

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° | 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 |
|-----|

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

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|-----|
| Nil |
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2. Taxiing to and from stands

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|-----|
| 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

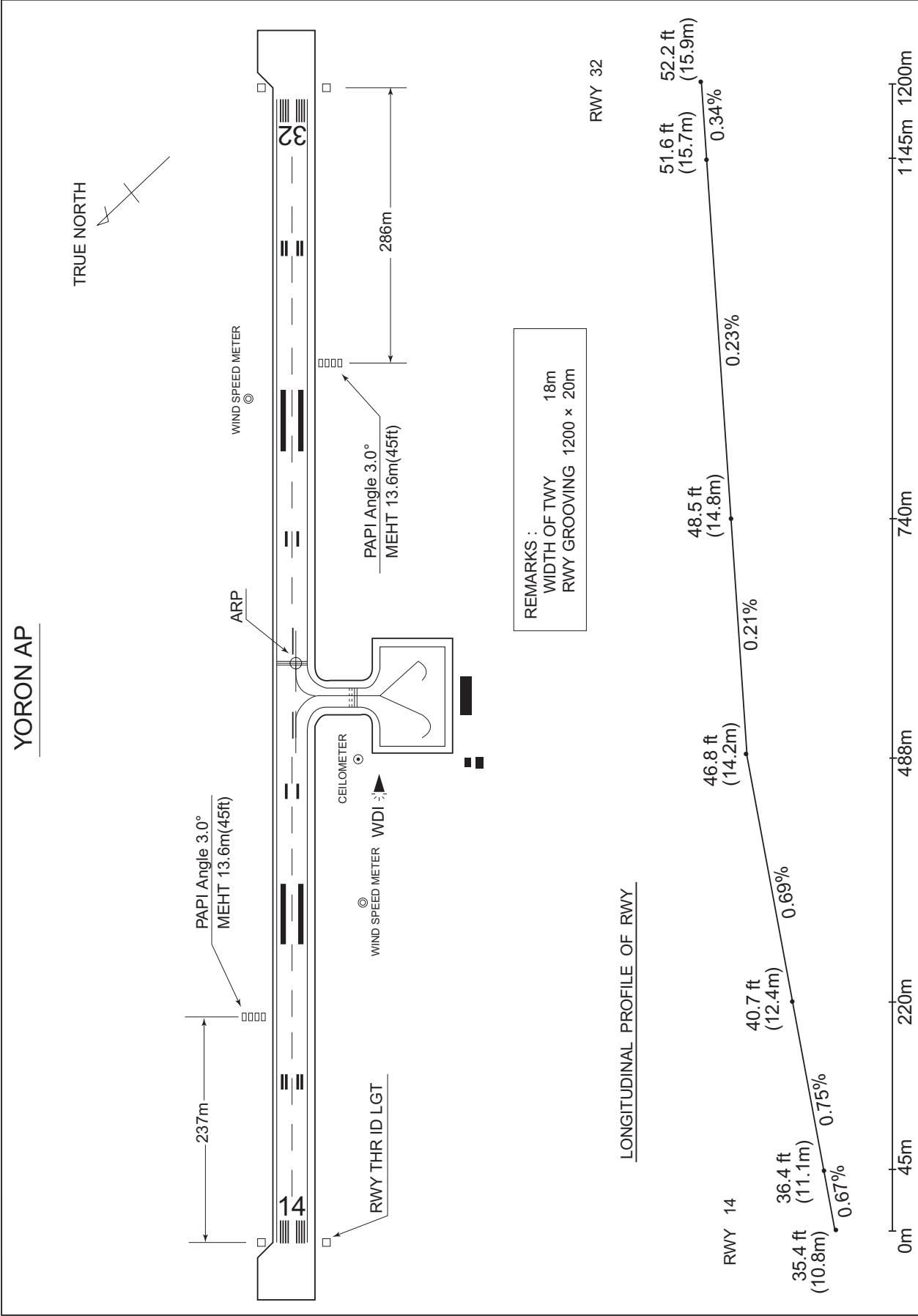
RORY AD 2.24 CHARTS RELATED TO AN AERODROME

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)

RORY / YORON

AD CHART

CHANGE : WIND SPEED METER, CEILOMETER added.



STANDARD DEPARTURE CHART-INSTRUMENT

RORY / YORON

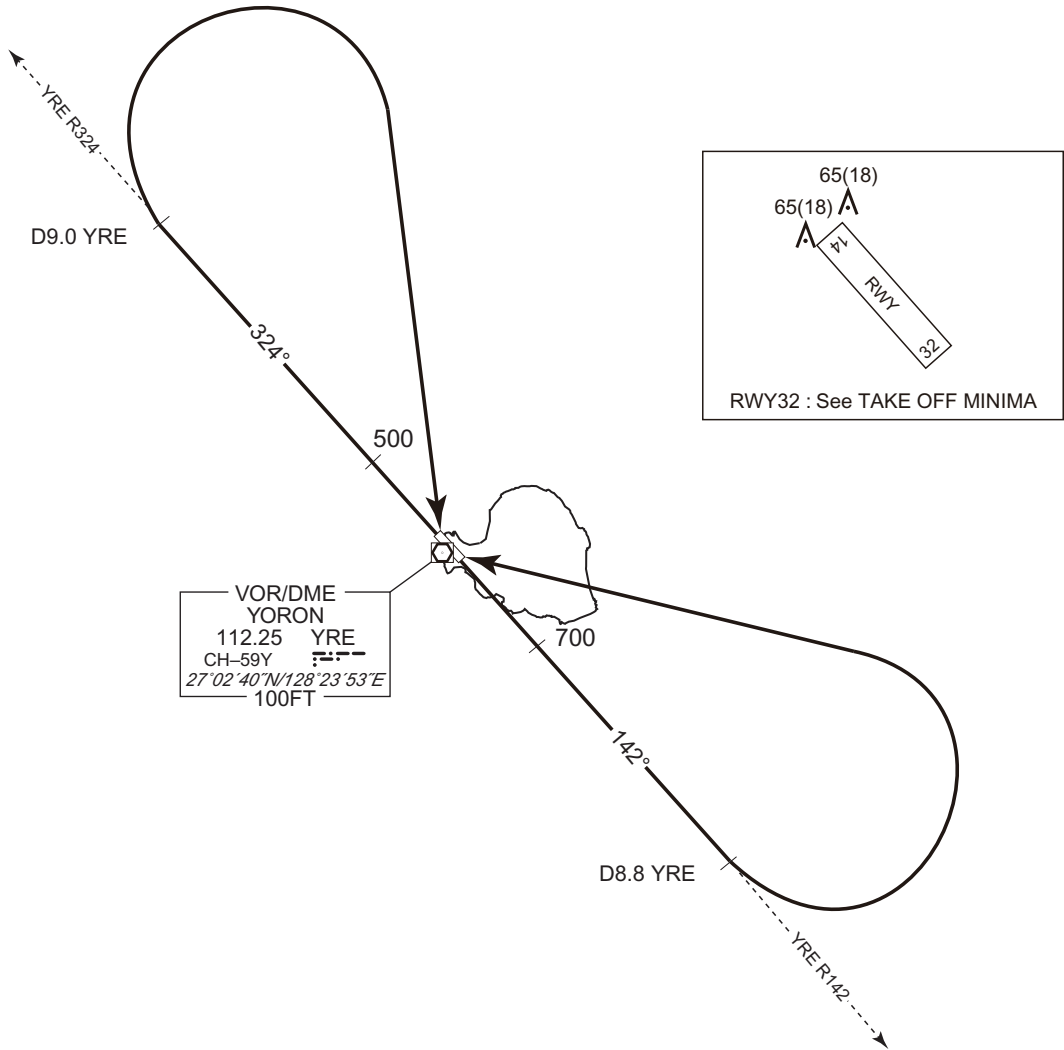
SID

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

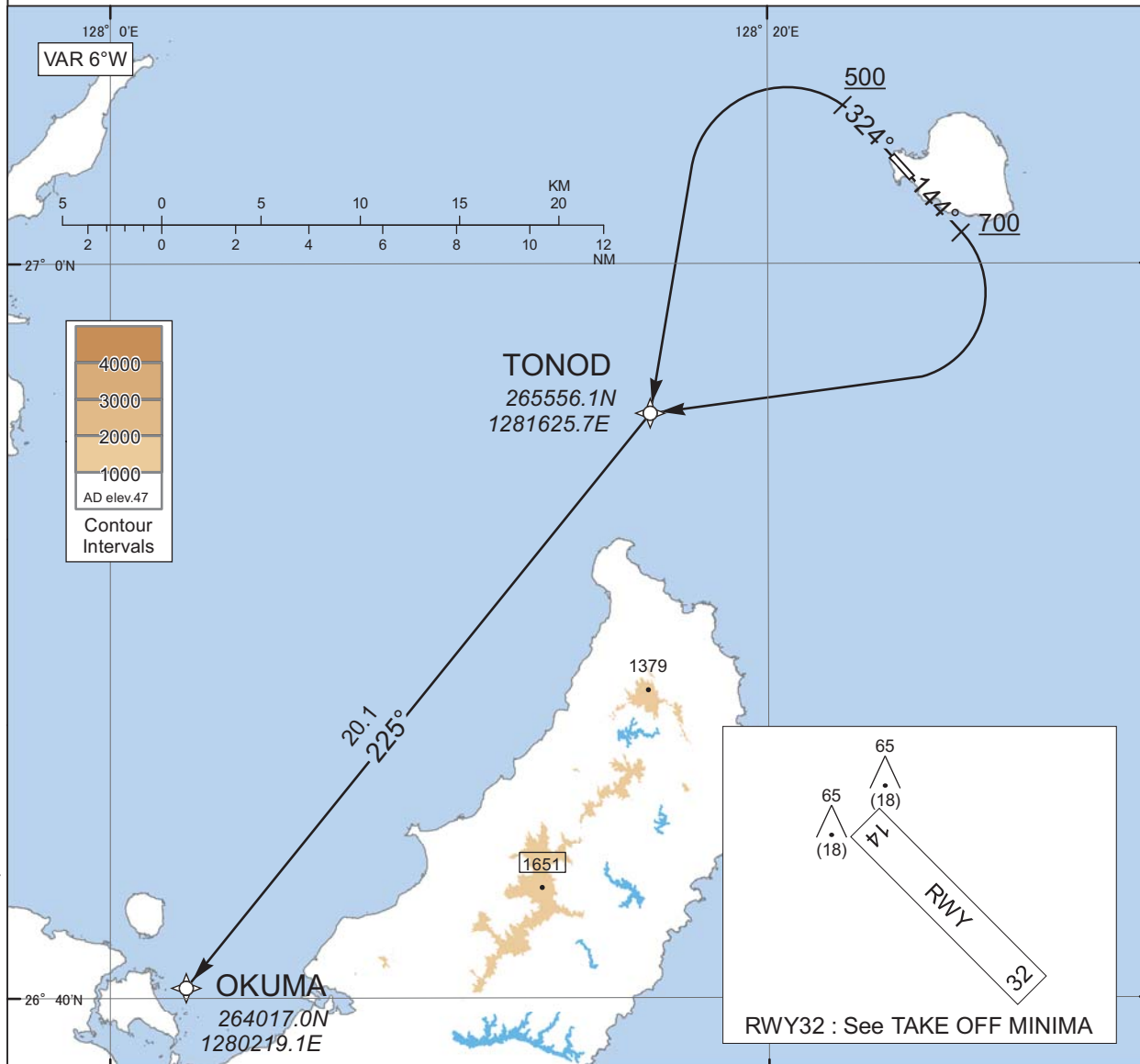
RORY / YORON

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

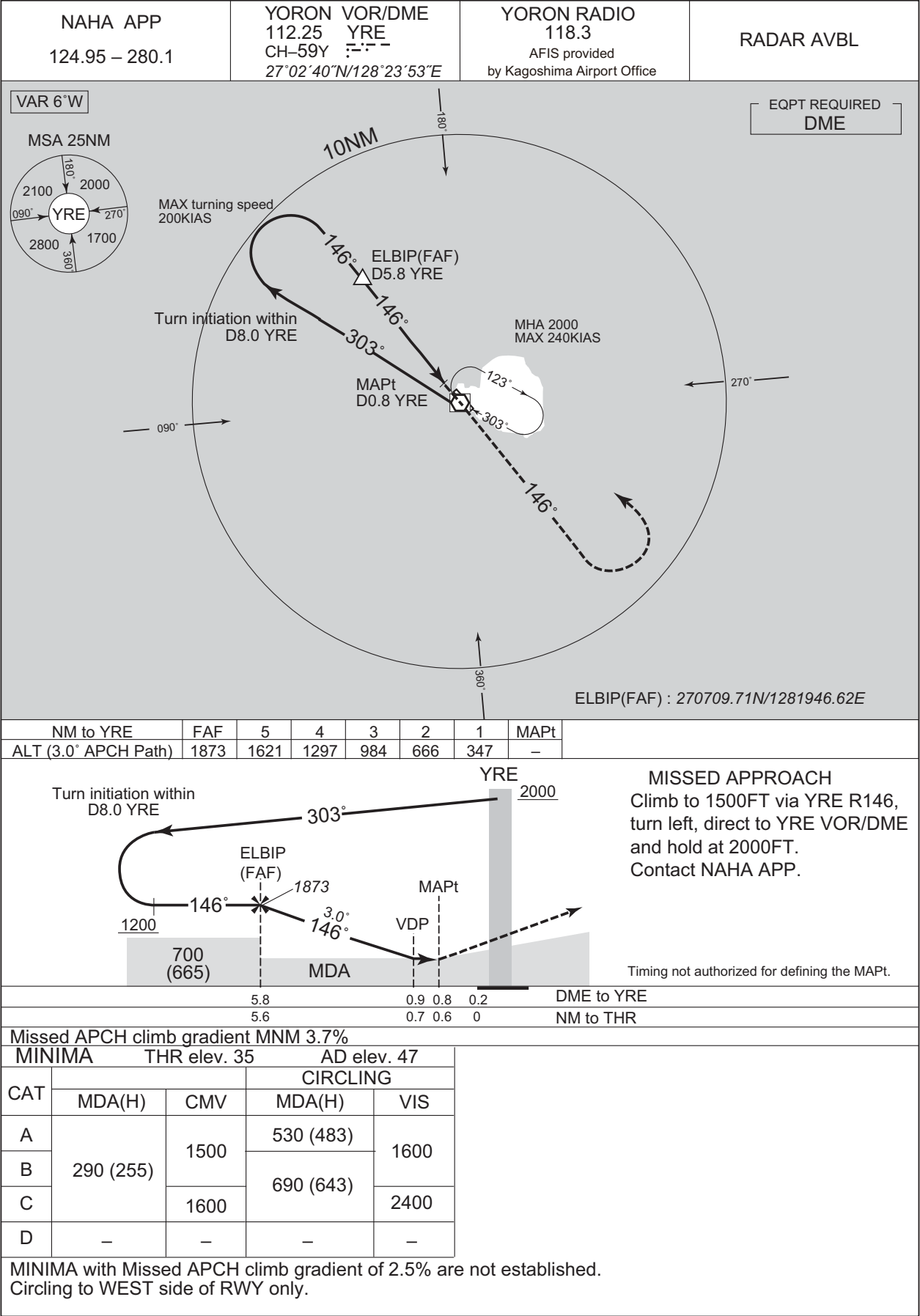
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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

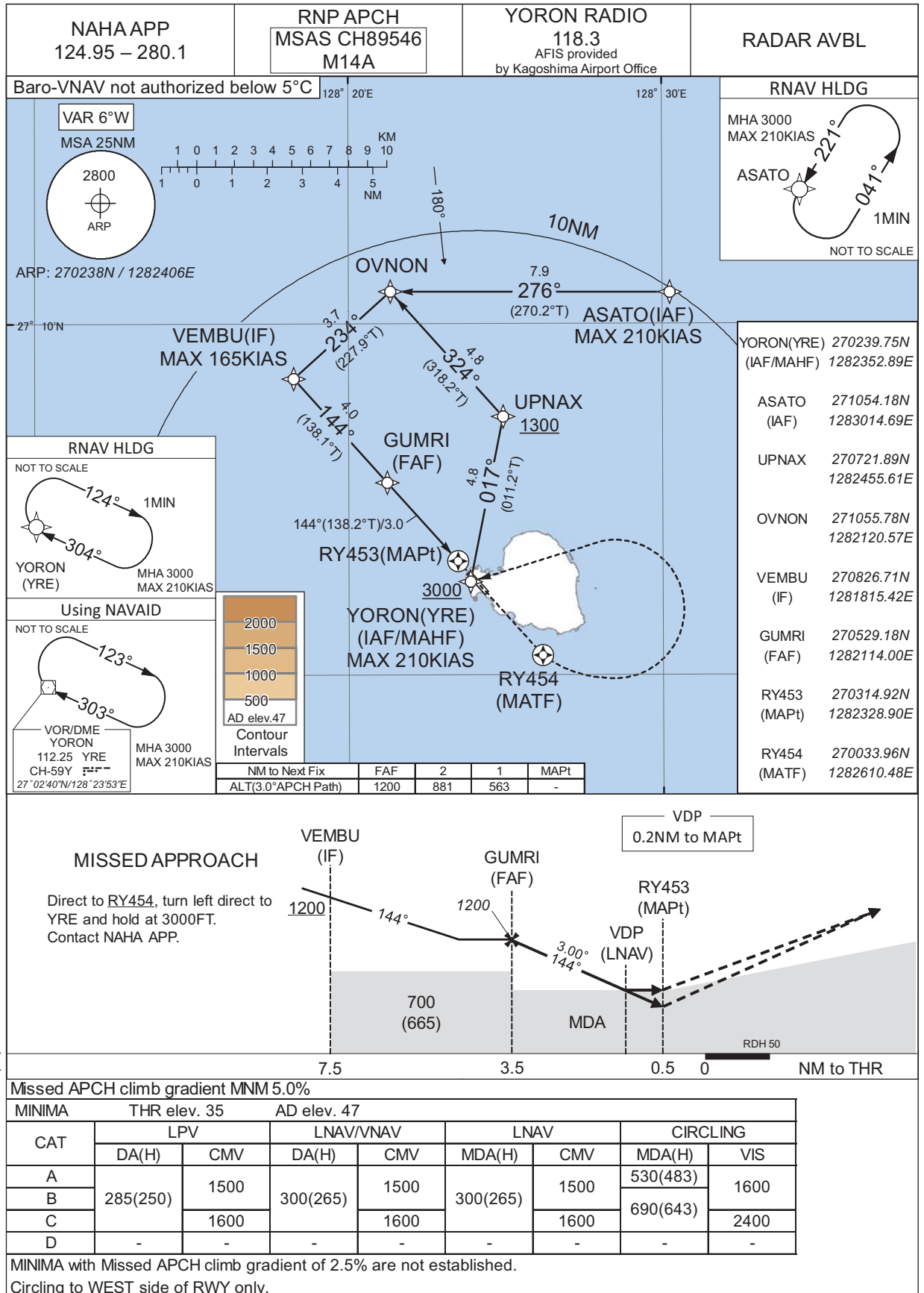
RORY / YORONVOR RWY32



INSTRUMENT APPROACH CHART

RORY / YORON

RNP RWY14



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

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

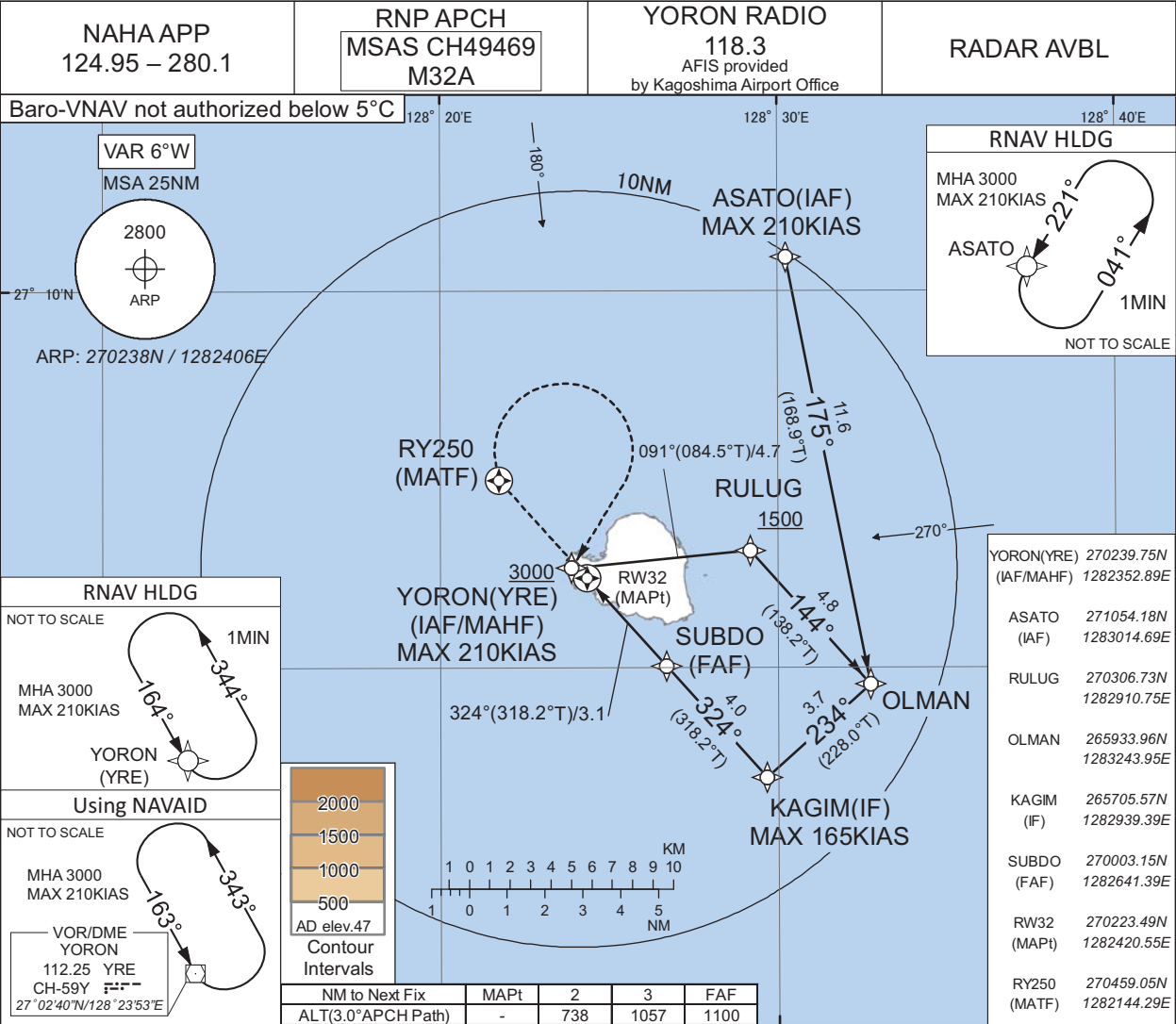
| | |
|----------------------------|------|
| LTP/FTP orthometric height | 10.7 |
|----------------------------|------|

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 |
|----------------------------|------|

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

