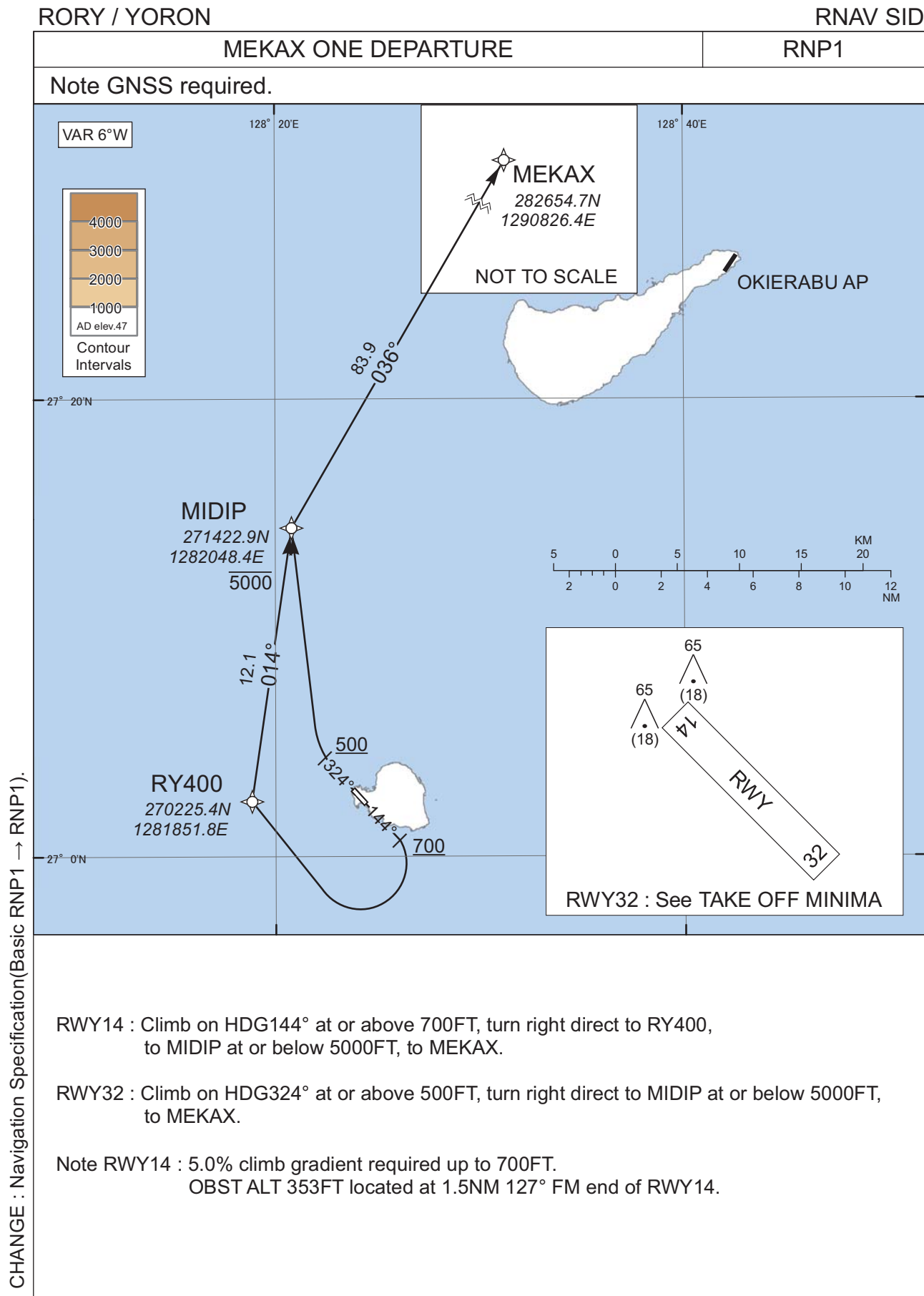
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	144 (138.2)	-6.0	-	-	+700	-	-	RNP1
002	DF	MARIX	-	-	-6.0	-	L	-	-	-	RNP1
003	TF	ONC	-	026 (019.8)	-6.0	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	MARIX	-	-	-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



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

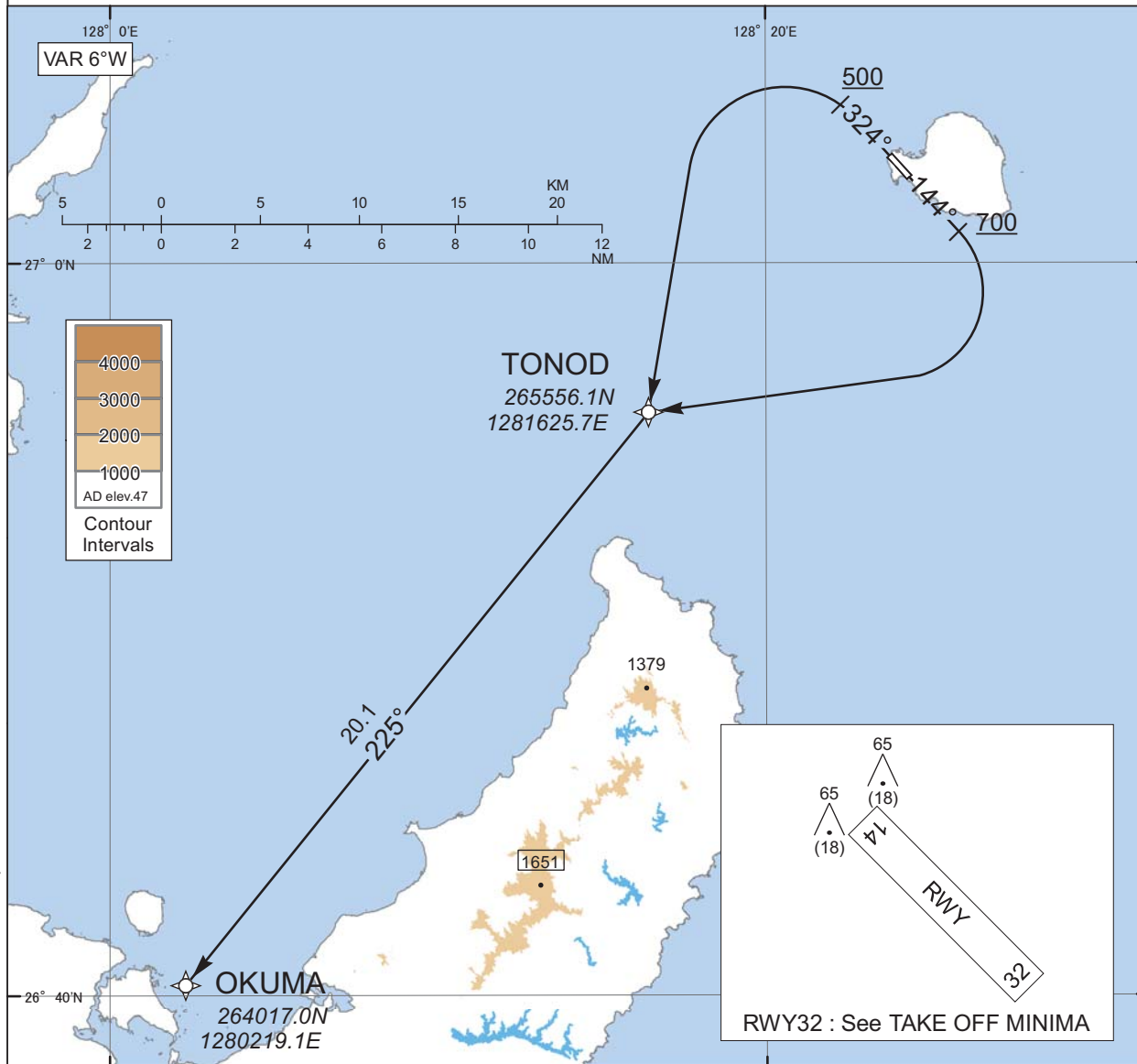
RORY / YORON

RNAV SID

TOMORI ONE DEPARTURE

RNP1

Note GNSS required.



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

RWY14 : Climb on HDG144° at or above 700FT, turn right direct to TONOD, to OKUMA.  
 RWY32 : Climb on HDG324° at or above 500FT, turn left direct to TONOD, to OKUMA.

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

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

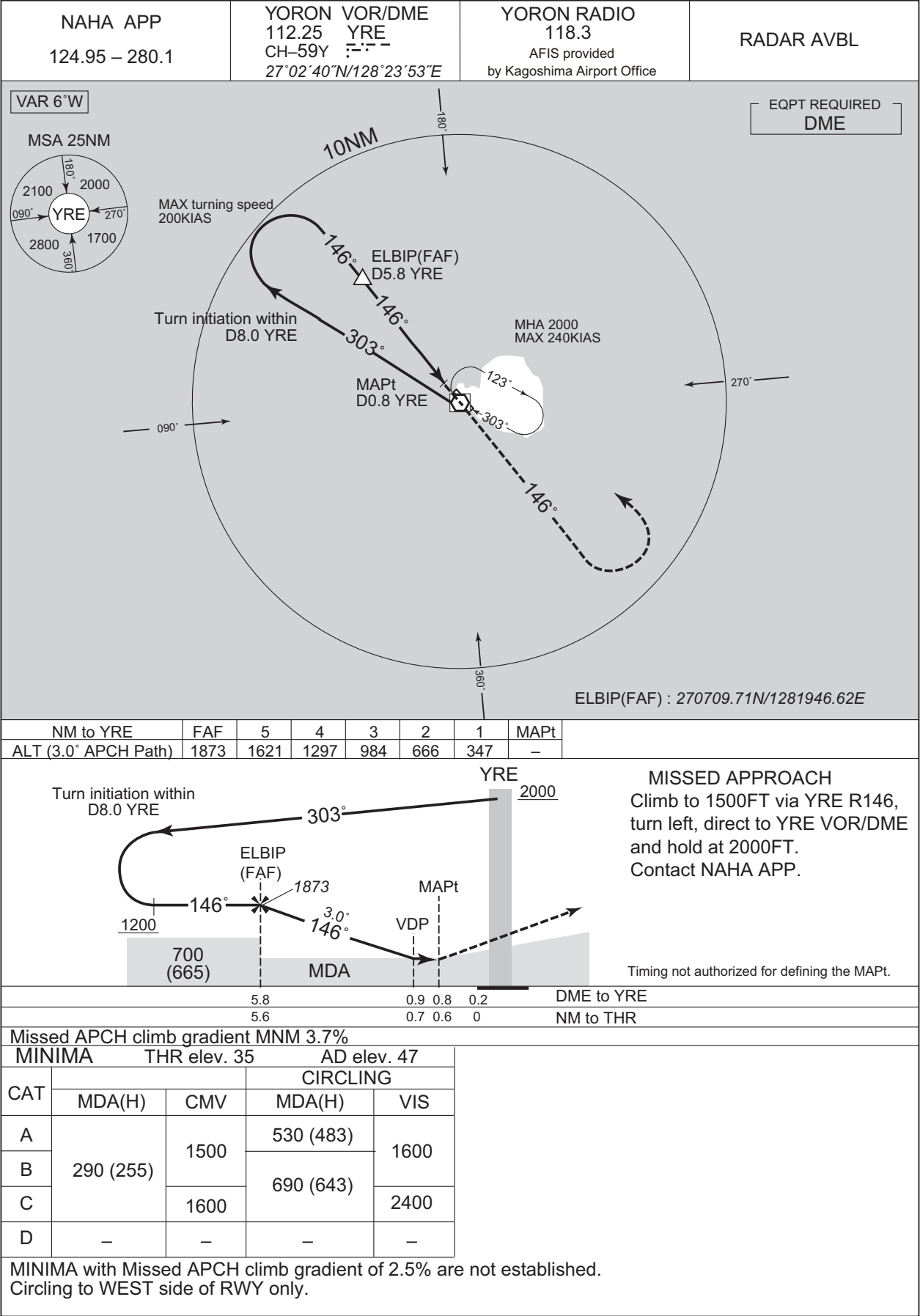
CHANGE : Navigation Specification(Basic RNP1 → RNP1).



INSTRUMENT APPROACH CHART

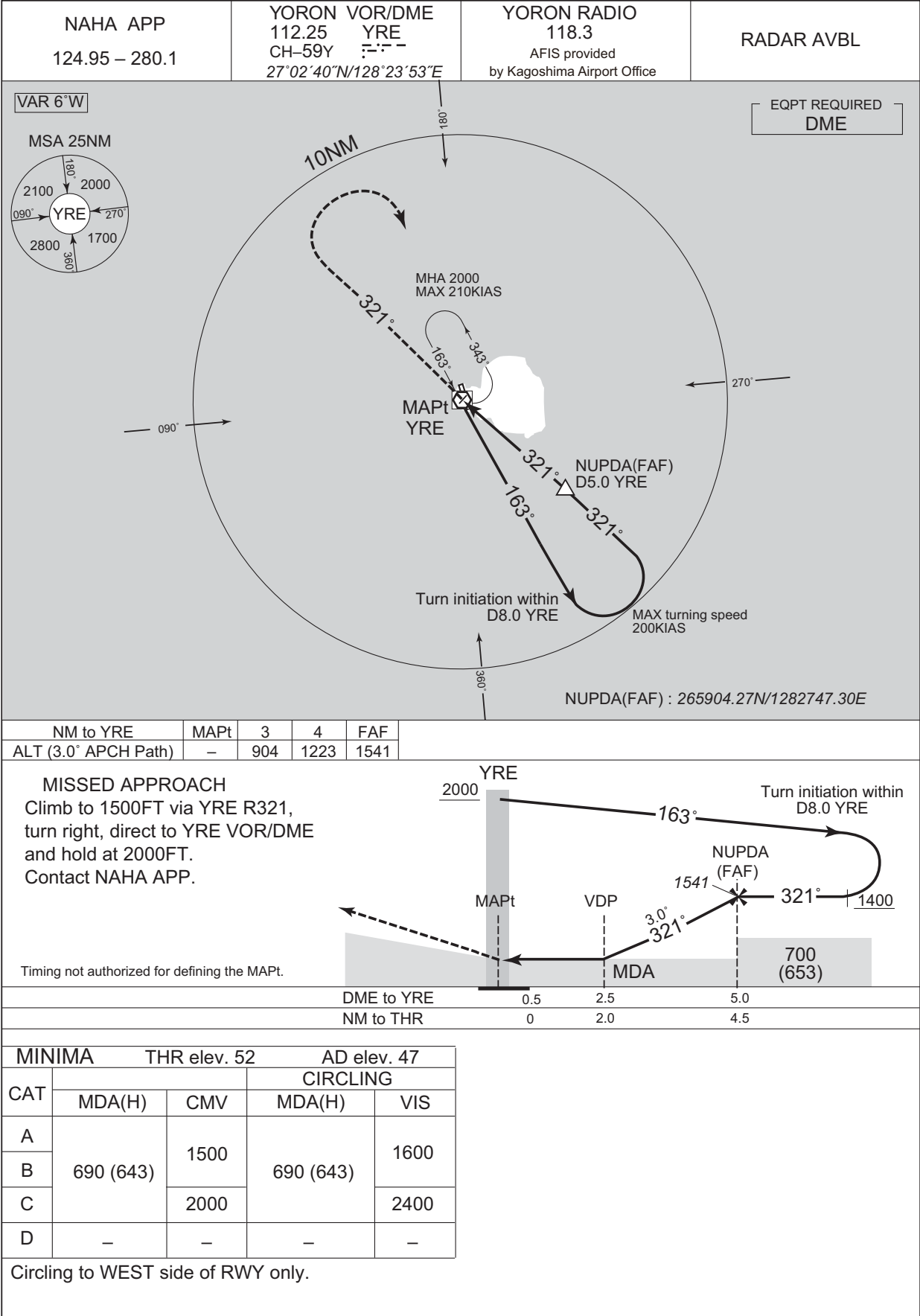
RORY / YORON

VOR RWY14



INSTRUMENT APPROACH CHART

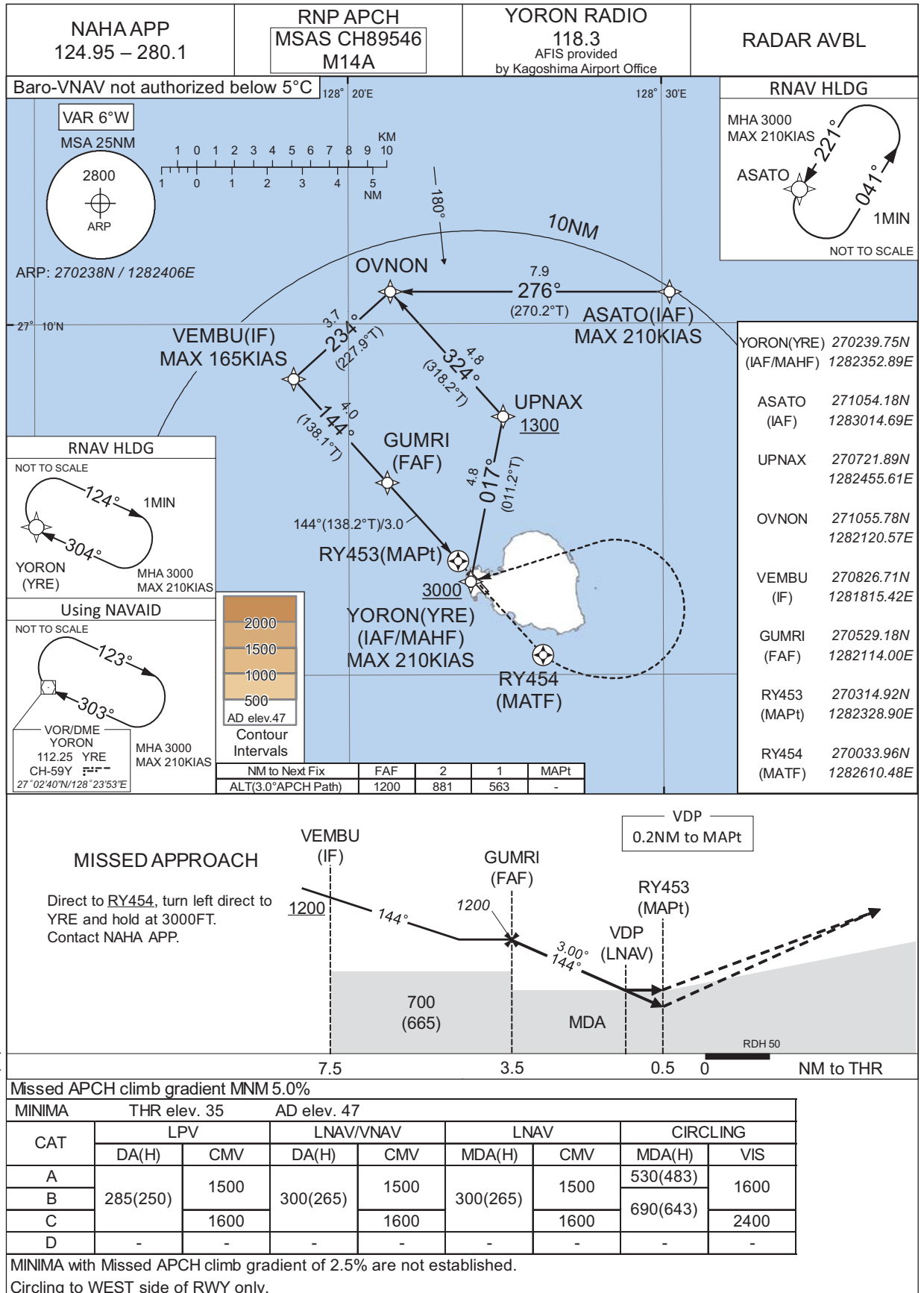
RORY / YORONVOR RWY32



INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY14



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

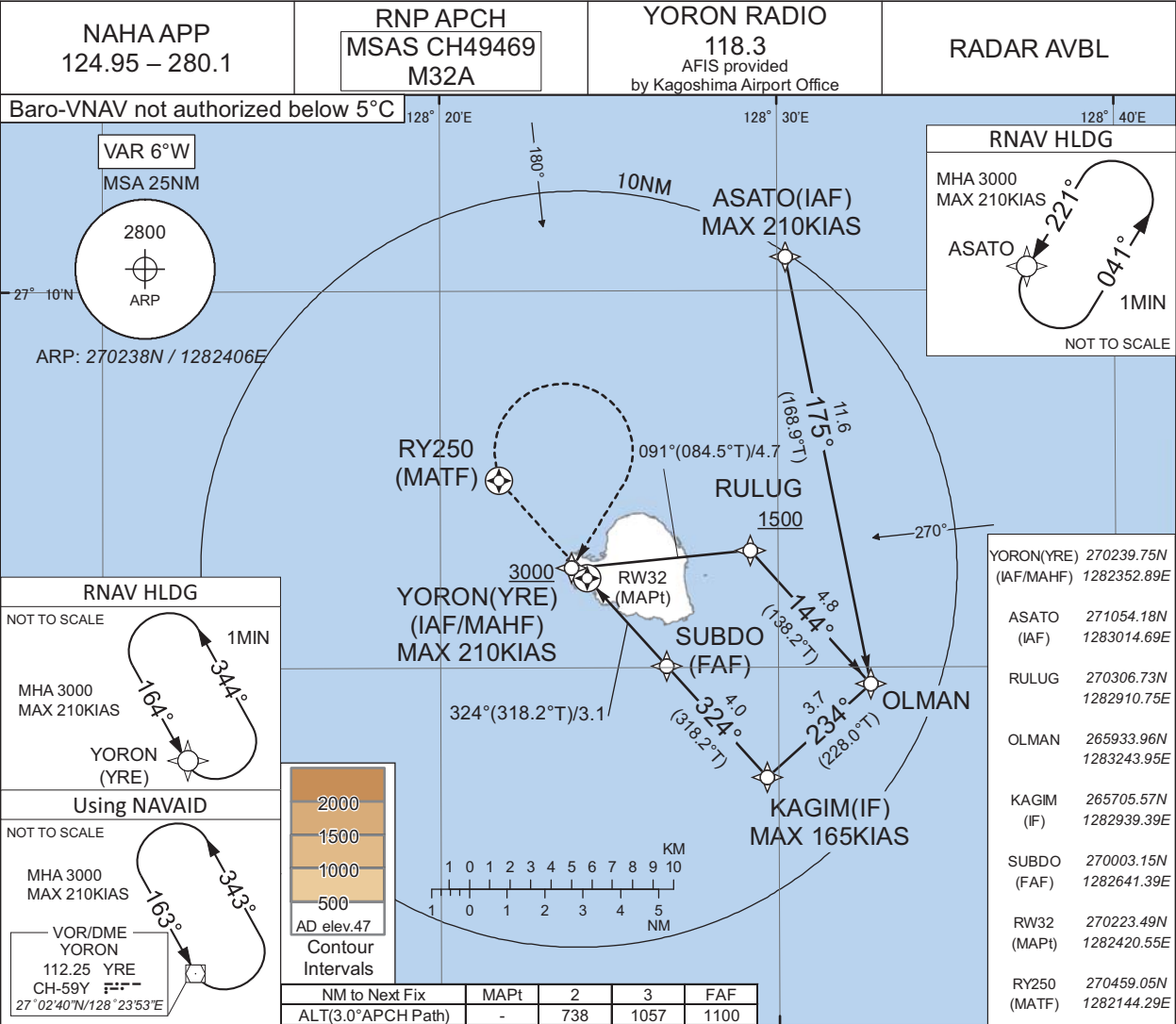
LTP/FTP orthometric height	10.7
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CHANGE : FAS DATA BLOCK ITEM and Required additional data ITEM established.

INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY32



## RORY / YORON

## 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	∠ length offset	0496
LTP/FTP latitude	270223.4560N	HAL	40.0
LTP/FTP longitude	1282420.5825E	VAL	50.0
CRC remainder	977D3979		

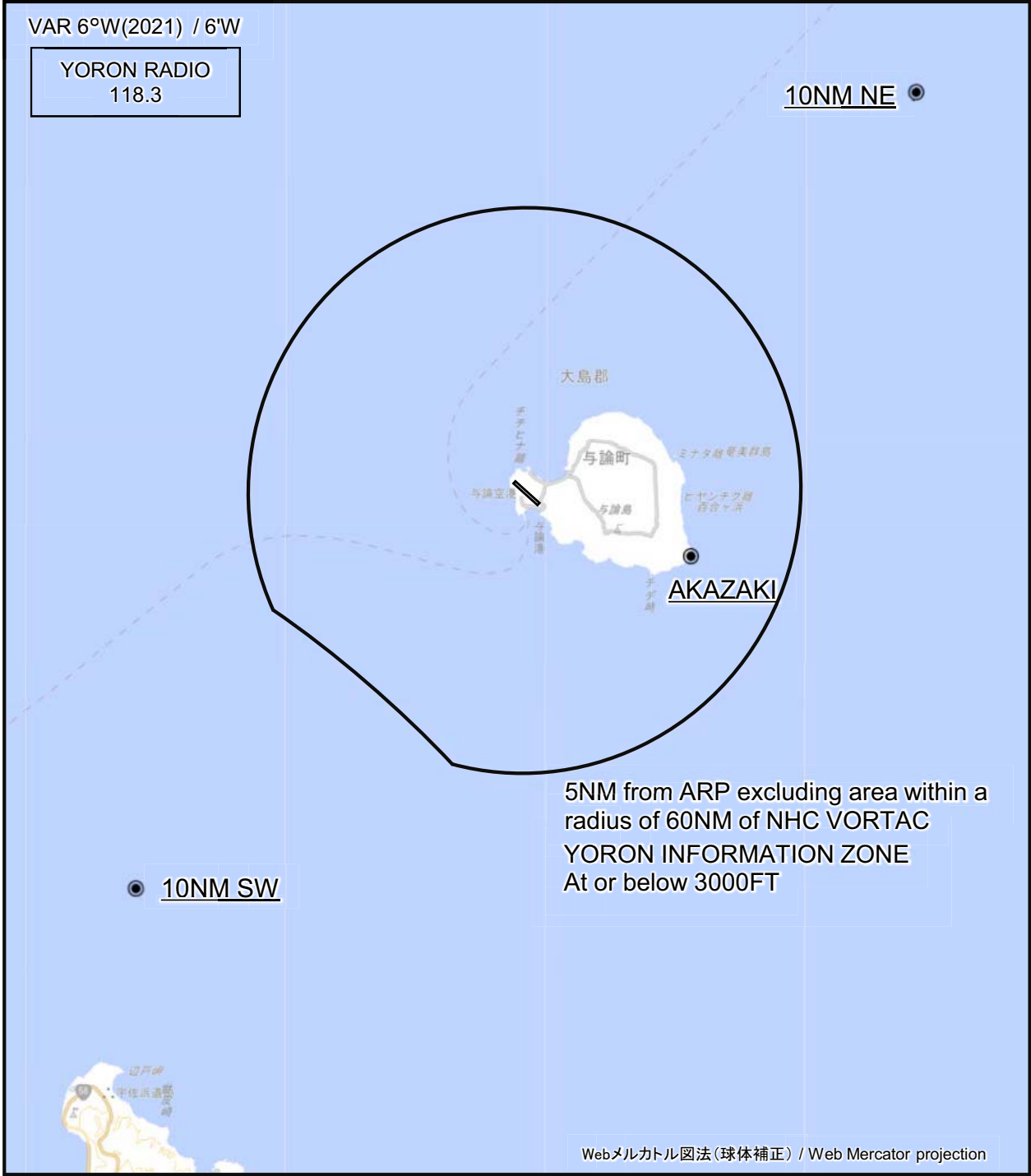
### Required additional data

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



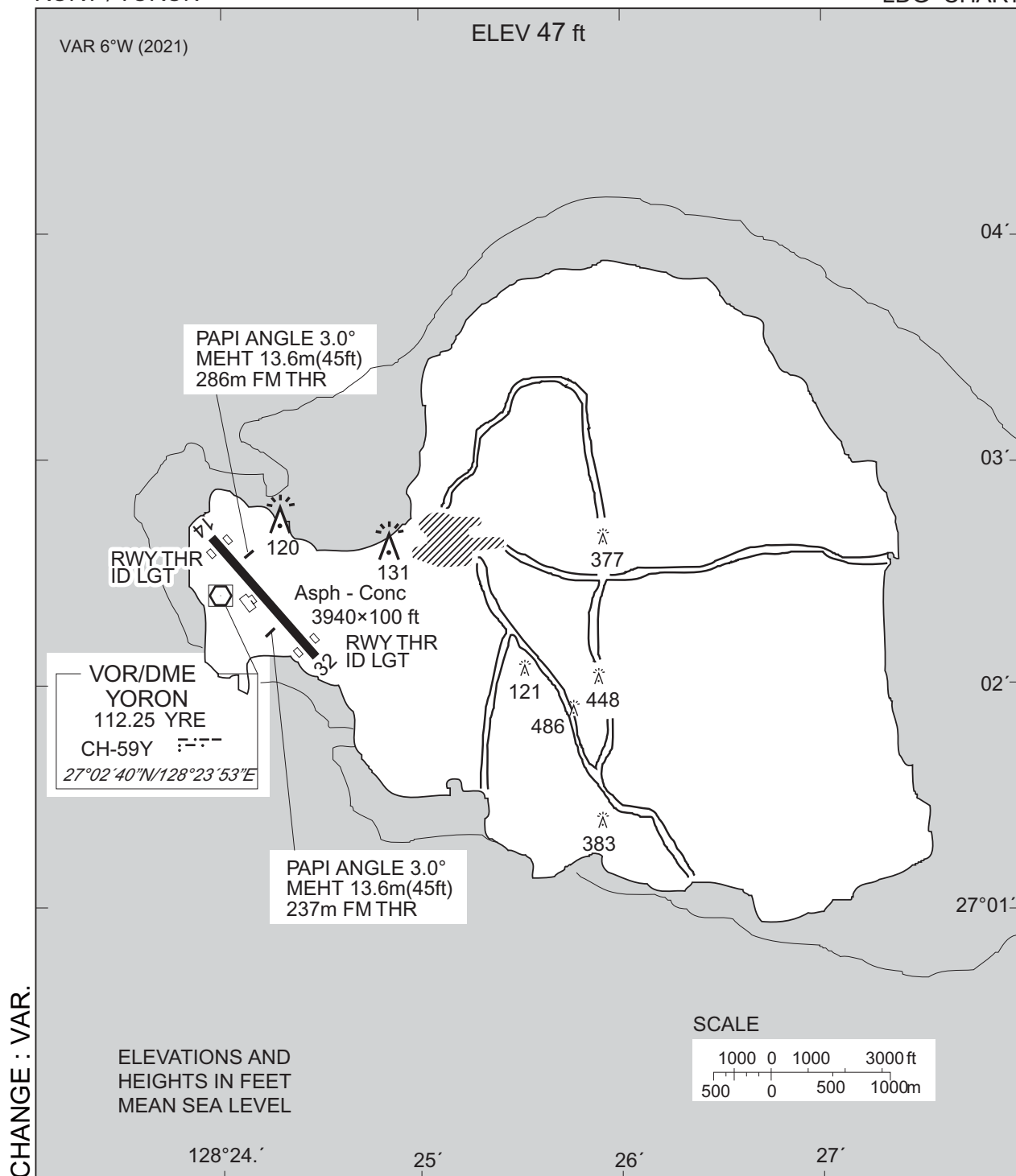
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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

LDG CHART





RORY / YORON

Minimum Vectoring Altitude CHART

