

AD 2 AERODROMES**RJDT AD 2.1 AERODROME LOCATION INDICATOR AND NAME****RJDT - TSUSHIMA****RJDT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|---|--|---|
| 1 | ARP coordinates and site at AD | 341706N 1291950E APRX 500m SE of AP administration office |
| 2 | Direction and distance from (city) | APRX 10km NE of Tsushima city office |
| 3 | Elevation/ Reference temperature | 207ft / 33°C (2003-2007) |
| 4 | Geoid undulation at AD ELEV PSN | 97ft |
| 5 | MAG VAR/ Annual change | 7°W(2009) / 2.6'W |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Tsushima Airport Administration Office, Nagasaki Prefectural Government Otsu-1725 Mitsushima-machi-kechi, Tsushima-city, Nagasaki, 817-0322 JAPAN Tel: 0920-54-2159 e-mail: s14080@pref.nagasaki.lg.jp |
| 7 | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 8 | Remarks | Nil |

RJDT AD 2.3 OPERATIONAL HOURS

| | | |
|----|---------------------------|---|
| 1 | AD Administration | 2230 -1130 |
| 2 | Customs and immigration | On request Customs: 0920-52-1112 Immigration: 0920-52-0432 |
| 3 | Health and sanitation | Quarantine(human): On request(095-826-8081) Quarantine(animal, plant): Nil |
| 4 | AIS Briefing Office | Nil |
| 5 | ATS Reporting Office(ARO) | Nil |
| 6 | MET Briefing Office | H24 (FUKUOKA) |
| 7 | ATS | 2230-1130 Remarks: Airport Remote Mobile Communication Service provided by Fukuoka FSC |
| 8 | Fuelling | Nil |
| 9 | Handling | Nil |
| 10 | Security | 2230 - 1130 |
| 11 | De-icing | Nil |
| 12 | Remarks | Nil |

RJDT AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|---|
| 1 | Cargo-handling facilities | Nil |
| 2 | Fuel/ oil types | JET A-1 |
| 3 | Fuelling facilities/ capacity | By fueling truck, limitation 1kl, Ask AD administration |
| 4 | De-icing facilities | Nil |
| 5 | Hangar space for visiting aircraft | Nil |
| 6 | Repair facilities for visiting aircraft | Nil |
| 7 | Remarks | Nil |

RJDT AD 2.5 PASSENGER FACILITIES

| | | |
|---|----------------------|-----------------------|
| 1 | Hotels | in Tsushima city 4km |
| 2 | Restaurants | in Tsushima city 2km |
| 3 | Transportation | Busses and Taxis |
| 4 | Medical facilities | in Tsushima city 4km |
| 5 | Bank and Post Office | in Tsushima city 4km |
| 6 | Tourist Office | in Tsushima city 13km |
| 7 | Remarks | Nil |

RJDT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

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

RJDT AD 2.7 SEASONAL AVAILABILITY-CLEARING

| | | |
|---|-----------------------------|----------|
| 1 | Types of clearing equipment | Not AVBL |
| 2 | Clearance priorities | Nil |
| 3 | Remarks | Nil |

RJDT AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|-------------------------------------|---|
| 1 | Apron surface and strength | Surface: Asphalt-concrete Strength: SPOT NR 1 PCN 17/F/C/Y/T SPOT NR 2 PCN 40/F/B/X/T SPOT NR 3, 5 PCN 36/R/B/X/T SPOT NR 6 PCN 48/R/B/X/T |
| 2 | Taxiway width, surface and strength | Surface: Asphalt T1 Width :23m Strength:PCN 52/F/A/X/T T2 Width :23m Strength: PCN 61/F/A/X/T |
| 3 | ACL and elevation | Not available |
| 4 | VOR checkpoints | Not available |
| 5 | INS checkpoints | Spot Nr 1 341715.17N 1291930.63E 2 341713.89N 1291932.12E 3 341712.23N 1291933.13E 5 341710.82N 1291934.76E 6 341709.43N 1291936.39E |
| 6 | Remarks | Nil |

RJDT 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 : RWY 14/32 (Marking) RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe (LGT) RCLL, REDL, RTHL, RENL , RWY DIST marker LGT TWY : T1, T2 (Marking) TWY CL, TWY side stripe (LGT)TWY edge LGT, Taxiing guidance sign, TWY CL LGT(T2) |
| 3 | Stop bars | Nil |
| 4 | Remarks | (Marking) Overrun area (LGT) Apron flood LGT |

RJDT 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 | 341657.4N/1292220.9E | 689ft | - / LIM | above the horizontal surface |

RJDT 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 /Tr, 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 | REMOTE |
| 10 | Additional information (limitation of service, etc.) | Nil |

RJDT 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 |
| 14 | 136.04° | 1900x45 | PCN 61/F/A/X/T Asphalt-Concrete | 341727.79N 1291924.19E 303ft | THR ELEV : 205ft |
| 32 | 316.04° | 1900x45 | PCN 61/F/A/X/T Asphalt-Concrete | 341643.41N 1292015.77E 280ft | THR ELEV : 182ft |
| Slope of RWY | | Strip Dimensions(M) | RESA(Overrun) Dimensions(M) | | Remarks |
| 7 | 10 | | 11 | | 14 |
| SEE AD2.24 AD chart | | 2020x150 2020x150 | 40x150 125x(MNM:70 MAX:180)* | RWY Grooving:1900x30m | |
| *For detail, ask airport administrator | | | | | |

RJDT AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|-------------|-------------|-------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14 | 1900 | 1900 | 1900 | 1900 | Nil |
| 32 | 1900 | 1900 | 1900 | 1900 | Nil |

RJDT 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 | Green - | PAPI 3.0°/Left 342.8m 61ft | Nil | 1900m 30m Coded color (White/Red) LIH | 1900m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| 32 | Nil (*1) | Green - | PAPI 3.0°/Left 325.8m 61ft | Nil | 1900m 30m Coded color (White/Red) LIH | 1900m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| Remarks | | | | | | | | |
| 10 | | | | | | | | |
| APCH Guidance LGT (90m, 180m and 270m FM RWY THR) (*1) Overrun area edge LGT (LEN: 60m Color: Red) CGL for RWY 14 RWY THR ID LGT for RWY 14/32 THR (Color: White) | | | | | | | | |

RJDT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|--|--|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 341710N/1291929E, White/Green EV4.3sec, HO |
| 2 | LDI location and LGT Anemometer location and LGT | LDI: Nil Anemometer: RWY 14: 280m from RWY 14 THR, LGTD RWY 32: 370m from RWY 32 THR, LGTD |
| 3 | TWY edge and centerline lighting | TWY edge and center line lights installed, see AD2.9 |
| 4 | Secondary power supply/ switch-over time | Within 15 sec: All lights |
| 5 | Remarks | WDI LGT |

RJDT AD 2.16 HELICOPTER LANDING AREA

| |
|-----|
| Nil |
|-----|

RJDT AD 2.17 ATS AIRSPACE

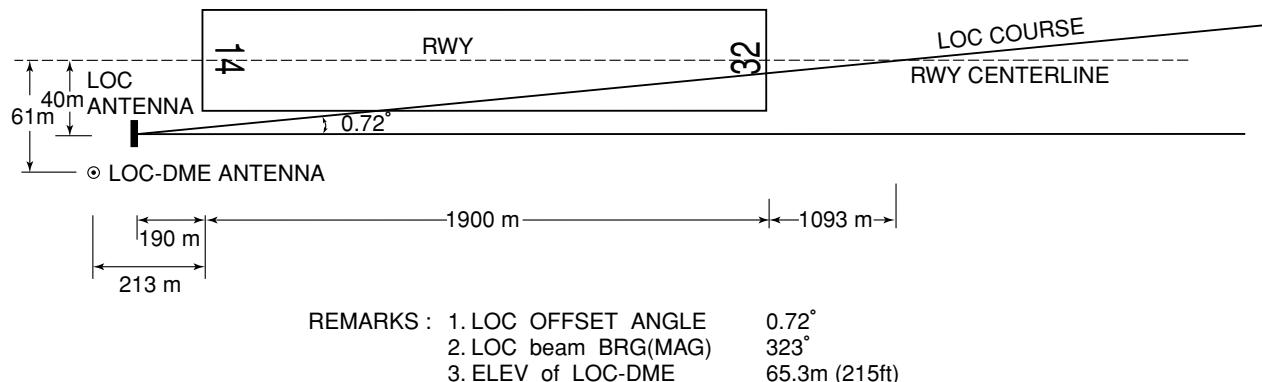
| Designation and lateral limits | | Vertical limits (ft) | Airspace classification | ATS unit call sign Language | Remarks |
|--------------------------------|--|----------------------|-------------------------|-----------------------------|---------|
| 1 | | 2 | 3 | 4 | 6 |
| Tsushima Information Zone | Area within a radius of 5nm(9km) of Tsushima ARP | 3,000 or below | E | Tsushima Remote En | |

RJDT AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|-----------------|----------------------|--------------------|--|
| 1 | 2 | 3 | 4 | 5 |
| A/G | Tsushima Remote | 124.3MHz 126.2MHz | 2230-1130 | Remote air-ground facilities controlled by Fukuoka FSC |

RJDT 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 (7°W/2008) | VCE | 111.45MHz | 2230 - 1130 | 341653.43N 1292013.24E | | VOR/DME unusable: 220°-230° beyond 15NM BLW 4000ft 230°-240° beyond 20NM BLW 4000ft |
| DME | VCE | 1138MHz (CH-51Y) | 2230 - 1130 | 341653.43N 1292013.24E | 220ft | |
| LOC 32 | IVC | 108.7MHz | 2230 - 1130 | 341731.34N 1291917.90E | | LOC: 190m(623ft) away FM RWY14 THR, 40m(131ft) SW of RCL, BRG (MAG) 323° Offset angle 0.72°. |
| LOC-DME 32 | IVC | 985MHz | 2230 - 1130 | 341731.38N 1291916.62E | 215ft | DME: 213m(699ft) away FM RWY14 THR, 61m(200ft) SW of RCL. |
| MSAS | | 1575.42MHz | H24 | | | Transmitting antennas are satellite based. |



RJDT 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

RJDT AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJDT AD 2.22 FLIGHT PROCEDURES**TAKE OFF MINIMA**

| | 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 | 14 | A,B,C,D | - | 400 | - | 400 | - | 500 | | | | | |
| | 32 | | | | | | | | | | | | |
| OTHER | 14 | A,B,C,D | AVBL LDG MINIMA | | | | | | | | | | |
| | 32 | | | | | | | | | | | | |

RJDT AD 2.23 ADDITIONAL INFORMATION

Nil

RJDT AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (IKISHIMA, LAGER)
Standard Departure Chart - Instrument (BAIRI-RNAV)
Standard Departure Chart - Instrument (SIYAT-RNAV)
Instrument Approach Chart (LOC Z RWY32)
Instrument Approach Chart (LOC Y RWY32)
Instrument Approach Chart (VOR RWY32)
Instrument Approach Chart (VOR RWY14)
Instrument Approach Chart (RNAV(GNSS) RWY14)
Other Chart (Visual REP)
Other Chart (LDG CHART)
Other Chart (MVA CHART)

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AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

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SID

IKISHIMA FIVE DEPARTURE

RWY 14 : Climb RWY HDG to 900FT,...

RWY 32 : Climb on HDG 338° to 900FT, turn right HDG 198°,...

...to intercept and proceed via VCE R153 to IKE VOR/DME.

Cross VCE R153/20.0DME at or above 4000FT.

Note RWY 32 : 3.9% climb gradient required up to 900FT.

OBST ALT 525FT located at 1.9NM 306° FM end of RWY 32.

LAGER TWO DEPARTURE

RWY 14 : Climb RWY HDG to 900FT, turn left,...

RWY 32 : Climb on HDG 338° to 900FT, turn right HDG 170°,...

...to intercept and proceed via VCE R125 to LAGER.

Note RWY 32 : 3.9% climb gradient required up to 900FT.

OBST ALT 525FT located at 1.9NM 306° FM end of RWY 32.

CHANGE : IKISHIMA FIVE DEPARTURE, LAGER TWO DEPARTURE



STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV SID

BAIRI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 8°W (2020)

BAIRI ONE DEPARTURE

RWY14 : Climb on HDG144° at or above 600FT, turn right direct to BAIRI at or above 4000FT, to IKE.

RWY32 : Climb on HDG324° at or above 900FT, turn right direct to DT200, to BAIRI at or above 4000FT,to IKE.

Note RWY32 : 5.2% climb gradient required up to 900FT.

OBST ALT 262FT located at 0.2NM 292° FM end of RWY32.

CHANGE : New PROC

STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV SID

BAIRI 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 (136.2) | -7.9 | — | — | +600 | — | — | Basic RNP1 |
| 002 | DF | BAIRI | — | — | -7.9 | — | R | +4000 | — | — | Basic RNP1 |
| 003 | TF | IKE | — | 154 (145.7) | -7.9 | 18.8 | — | — | — | — | Basic 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 (316.2) | -7.9 | — | — | +900 | — | — | Basic RNP1 |
| 002 | DF | DT200 | — | — | -7.9 | — | R | — | — | — | Basic RNP1 |
| 003 | TF | BAIRI | — | 169 (161.3) | -7.9 | 22.0 | — | +4000 | — | — | Basic RNP1 |
| 004 | TF | IKE | — | 154 (145.7) | -7.9 | 18.8 | — | — | — | — | Basic RNP1 |

CHANGE : New PROC

STANDARD DEPARTURE CHART - INSTRUMENT

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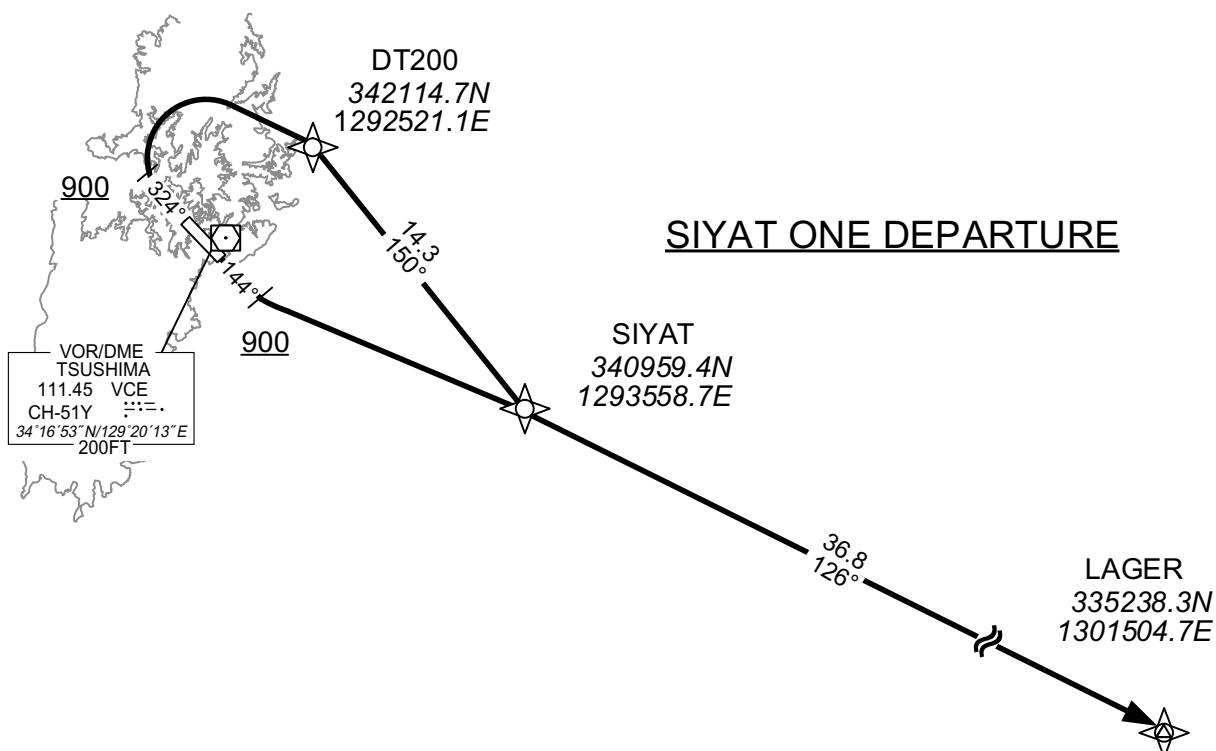
RNAV SID

SIYAT ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 8°W (2020)

SIYAT ONE DEPARTURE

RWY14 : Climb on HDG144° at or above 900FT, turn left direct to SIYAT, to LAGER.

RWY32 : Climb on HDG324° at or above 900FT, turn right direct to DT200, to SIYAT, to LAGER.

Note RWY32 : 5.2% climb gradient required up to 900FT.

OBST ALT 262FT located at 0.2NM 292° FM end of RWY32.

CHANGE : New PROC

STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV SID

SIYAT ONE DEPARTURE

RWY14

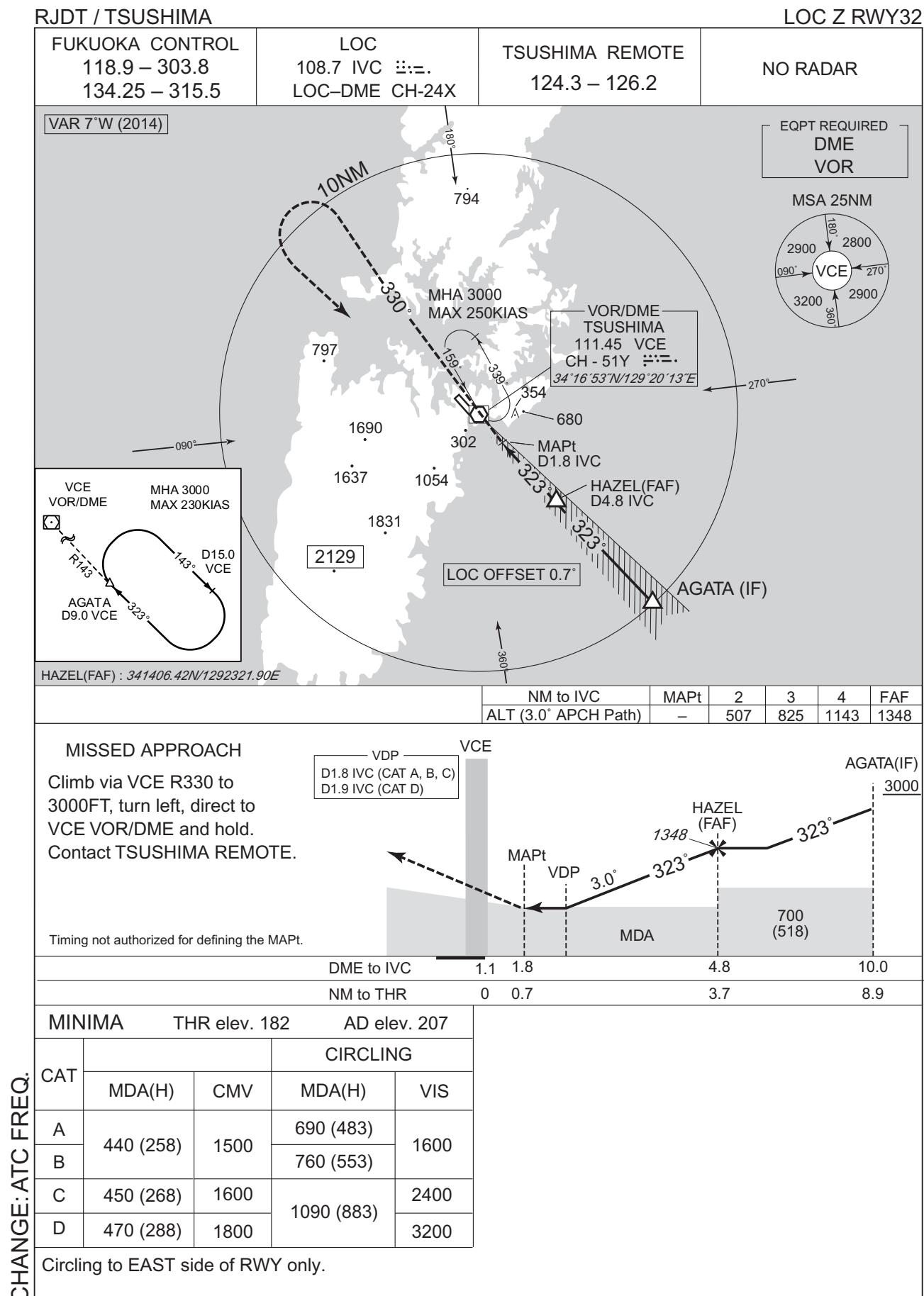
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 144 (136.2) | -7.9 | — | — | +900 | — | — | Basic RNP1 |
| 002 | DF | SIYAT | — | — | -7.9 | — | L | — | — | — | Basic RNP1 |
| 003 | TF | LAGER | — | 126 (118.0) | -7.9 | 36.8 | — | — | — | — | Basic RNP1 |

RWY32

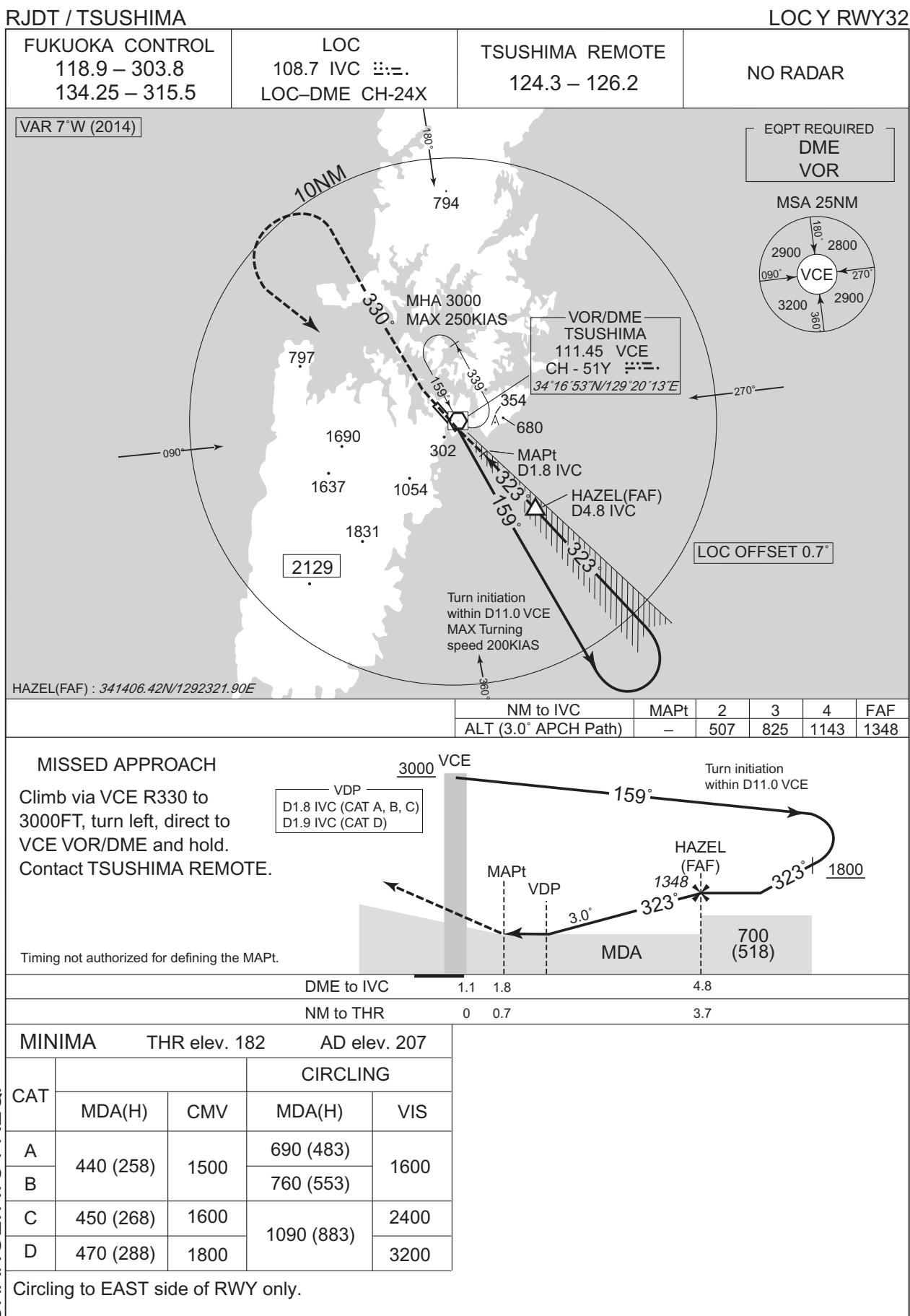
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 324 (316.2) | -7.9 | — | — | +900 | — | — | Basic RNP1 |
| 002 | DF | DT200 | — | — | -7.9 | — | R | — | — | — | Basic RNP1 |
| 003 | TF | SIYAT | — | 150 (142.0) | -7.9 | 14.3 | — | — | — | — | Basic RNP1 |
| 004 | TF | LAGER | — | 126 (118.0) | -7.9 | 36.8 | — | — | — | — | Basic RNP1 |

CHANGE : New PROC

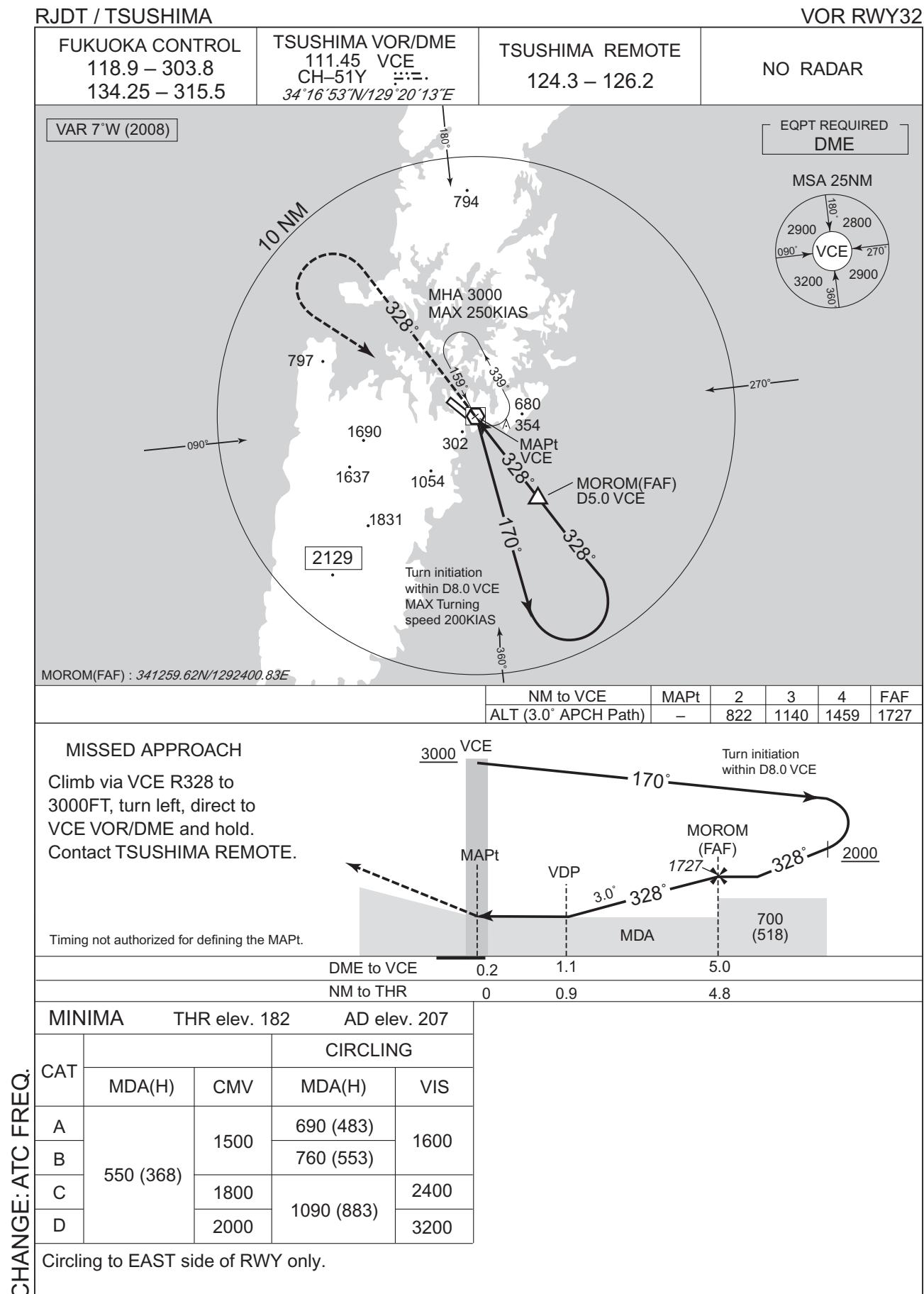
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



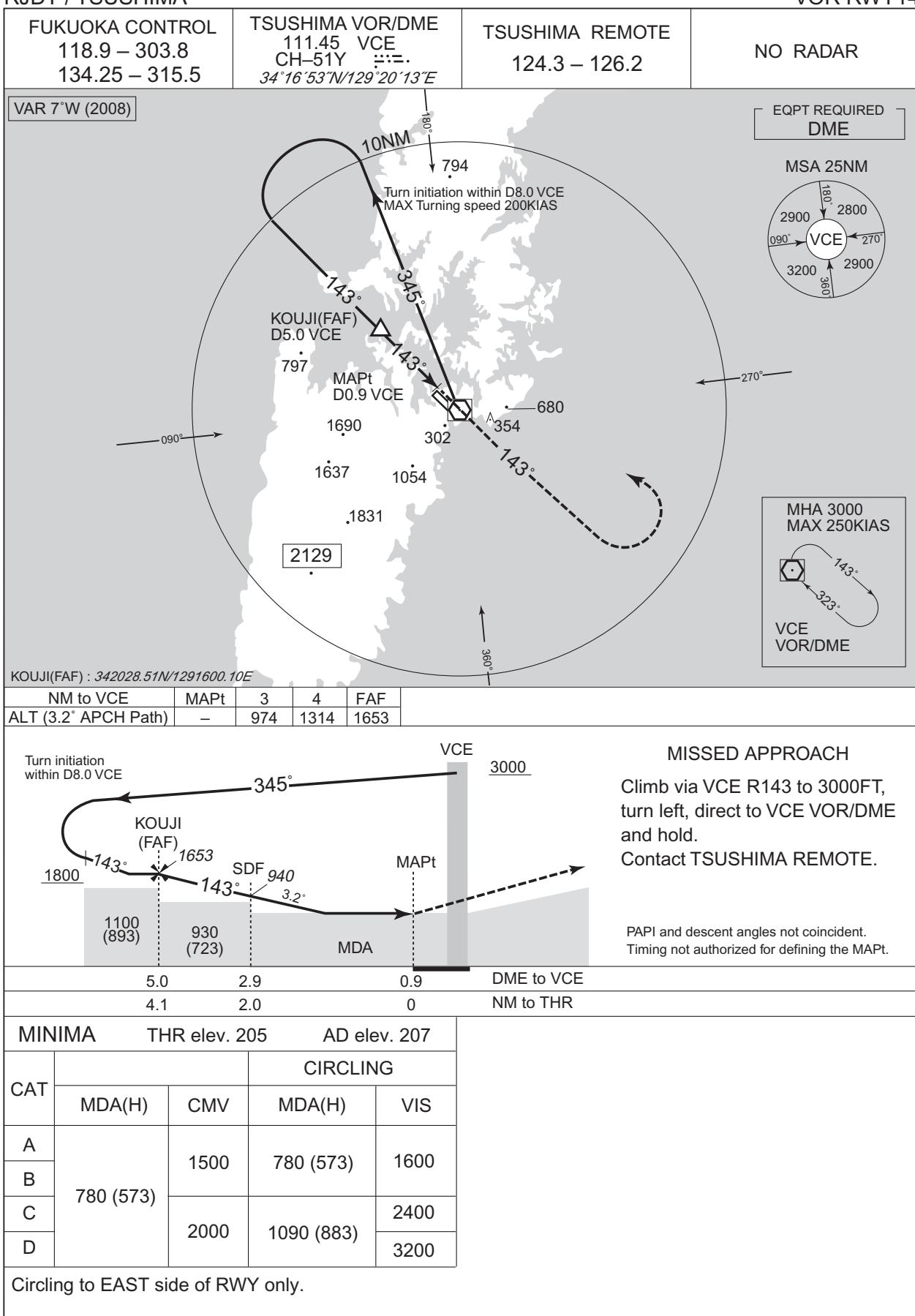
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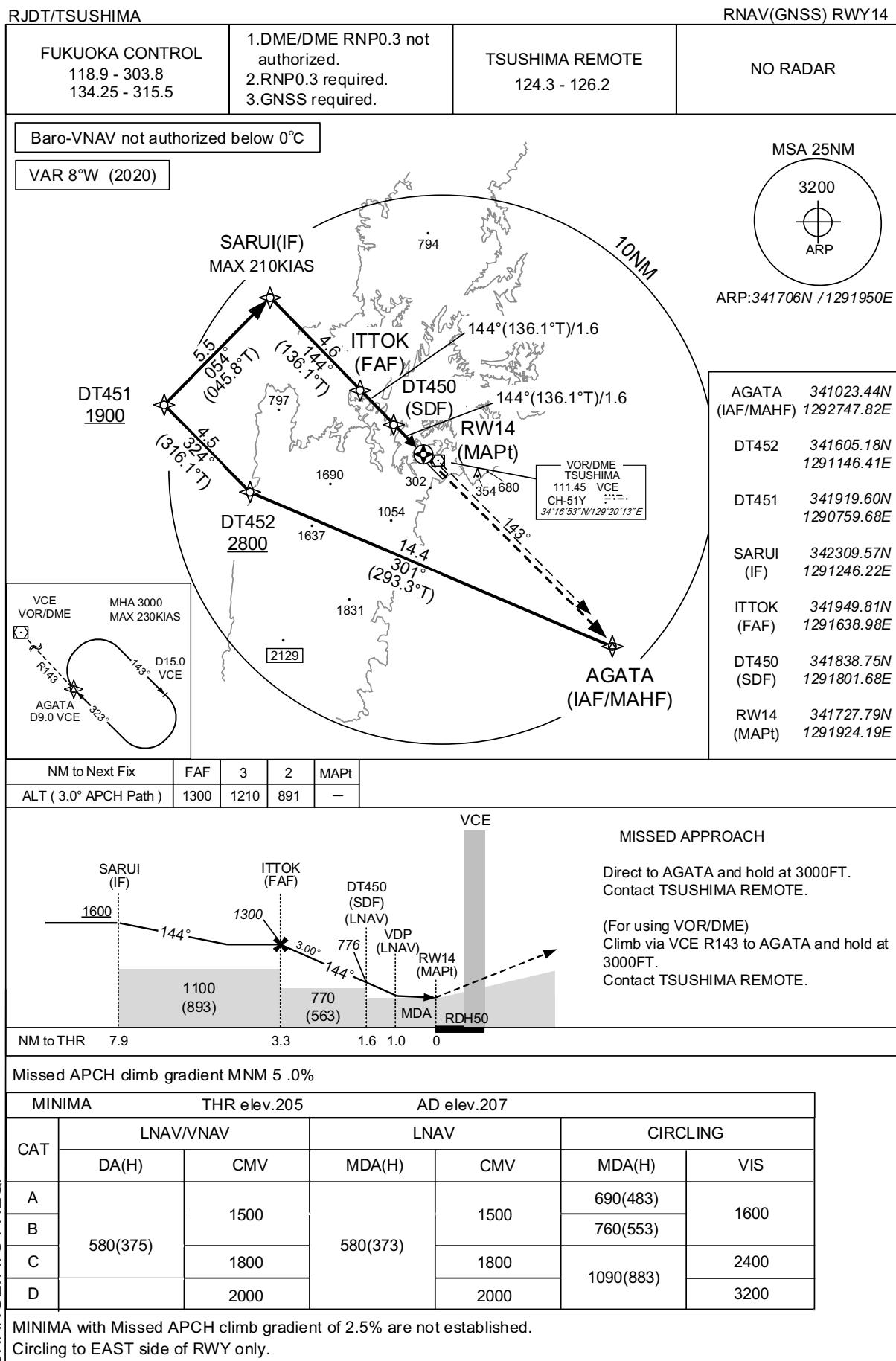
RJDT / TSUSHIMA

VOR RWY14



CHANGE:ATC FREQ.

INSTRUMENT APPROACH CHART



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Visual REP



| Call sign | BRG / DIST from ARP | Remarks |
|----------------------|---------------------|--------------------|
| 10NM SE | 135°/10.0NM | 海上 Over the sea |
| 厳原 Izuhara | 208°/ 6.0NM | 港 Harbor |
| 長崎鼻 Nagasaki-bana | 031°/ 8.0NM | 灯台 Lighthouse |

RJDT / TSUSHIMA

LDG CHART



RJDT / TSUSHIMA

Minimum Vectoring Altitude CHART

