## AD 2 AERODROMES

### RJEO AD 2.1 AERODROME LOCATION INDICATOR AND NAME

# RJEO - OKUSHIRI

### RJEO AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|---|---|
| 1 | ARP coordinates and site at AD | *420418N/1392558E*<br>120° / 0.75km from RWY31 THR |
| 2 | Direction and distance from (city) | 65NM WNW FM Hakodate City |
| 3 | Elevation/ Reference temperature | 161FT / 25°C(2004-2008) |
| 4 | Geoid undulation at AD ELEV PSN | 108FT |
| 5 | MAG VAR/ Annual change | 9°W(2000) / 0.9'E |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Hokkaido, Public AP<br>Airport administration branch:<br>185-2,Yoneoka,Okushiri-cho,Okushiri-gun,Hokkaido.<br>TEL:01397-3-2153 |
| 7 | Types of traffic permitted(IFR/ VFR) | IFR/VFR |
| 8 | Remarks | Nil |

### RJEO AD 2.3 OPERATIONAL HOURS

| | | |
|---|---|---|
| 1 | AD Administration | 0000 - 0800 |
| 2 | Customs and immigration | On request<br>Customs: 0138-40-4213<br>Immigration: 0138-41-6922 |
| 3 | Health and sanitation | Quarantine(human): On request(0138-59-0248)<br>Quarantine(animal, plant): Nil |
| 4 | AIS Briefing Office | Nil |
| 5 | ATS Reporting Office(ARO) | Nil |
| 6 | MET Briefing Office | H24 (NEW CHITOSE) |
| 7 | ATS | 0000 - 0800<br>REMARKS:Airport Remote Mobile Communication Service Provided by New Chitose FSC. |
| 8 | Fuelling | Nil |
| 9 | Handling | 0000 - 0800 |
| 10 | Security | 0000 - 0800 |
| 11 | De-icing | Nil |
| 12 | Remarks | Nil |

## RJEO AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|---|
| 1 | Cargo-handling facilities | Nil |
| 2 | Fuel/ oil types | Nil |
| 3 | Fuelling facilities/ capacity | Nil |
| 4 | De-icing facilities | Nil |
| 5 | Hangar space for visiting aircraft | Nil |
| 6 | Repair facilities for visiting aircraft | Nil |
| 7 | Remarks | Nil |

## RJEO AD 2.5 PASSENGER FACILITIES

| | | |
|---|---|---|
| 1 | Hotels | Nil |
| 2 | Restaurants | Nil |
| 3 | Transportation | Buses and Taxis |
| 4 | Medical facilities | Hospital in Okushiri-cho 18km |
| 5 | Bank and Post Office | Post Office in Okushiri-cho |
| 6 | Tourist Office | Nil |
| 7 | Remarks | Nil |

## RJEO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|---|
| 1 | AD category for fire fighting | CAT 4 |
| 2 | Rescue equipment | Chemical fire fighting truck x 1,<br>Emergency medical equipments conveyance truck x 1 |
| 3 | Capability for removal of disabled aircraft | Nil |
| 4 | Remarks | Nil |

## RJEO AD 2.7 SEASONAL AVAILABILITY-CLEARING

| | | |
|---|---|---|
| 1 | Types of clearing equipment | Snow sweeper x 2 , Rotary x 1, Truck x 2, Dozer x 2, Motor grader x 1,<br>Wheel Loader x 1, Anti freezing agent spreader x 1 |
| 2 | Clearance priorities | 1.RWY, 2:TWY, 3:Apron |
| 3 | Remarks | Nil |

## RJEO AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|---|---|
| 1 | Apron surface and strength | Surface:asphalt-concrete, Strength:PCN 17/F/B/Y/T |
| 2 | Taxiway width, surface and strength | WIDTH : 18m<br>Surface:asphalt-concrete, Strength:PCN 17/F/B/Y/T |
| 3 | ACL and elevation | Not available |
| 4 | VOR checkpoints | Not available |
| 5 | INS checkpoints | (Spot NR)<br>1: *420419.44N/1392607.31E*<br>2: *420420.37N/1392605.17E* |
| 6 | Remarks | Nil |

## RJEO 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:RWY13/31<br>(Marking):RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe<br>(LGT):REDL, RTHL, RENL, RWY DIST marker LGT<br>TWY:<br>(Marking):TWY CL, RWY HLDG PSN, TWY side stripe<br>(LGT):TWY edge LGT |
| 3 | Stop bars | Nil |
| 4 | Remarks | (Marking):Overrun area, ACFT PRKG PSN, Apron TWY CL<br>(LGT):Apron flood LGT |

## RJEO AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas

| RWY/Area affected | Obstacle type | Coordinates | Elevation | Markings/ LGT | Remarks |
|---|---|---|---|---|---|
| Nil | | | | | |

In circling area and at AD

| Obstacle type | Coordinates | Elevation | Markings/ LGT | Remarks |
|---|---|---|---|---|
| Mountain•Tree | *420537N/1392622E* | 425FT | - / LIM(Red) | |

## RJEO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---|---|---|
| 1 | Associated MET Office | NEW CHITOSE |
| 2 | Hours of service<br>MET Office outside hours | H24 (NEW CHITOSE) |
| 3 | Office responsible for TAF preparation<br>Periods of validity | Nil |
| 4 | Trend forecast<br>Interval of issuance | Nil |
| 5 | Briefing/ consultation provided | Briefing is available upon inquiry at NEW CHITOSE |
| 6 | Flight documentation<br>Language(s) used | C<br>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<br>available for providing information | Nil |
| 9 | ATS units provided with information | REMOTE |
| 10 | Additional information(limitation of service, etc.) | Nil |

## RJEO 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 |
| 13 | 120.15° | 1500x45 | PCN 17/F/B/Y/T<br>Asphalt Concrete | *420429.89N*<br>*1392530.71E*<br>108FT | THR ELEV : 180FT |
| 31 | 300.15° | 1500x45 | PCN 17/F/B/Y/T<br>Asphalt Concrete | *420405.46N*<br>*1392627.13E*<br>109FT | THR ELEV : 141FT |

| Slope of RWY | Strip Dimensions(M) | RESA(Overrun) Dimensions(M) | Remarks |
|---|---|---|---|
| 7 | 10 | 11 | 14 |
| See AD2.24 AD CHART | 1620x150 | 40x150<br>40x150 | RWY grooving:1500m x 45m |

## RJEO AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 13<br>31 | 1500<br>1500 | 1500<br>1500 | 1500<br>1500 | 1500<br>1500 | Nil<br>Nil |

## RJEO 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 |
| 13 | Nil | Green | PAPI<br>3.0°/LEFT<br>310.5m<br>45ft | Nil | Nil | 1,500m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red | Nil<br>(*2) |
| 31 | Nil(*1) | Green | PAPI<br>3.0°/LEFT<br>238.7m<br>45ft | Nil | Nil | 1,500m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red | Nil<br>(*2) |
| Remarks | | | | | | | | |
| 10 | | | | | | | | |
| 3 APCH LGT beacon are installed at 270m intervals from RWY31 THR.(*1)<br>Overrun area edge LGT(LEN:60m,Color:Red) (*2)<br>RWY THR ID LGT for RWY 13/31 THR (Color: White) | | | | | | | | |

## RJEO AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|---|---|
| 1 | ABN/IBN location,characteristics and hours of operation | ABN:*420423N1392612E*, White/Green EV4.3sec,HO |
| 2 | LDI location and LGT<br>Anemometer location and LGT | LDI:Nil<br>Anemometer:<br>RWY13:450m from RWY13 THR, 67m from RWY CL<br>RWY31:142m from RWY31 THR, 67m from RWY CL |
| 3 | TWY edge and centerline lighting | TWY edge LGT:Blue<br>TWY CL LGT:Nil |
| 4 | Secondary power supply/switch-over time | Within 8 sec:ALL LGT |
| 5 | Remarks | WDI LGT |

## RJEO AD 2.16 HELICOPTER LANDING AREA

| |
|---|
| Nil |

## RJEO 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 |
| Nil | | | | |

## RJEO AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| A/G | Okushiri Remote | 122.7MHz | 0000 - 0800 | RAG controlled by New Chitose FSC |

## RJEO 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<br>(10°W/2019) | ORE | 109.85MHz | 0000 - 0800 | *420413.09N/*<br>*1392636.25E* | - | VOR unusable:<br>360°-010° Beyond 15nm BLW 4,000ft.<br>010°-030° Beyond 10nm BLW 4,000ft.<br>030°-070° Beyond 30nm BLW 7,000ft.<br>350°-360° Beyond 30nm BLW 3,000ft. |
| DME | ORE | 1122MHz<br>(CH-35Y) | 0000 - 0800 | *420413.09N/*<br>*1392636.25E* | 168ft | DME unusable:<br>360°-010° Beyond 15nm BLW 4,000ft.<br>010°-030° Beyond 10nm BLW 4,000ft.<br>030°-050° Beyond 25nm BLW 7,000ft.<br>050°-070° Beyond 30nm BLW 7,000ft.<br>320°-350° Beyond 30nm BLW 3,000ft.<br>350°-360° Beyond 25nm BLW 3,000ft. |
| MSAS | | 1575.42MHz | H24 | | | Transmitting antennas are satellite based. |

## RJEO 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

## RJEO AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

## RJEO AD 2.22 FLIGHT PROCEDURES

**1. TAKE OFF MINIMA**

| | RWY | REDL AVBL | REDL OUT |
|---|---|---|---|
| | | CEIL-VIS | CEIL-VIS |
| TKOF ALTN AP FILED | 13 | 300´-1000m | 300´-1200m |
| | 31 | | |
| Other | 13 | AVBL LDG MINIMA | |
| | 31 | | |

NOTE: SIDs are designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

**2. TAKE OFF MINIMA for RNAV DEPARTURE**

| | RWY | ACFT CAT | REDL & RCLL | | REDL or RCLL or RCL Marking | | NIL (DAYTIME ONLY) | |
|---|---|---|---|---|---|---|---|---|
| | | | RVR | VIS | RVR | VIS | RVR | VIS |
| Multi-Engine ACFT with TKOF ALTN AP FILED | 13 | A,B,C | - | - | - | 400m | - | 500m |
| | 31 | A,B,C | - | - | - | 400m | - | 500m |
| OTHER | 13 | A,B,C | AVBL LDG MINIMA | | | | | |
| | 31 | | | | | | | |

## RJEO AD 2.23 ADDITIONAL INFORMATION

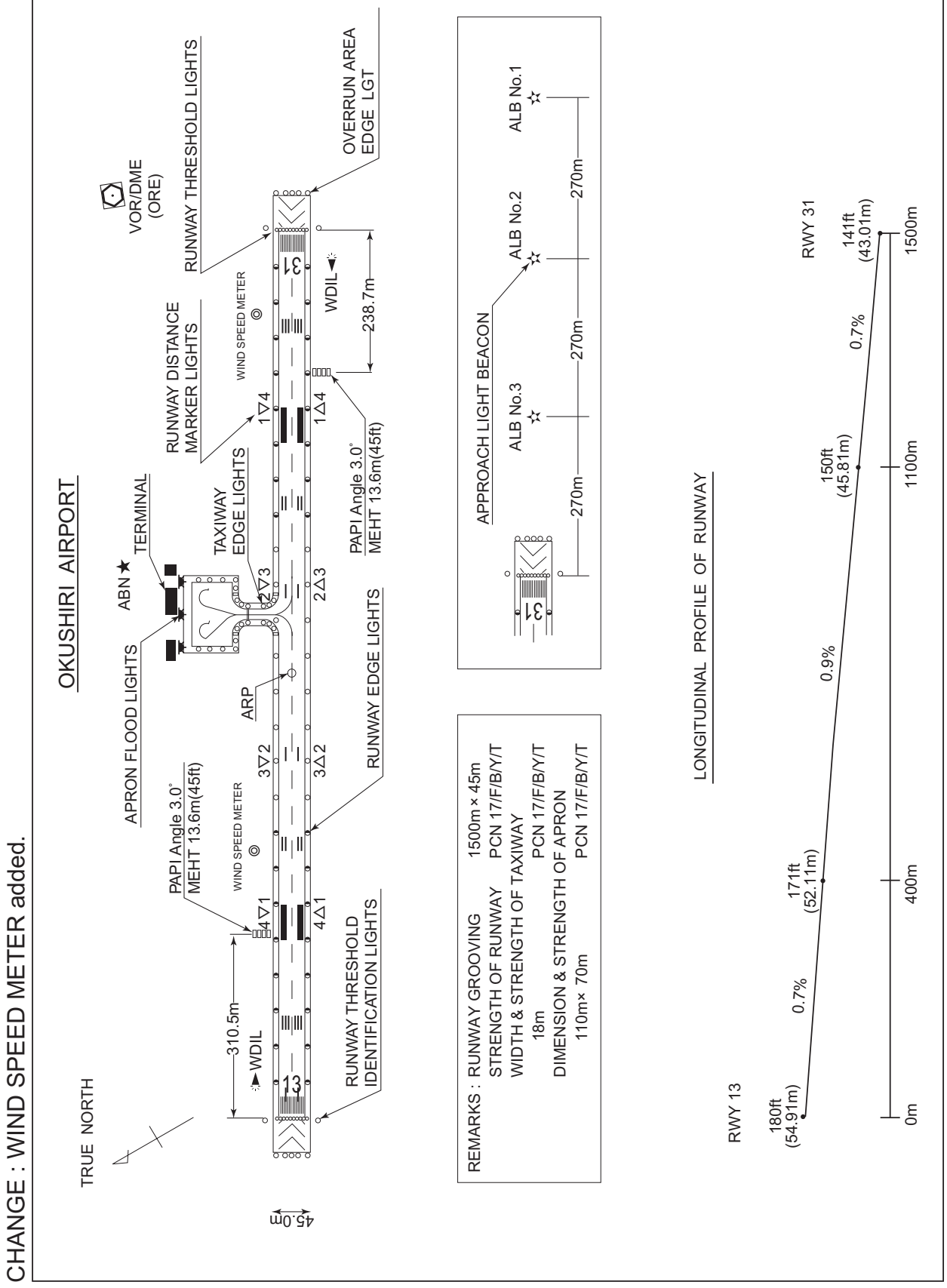
Nil

## RJEO AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (ESASI)*
Standard Departure Chart - Instrument (AONAE-RNAV)
Standard Arrival Chart - Instrument (IKORU-RNAV)
Instrument Approach Chart (VOR RWY31)*
Instrument Approach Chart (VOR RWY13)*
Instrument Approach Chart (VOR A)*
Instrument Approach Chart - Instrument (RNAV(GNSS) RWY31)
Other Chart(Visual REP)

*: Designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

RJEO / OKUSHIRI AD CHART



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**STANDARD DEPARTURE CHART - INSTRUMENT**

RJEO / OKUSHIRI SID

## ESASI TWO DEPARTURE

RWY13 : Turn left,...

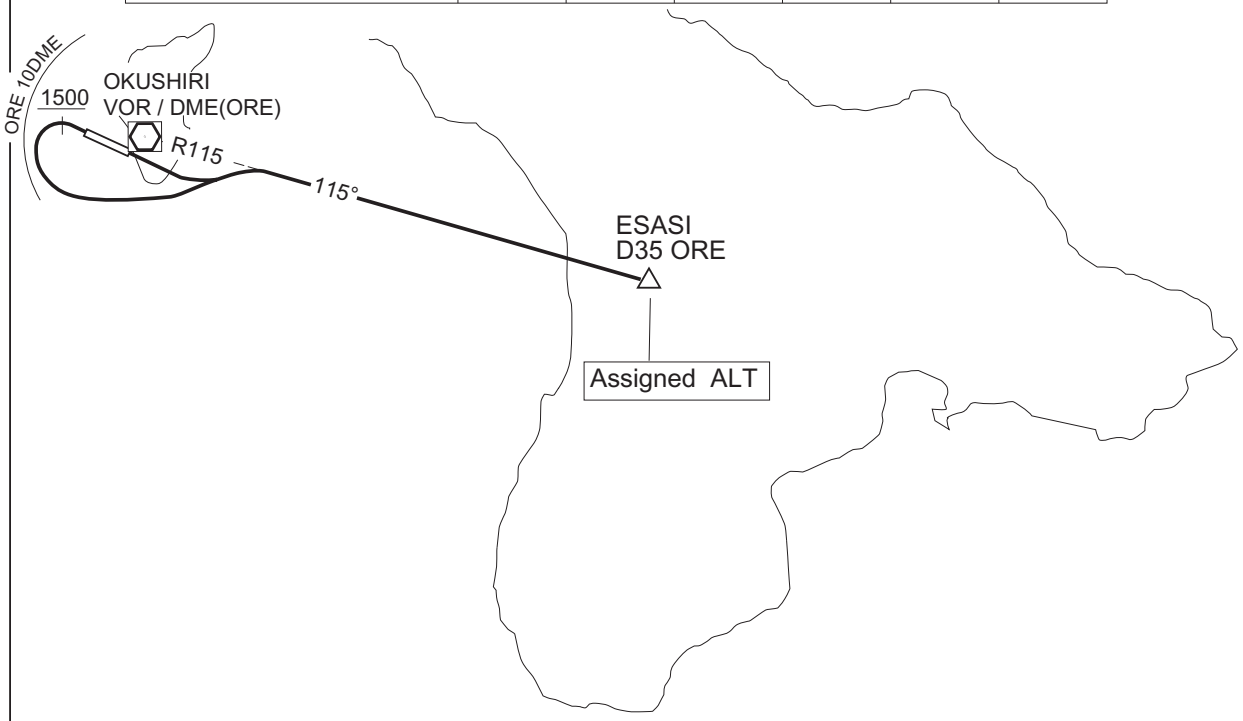
RWY31 : Climb via RWY HDG until 1500FT or above, complete left turn within ORE 10DME,...

...climb via ORE R115 to ESASI.

Cross ESASI at assigned or specified altitude.

Note : When take off from RWY13, following climb gradient should be maintained until 700FT.

| Speed (Knots) | 60 | 90 | 120 | 150 | 180 | 210 |
|---|---|---|---|---|---|---|
| Rate (Feet/Min) | 300 | 450 | 600 | 750 | 900 | 1050 |




CHANGE : TAKE OFF MINIMA deleted.

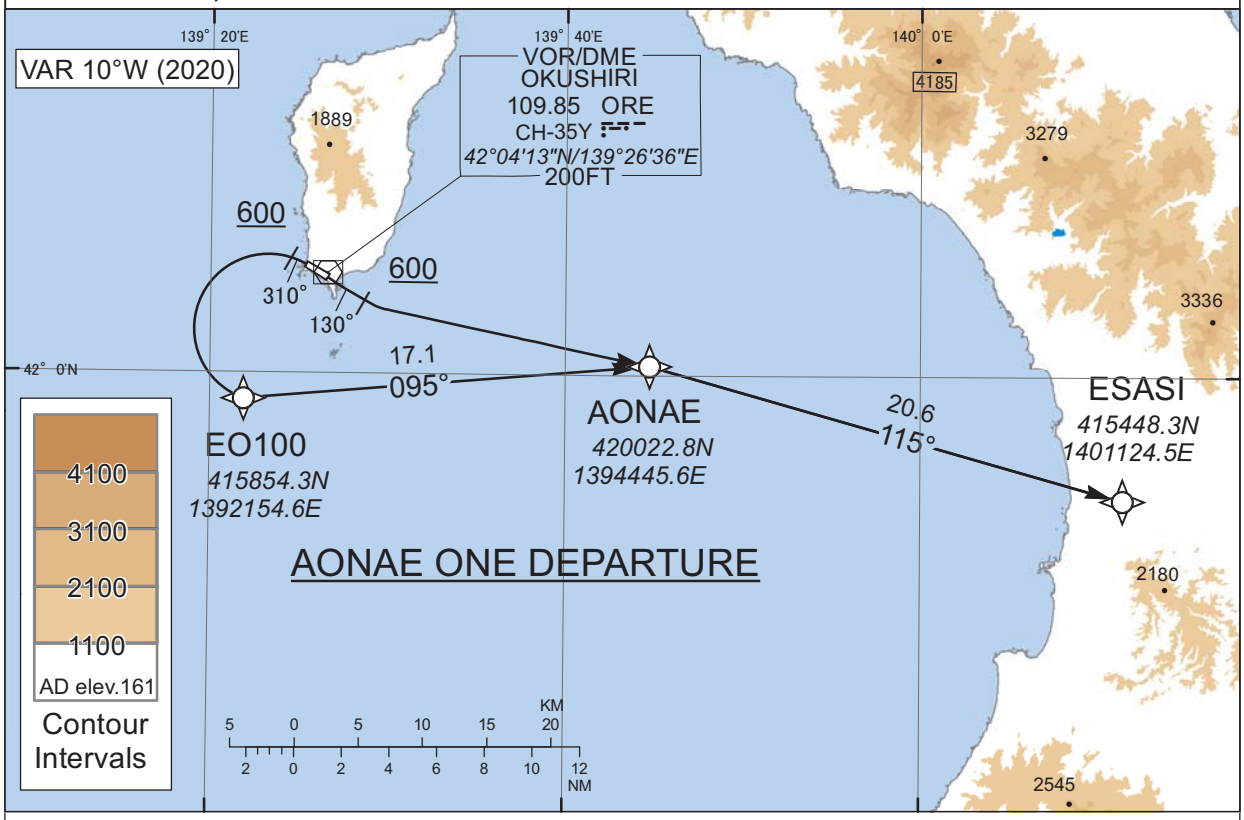
**STANDARD DEPARTURE CHART - INSTRUMENT**

RJEO / OKUSHIRI

RNAV SID

| AONAE ONE DEPARTURE | Basic RNP1 |
|---|---|

Note GNSS required.




## AONAE ONE DEPARTURE

RWY13:Climb on HDG130°at or above 600FT, turn left direct to AONAE, to ESASI.
RWY31:Climb on HDG310°at or above 600FT, turn left direct to EO100, to AONAE, to ESASI.

Note RWY31: 4.5% climb gradient required up to 600FT.
OBST ALT 209FT located at 0.1NM 354°FM end of RWY31

RWY13

| 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 | - | - | 130 (120.3) | -9.8 | - | - | +600 | - | - | Basic RNP1 |
| 002 | DF | AONAE | - | - | -9.8 | - | L | - | - | - | Basic RNP1 |
| 003 | TF | ESASI | - | 115 (105.6) | -9.8 | 20.6 | - | - | - | - | Basic RNP1 |

RWY31

| 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 | - | - | 310 (300.3) | -9.8 | - | - | +600 | - | - | Basic RNP1 |
| 002 | DF | EO100 | - | - | -9.8 | - | L | - | - | - | Basic RNP1 |
| 003 | TF | AONAE | - | 095 (084.9) | -9.8 | 17.1 | - | - | - | - | Basic RNP1 |
| 004 | TF | ESASI | - | 115 (105.6) | -9.8 | 20.6 | - | - | - | - | Basic RNP1 |

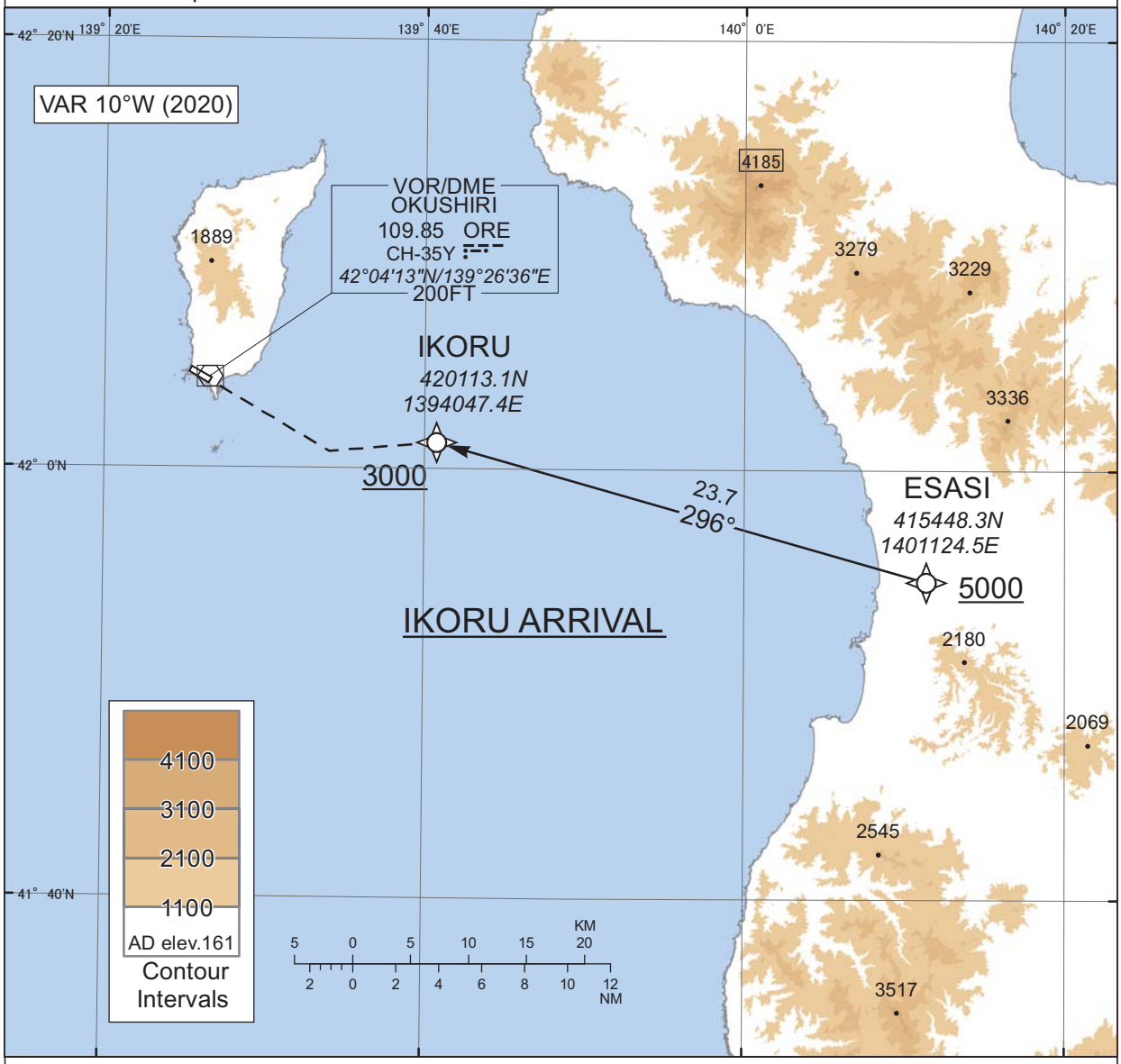
CHANGE : New PROC

**STANDARD ARRIVAL CHART - INSTRUMENT**

RJEO / OKUSHIRI — RNAV STAR RWY31

IKORU ARRIVAL — Basic RNP1

Note GNSS required.




## IKORU ARRIVAL

From ESASI at or above 5000FT, to IKORU at or above 3000FT.

| 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 | ESASI | - | - | -9.8 | - | - | +5000 | - | - | Basic RNP1 |
| 002 | TF | IKORU | - | 296 (285.9) | -9.8 | 23.7 | - | +3000 | - | - | Basic RNP1 |

CHANGE : New PROC

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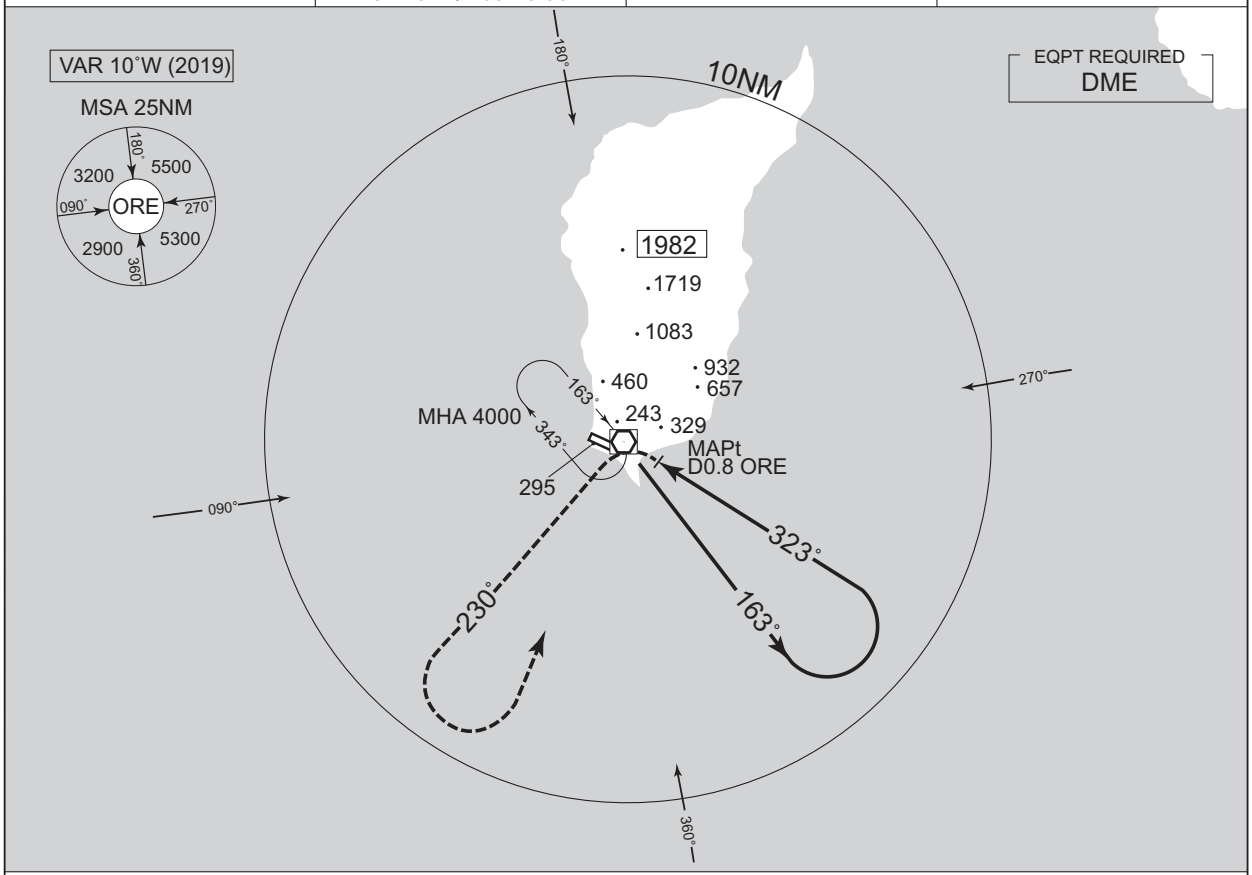
**INSTRUMENT APPROACH CHART**

RJEO / OKUSHIRI VOR RWY31

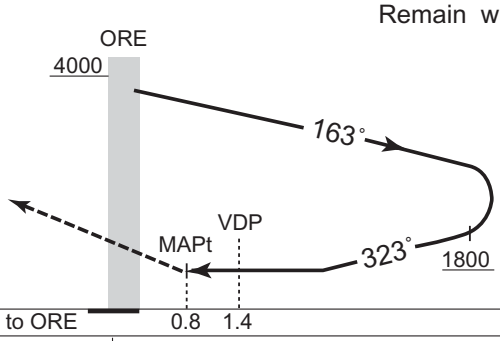
| SAPPORO CONTROL | OKUSHIRI VOR/DME | OKUSHIRI REMOTE | NO RADAR |
|---|---|---|---|
| 119.3 – 276.5<br>134.25 – 260.4 | 109.85 ORE<br>CH–35Y<br>*42˚04´13˝N / 139˚26´36˝E* | 122.7 | |




MISSED APPROACH

Turn left, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT.
Contact OKUSHIRI REMOTE.

Remain within ORE 10.0DME




MINIMA THR elev. 141 AD elev. 161

| CAT | | | CIRCLING | |
|---|---|---|---|---|
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 600 (459) | 1500 | 600 (439) | 1600 |
| B | | | 620 (459) | |
| C | | 2000 | | 2400 |
| D | – | – | – | – |

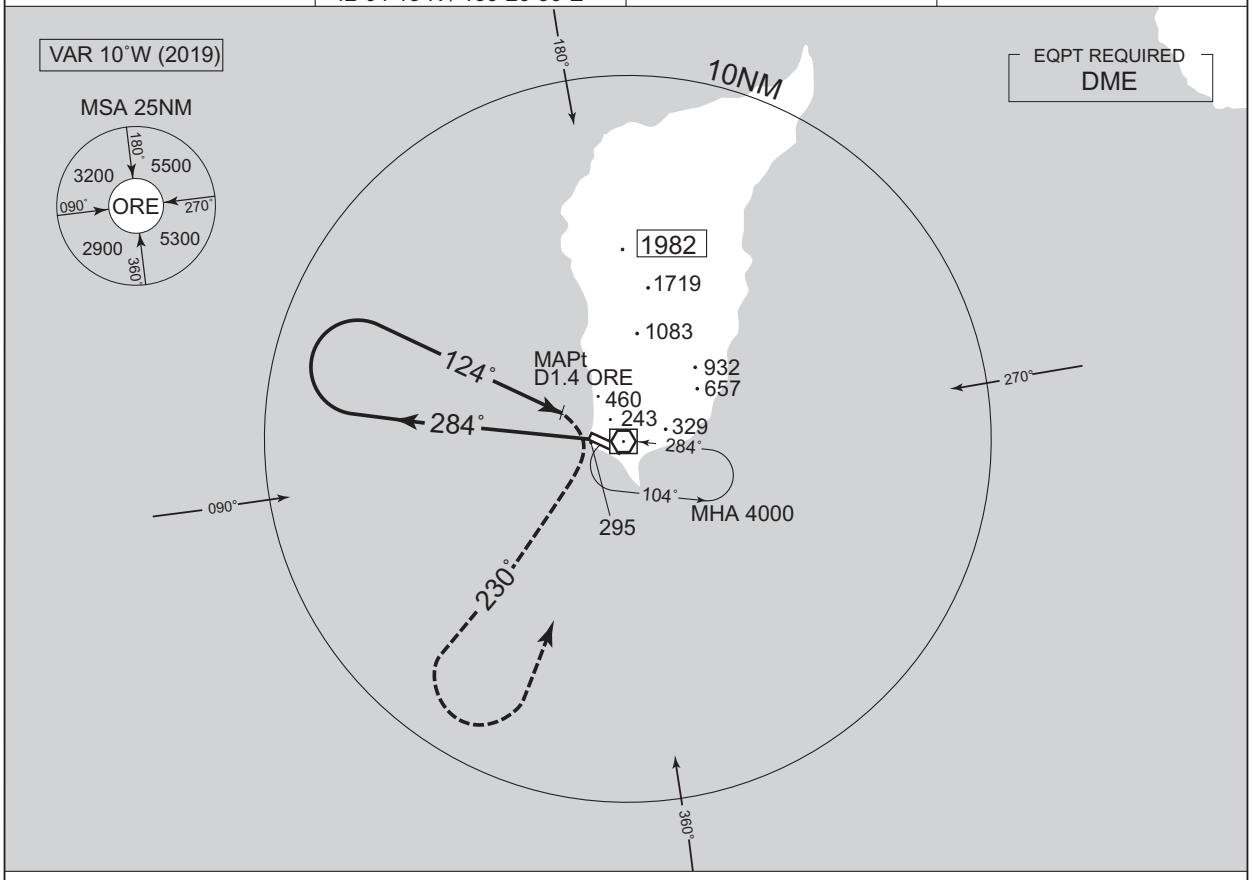
Circling to SOUTH side of RWY only.

CHANGE : VAR,MSA

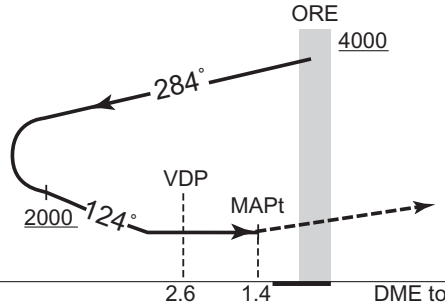
**INSTRUMENT APPROACH CHART**

RJEO / OKUSHIRI — VOR RWY13

| SAPPORO CONTROL | OKUSHIRI VOR/DME | OKUSHIRI REMOTE | NO RADAR |
|---|---|---|---|
| 119.3 – 276.5<br>134.25 – 260.4 | 109.85 ORE<br>CH–35Y<br>*42˚04´13˝N / 139˚26´36˝E* | 122.7 | |




Remain within ORE 10.0DME




MISSED APPROACH
Turn right, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT.
Contact OKUSHIRI REMOTE.

MINIMA THR elev. 180 AD elev. 161

| CAT | | | CIRCLING | |
|---|---|---|---|---|
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 760 (599) | 1500 | 760 (599) | 1600 |
| B | | | | |
| C | | 2000 | | 2400 |
| D | – | – | – | – |

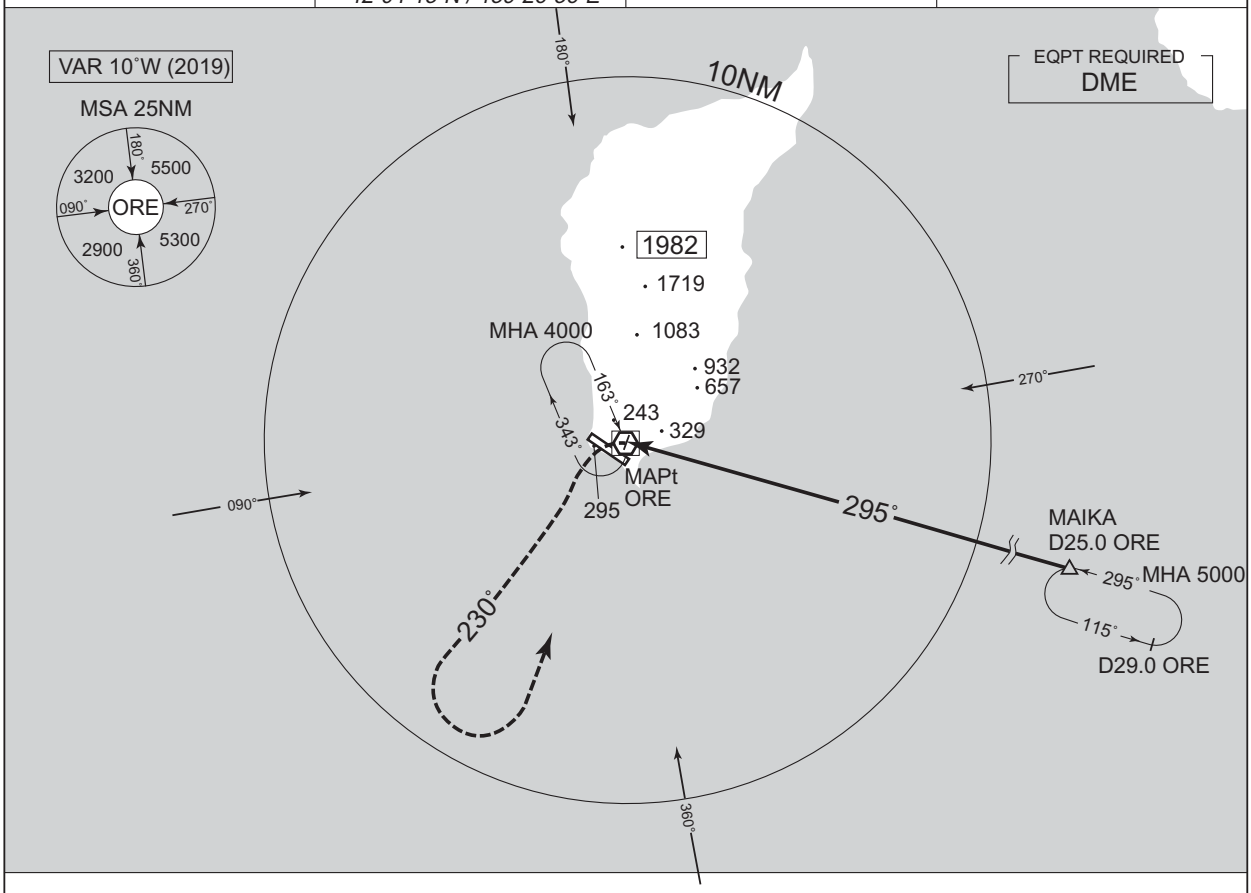
Circling to SOUTH side of RWY only.

CHANGE : DME to ORE(VDP)

**INSTRUMENT APPROACH CHART**

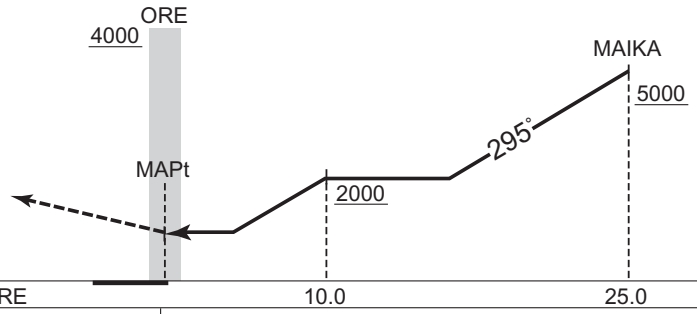
RJEO / OKUSHIRI VOR A

| SAPPORO CONTROL | OKUSHIRI VOR/DME | OKUSHIRI REMOTE | NO RADAR |
|---|---|---|---|
| 119.3 – 276.5<br>134.25 – 260.4 | 109.85 ORE<br>CH–35Y<br>*42˚04´13˝N / 139˚26´36˝E* | 122.7 | |




MISSED APPROACH

Turn left, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT. Contact OKUSHIRI REMOTE.




MINIMA AD elev. 161

| CAT | CIRCLING | |
|---|---|---|
| | MDA(H) | VIS |
| A | 960 (799) | 1600 |
| B | | |
| C | | 2400 |
| D | – | – |

Circling to SOUTH side of RWY only.

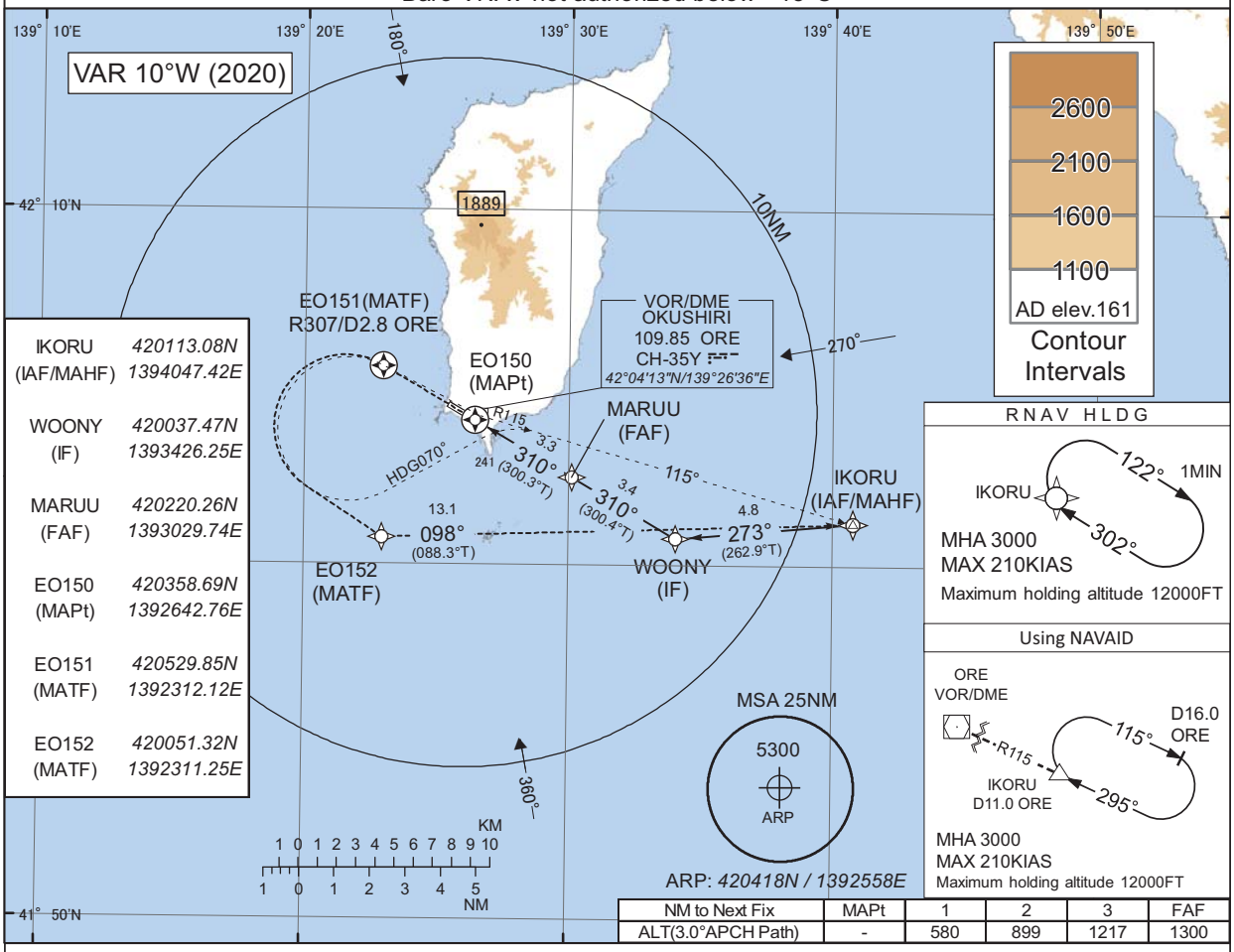
CHANGE : VAR,MSA

**INSTRUMENT APPROACH CHART**

# RJEO / OKUSHIRI — RNAV(GNSS) RWY31

| SAPPORO CONTROL<br>119.3 - 276.5<br>134.25 - 260.4 | 1. DME/DME RNP0.3 not authorized.<br>2. RNP0.3 required.<br>3. GNSS required. | OKUSHIRI REMOTE<br>122.7 | NO RADAR |
|---|---|---|---|

Baro-VNAV not authorized below -15°C

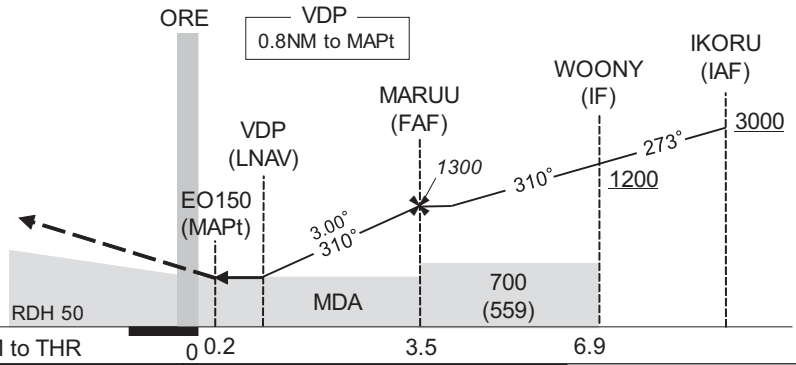



| NM to Next Fix | MAPt | 1 | 2 | 3 | FAF |
|---|---|---|---|---|---|
| ALT(3.0°APCH Path) | - | 580 | 899 | 1217 | 1300 |

## MISSED APPROACH

Direct to EO151, turn left direct to EO152,
to IKORU and hold at 3000FT.
Contact OKUSHIRI REMOTE.

(For using VOR/DME)
Climb via ORE R307 to ORE 2.8DME, turn left
HDG070° to intercept and proceed via ORE
R115 to IKORU and hold at 3000FT.
Contact OKUSHIRI REMOTE.




MINIMA THR elev. 141 AD elev. 161

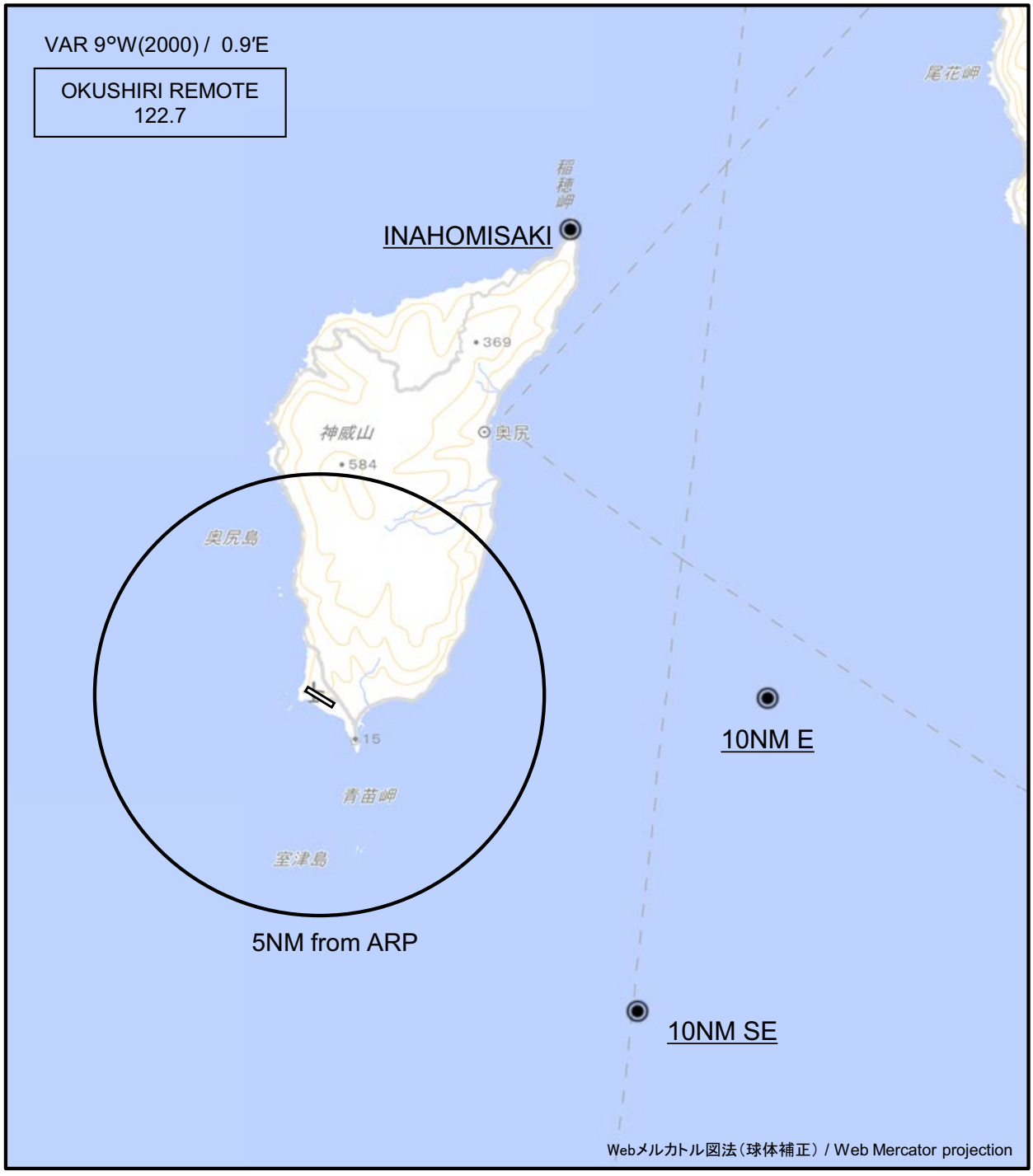
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
|---|---|---|---|---|---|---|
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 490(349) | 1500 | 490(349) | 1500 | 600(439) | 1600 |
| B | | | | | 620(459) | |
| C | | 1800 | | 1800 | | 2400 |
| D | - | - | - | - | - | - |

Circling to SOUTH side of RWY only.

CHANGE : New PROC

RJEO / OKUSHIRI

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.

| Call sign | BRG / DIST from ARP | Remarks |
|---|---|---|
| 稲穂岬<br>Inahomisaki | 028°T / 12.0NM | 灯台<br>Lighthouse |
| 10NM E | 090°T / 10.0NM | 海上<br>Over the sea |
| 10NM SE | 135°T / 10.0NM | 海上<br>Over the sea |

**INTENTIONALLY LEFT BLANK**