

AD 2 AERODROMES

ROMY AD 2.1 AERODROME LOCATION INDICATOR AND NAME

ROMY - MIYAKO

ROMY AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|--|---|
| 1 | ARP coordinates and site at AD | 244658N 1251742E 038°/1.0km from RWY 04 THR |
| 2 | Direction and distance from (city) | |
| 3 | Elevation/ Reference temperature | 140ft / 32°C (2004-2008) |
| 4 | Geoid undulation at AD ELEV PSN | 94ft |
| 5 | MAG VAR/ Annual change | 4° W(2009)/3.8°W |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Okinawa Pref. Public AP. 1657-128 Aza-Shimozato, Hirara, Miyakojima-city, Okinawa Tel 0980-72-4127 Fax 0980-72-1958 |
| 7 | Types of traffic permitted(IFR/ VFR) | IFR/VFR |
| 8 | Remarks | Nil |

ROMY AD 2.3 OPERATIONAL HOURS

| | | |
|----|---------------------------|---|
| 1 | AD Administration | 2300 - 1200 |
| 2 | Customs and immigration | On request Customs: 0980-72-2310 Immigration: 0980-72-3440 |
| 3 | Health and sanitation | Quarantine(human): On request(0980-73-5115) Quarantine(animal, plant): Nil |
| 4 | AIS Briefing Office | Nil |
| 5 | ATS Reporting Office(ARO) | Nil |
| 6 | MET Briefing Office | H24 (NAHA) |
| 7 | ATS | 2300 - 1200 |
| 8 | Fuelling | On request |
| 9 | Handling | Ask AD administration |
| 10 | Security | Ask AD administration |
| 11 | De-icing | Nil |
| 12 | Remarks | Nil |

ROMY AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|-------------------------------------|
| 1 | Cargo-handling facilities | Conveyer belt, Lift for loading etc |
| 2 | Fuel/ oil types | JET A-1 |
| 3 | Fuelling facilities/ capacity | Tanker truck-refueling system |
| 4 | De-icing facilities | Nil |
| 5 | Hangar space for visiting aircraft | Nil |
| 6 | Repair facilities for visiting aircraft | Nil |
| 7 | Remarks | Nil |

ROMY AD 2.5 PASSENGER FACILITIES

| | | |
|---|----------------------|--|
| 1 | Hotels | Hotels in Miyakojima city |
| 2 | Restaurants | At airport In Miyakojima city |
| 3 | Transportation | Buses and Taxi |
| 4 | Medical facilities | Hospital 2.5km from airport |
| 5 | Bank and Post Office | At airport Bank in Miyakojima city / Post Office in Miyakojima city |
| 6 | Tourist Office | At airport In Miyakojima city |
| 7 | Remarks | Nil |

ROMY AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|---|
| 1 | AD category for fire fighting | Fire protection ; Scale of protection ICAO required : CAT 8 Available : CAT 8 |
| 2 | Rescue equipment | Chemical fire fighting truck x 3 |
| 3 | Capability for removal of disabled aircraft | Incapable |
| 4 | Remarks | Nil |

ROMY AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

ROMY AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|-------------------------------------|---|
| 1 | Apron surface and strength | Surface : Cement-concrete Strength : PCN 55/R/B/X/T |
| 2 | Taxiway width, surface and strength | Width : 30m Surface : Asphalt-concrete Strength : T1:PCN 58/F/C/X/T, T2:PCN 74/F/D/X/T |
| 3 | ACL and elevation | Not available |
| 4 | VOR checkpoints | Not available |
| 5 | INS checkpoints | Spot NR 1': 244650.84N 1251752.38E 2': 244649.82N 1251750.13E 3 : 244648.45N 1251750.11E 5 : 244647.05N 1251748.81E 6 : 244645.70N 1251747.44E |
| 6 | Remarks | Nil |

ROMY 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:04/22 (Marking) RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe, RWY turn pad edge, RWY turn pad CL, RWY middle point (LGT) RCLL, REDL, RTHL, RENL, WBAR, Turning point indicator LGT TWY: (Marking) TWY CL, TWY side stripe (LGT) TWY edge LGT, TWY CL LGT, Taxiing guidance sign |
| 3 | Stop bars | Nil |
| 4 | Remarks | (Marking) Overrun area (LGT) Apron flood LGT |

B-767型機用の滑走路180° 旋回用標識(灯火)及び実施要項

付図に示す転回灯1が一直線に見えるように進行し、転回灯2が一直線に見えた時転回を開始する。

転回時はMAX STEERING ANGLEを使用する。

Marking(Lights)for 180° turn on runway of B-767 aircraft and Procedure using the Marking

Proceed along the RWY Turn Pad Center Line Marking to see the Turning Point Indicator Light 1 on a straight line, then commence turn at the spot where you (pilot) can see the Turning Point Indicator Light 2 on a straight line at an angle of 9 o'clock. When turning, take MAX STEERING ANGLE.



ROMY AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas

| RWY/Area affected | Obstacle type | Coordinates | Elevation | Markings/LGT | Remarks |
|-------------------|---------------|----------------------|-----------|--------------|------------------------|
| RWY22 | Concrete tank | 244739.0N/1251816.0E | 183ft | - / LIL | under approach surface |
| RWY22 | Concrete tank | 244740.0N/1251815.0E | 182ft | - / - | under approach surface |

In circling area and at AD

| Obstacle type | Coordinates | Elevation | Markings/LGT | Remarks |
|---------------|----------------------|-----------|---------------|----------------------------|
| Building | 244732.5N/1251801.6E | 179ft | - / LIL | under transitional surface |
| Tower | 244815.1N/1251758.2E | 390ft | Marking / LIL | above horizontal surface |
| Building | 244649.0N/1251726.1E | 147ft | - / LIL | under transitional surface |

ROMY AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|----|---|---|
| 1 | Associated MET Office | NAHA |
| 2 | Hours of service MET Office outside hours | H24 (NAHA) |
| 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 NAHA |
| 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 | TWR |
| 10 | Additional information(limitation of service, etc.) | Nil |

ROMY 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 |
| 04 | 038.31 ° | 2000×45 | PCN 56/F/B/X/T Asphalt-concrete | 244632.65N 1251720.41E 93.5ft | THR ELEV: 124ft |
| 22 | 218.31 ° | 2000×45 | PCN 56/F/B/X/T Asphalt-concrete | 244723.66N 1251804.56E 93.7ft | THR ELEV: 149.9ft TDZ ELEV: 149.9ft |
| Slope of RWY | | Strip Dimensions(M) | RESA (Overrun) Dimensions (M) | | Remarks |
| 7 | | 10 | 11 | | 14 |
| See AD2.24 AD chart | | 2120×300 | 43×305 | | RWY Grooving:2000m×30m |
| | | 2120×300 | 192×(MNM:140 MAX:284)* *For detail, ask airport administrator | | |

ROMY AD 2.13 DECLARED DISTANCES

| | TORA | TODA | ASDA | LDA | |
|----------------|------|------|------|------|---------|
| RWY Designator | (m) | (m) | (m) | (m) | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 04 | 2000 | 2000 | 2000 | 2000 | Nil |
| 22 | 2000 | 2000 | 2000 | 2000 | Nil |

ROMY 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 |
| 04 | SALS (*1) 420m LIH | Green Green | PAPI 3.0°/Left 373.4m 61ft | - | 2000m 30m Coded color (White/Red) LIH | 2000m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| 22 | PALS (CAT I) 900m LIH | Green Green | PAPI 3.0° /Left 385.8m 61ft | 900m | 2000m 30m Coded color (White/Red) LIH | 2000m 60m Coded color (White/Yellow) LIH | Red | Nil (*2) |
| Remarks | | | | | | | | |
| 10 | | | | | | | | |
| SALS with APCH LGT beacon (600m and 900m FM RWY THR) (*1) Overrun area edge LGT(LEN:60m color:Red) (*2) | | | | | | | | |

ROMY AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|--|--|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 244648N/1251757E, White/Green EV4.3sec, HO |
| 2 | LDI location and LGT Anemometer location and LGT | LDI: Nil Anemometer : RWY 04 : 45m from RWY 04 THR, lighted RWY 22 : 150m from RWY 22 THR, lighted |
| 3 | TWY edge and center line lighting | TWY edge and center line lights installed, see AD2.9 |
| 4 | Secondary power supply/ switch-over time | Within 1 sec: REDL, RENL, RTHL, WBAR, RCLL, Turning point indicator LGT and Overrun area edge LGT Within 15 sec: other LGT |
| 5 | Remarks | WDI LGT |

ROMY AD 2.16 HELICOPTER LANDING AREA

| |
|-----|
| Nil |
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ROMY 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 |
| Miyako CTR | Area within a radius of 5nm of MIYAKO ARP | 3,000 or below | D | Miyako TWR En | |
| Sakishima ACA | See attached chart | | E | Sakishima APP Sakishima DEP Sakishima RADAR En | |

先島進入管制区
Sakishima Approach Control Area

ROMY AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign | Frequency | Hours of operation | Remarks |
|---------------------|--|---|--------------------|---------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| TWR | Miyako Tower | 118.2MHz(1) 126.2MHz | 2300 - 1200 | (1)Primary |
| APP/ASR | Sakishima Approach/ Sakishima Radar | 125.0MHz(1) 121.2MHz 120.3MHz 121.5MHz(E) 243.0MHz(E) | 2300 - 1200 | APP service provided by Sakishima APP |
| DEP | Sakishima Departure | 125.0MHz 121.5MHz(E) 243.0MHz(E) | 2300 - 1200 | |

ROMY 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 (4°W/2013) | MJC | 113.45MHz | H24 | 244638.61N/ 1251736.27E | | |
| TACAN | MJC | 1042MHz (CH-81Y) | H24 | 244637.24N/ 1251735.33E | 152ft | TACAN AZM unusable: 050° - 060° beyond 20nm BLW 3000ft. 060° - 090° beyond 30nm BLW 3000ft. 090° - 110° beyond 25nm BLW 3000ft. 110° - 130° beyond 30nm BLW 3000ft. 130° - 160° beyond 35nm BLW 3000ft. |
| ILS-LOC 22 | IMY | 108.9MHz | 2300 - 1200 | 244626.65N/ 1251715.21E | | LOC: 235m(771ft) away FM RWY 04 THR, BRG(MAG) 223° |
| ILS-GP 22 | - | 329.3MHz | 2300 - 1200 | 244713.24N/ 1251800.99E | | GP: 315m(1033ft) inside FM RWY 22 THR. 120m(394ft) SE of RCL Angle 3.0°, HGT of ILS Ref datum 16.5m(54ft) |
| ILS-DME 22 | IMY | 987MHz | 2300 - 1200 | 244712.74N/ 1251801.01E | 163ft | DME: 325m(1066ft) inside FM RWY 22 THR. 130m(427ft) SE of RCL. |
| MSAS | | 1575.42MHz | H24 | | | Transmitting antennas are satellite based |



REMARKS : 1. ILS-LOC beam BRG(MAG) 223°
2. HGT of ILS REF datum 16.5m(54ft)
3. ILS-GP Angle 3.0°

ROMY 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 |
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4. Parking area for helicopters

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| Nil |
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5. Apron - taxiing during winter conditions

| |
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| Nil |
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6. Taxiing - limitations

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

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

8. Helicopter traffic - limitation

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

9. Removal of disabled aircraft from runways

| |
|-----|
| Nil |
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ROMY AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

ROMY AD 2.22 FLIGHT PROCEDURES

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

If radio communications with Sakishima Approach/Radar are lost for one minute, squawk Mode A/3 Code 7600 and:

- 1) Contact Miyako Tower.
- 2) If unable, proceed in accordance with visual flight rules.
- 3) If unable, proceed to Miyakojima VORTAC at the last assigned altitude, or 3,000 feet whichever is higher, and execute instrument approach.

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

2. 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 | 04 | A,B,C,D | - | 400m | - | 400m | - | 500m |
| | 22 | A,B,C,D | 400m | 400m | 400m | 400m | - | 500m |
| OTHER | 04 | A,B,C,D | AVBL LDG MINIMA | | | | | |
| | 22 | A,B,C,D | | | | | | |

3. Terminal Radar Alphanumeric Display System (TRAD)

先島アプローチの指示のもとに、当該進入管制区を飛行する航空機は、モード A/3 の二次レーダー個別コード及びモード C による応答を指示される。

二次レーダー個別コードを搭載していない航空機が当該コードによる応答を指示された場合は、管制官に対しその旨通報すること。

Aircraft flying under control of Sakishima approach control in the approach control area will be instructed to reply with discrete code on Mode A/3 and Mode C.

If an aircraft with non-discrete code capability be instructed to reply with the discrete code, it shall report a controller accordingly.

ROMY AD 2.23 ADDITIONAL INFORMATION

Nil

ROMY AD 2.24 CHARTS RELATED TO AN AERODROME

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|--|
| Aerodrome/Heliport Chart |
| Standard Departure Chart - Instrument (TORII-RNAV, UMAKI-RNAV) |
| Standard Departure Chart - Instrument (NAHA, WEST) |
| Standard Arrival Chart - Instrument (COOBA EAST-RNAV) |
| Standard Arrival Chart - Instrument (YUTAH WEST-RNAV) |
| Standard Arrival Chart - Instrument (COOBA NORTH-RNAV) |
| Standard Arrival Chart - Instrument (YUTAH NORTH-RNAV) |
| Instrument Approach Chart (ILS Z or LOC Z RWY 22) |
| Instrument Approach Chart (ILS Y or LOC Y RWY 22) |
| Instrument Approach Chart (VOR RWY 04) |
| Instrument Approach Chart (VOR RWY 22) |
| Instrument Approach Chart (RNAV (GNSS) Z RWY 04) |
| Instrument Approach Chart (RNAV (RNP) Y RWY 04) |
| Instrument Approach Chart (RNAV (RNP) X RWY 04) |
| Other Chart (Visual REP) |
| Other Chart (MVA CHART) |

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AD CHART



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STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID

| TORII TWO DEPARTURE | | | RNAV1 |
|--|-----------------------|--|-------|
| NOTE 1) GNSS required. 2) RADAR service required. | Critical DME | — | |
| | DME GAP | RWY04 : DER - TORII RWY22 : DER - TORII | |
| | Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1. | |

VAR 5°W (2015)

VOR/DME
SHIMOJISHIMA
117.1 SJE
CH-118X
24°49'19"N/125°08'38"E
100FT

SHIMOJISHIMA
AP

VORTAC
MIYAKOJIMA
113.45 MJC
CH-81Y
24°46'39"N/125°17'36"E
200FT

TORII TWO DEPARTURE



TORII TWO DEPARTURE

RWY04 : Climb on HDG043° at or above 700FT, turn right direct to SANIT, to TORII.

RWY22 : Climb on HDG223° at or above 600FT, turn left direct to SANIT, to TORII.

TORII TWO DEPARTURE

RWY04

| 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 | — | — | 043 (038.2) | -4.5 | — | — | +700 | — | — | RNAV1 |
| 002 | DF | SANIT | — | — | -4.5 | — | R | — | — | — | RNAV1 |
| 003 | TF | TORII | — | 065 (060.7) | -4.5 | 23.5 | — | — | — | — | RNAV1 |

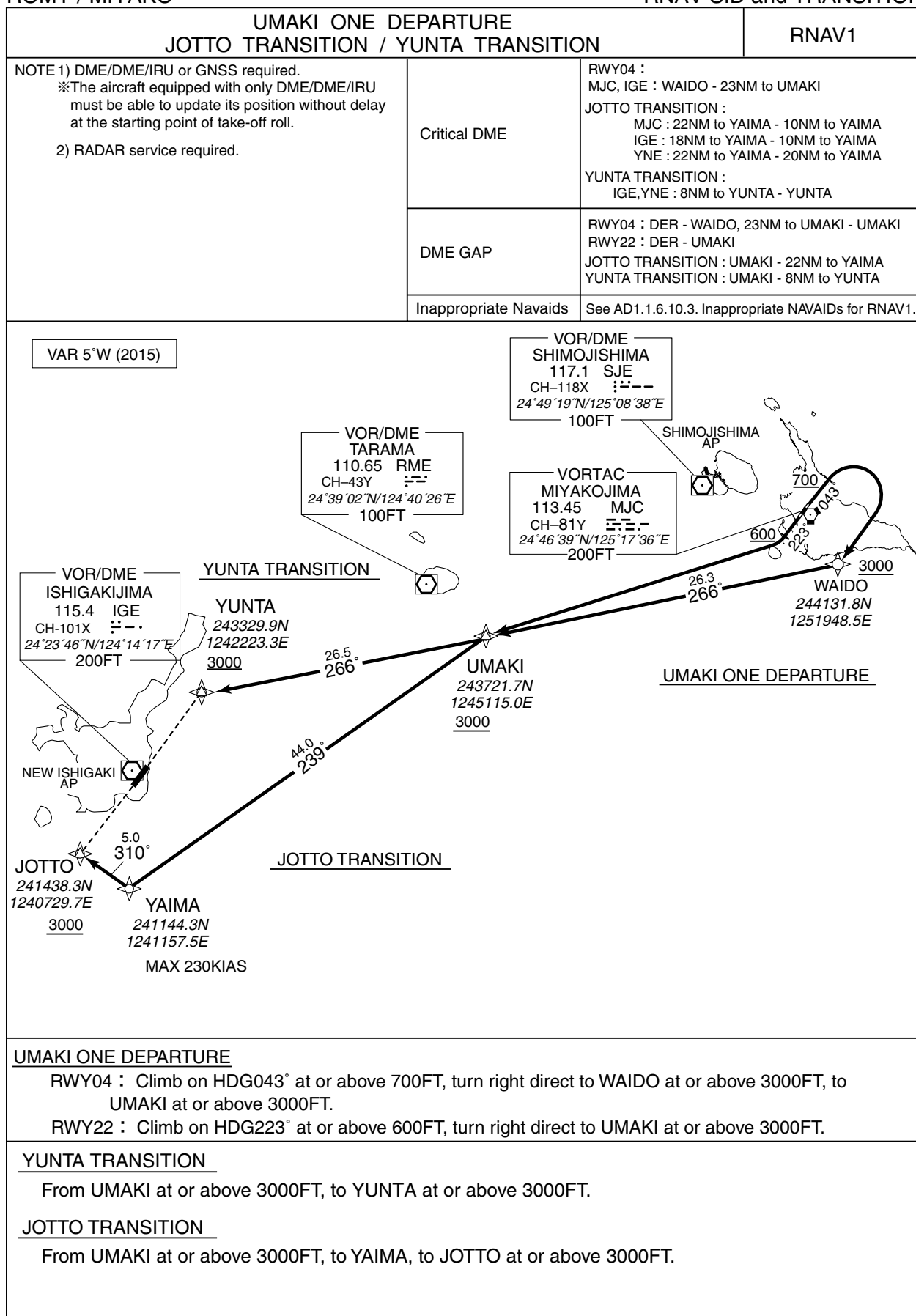
RWY22

| 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 | — | — | 223 (218.2) | -4.5 | — | — | +600 | — | — | RNAV1 |
| 002 | DF | SANIT | — | — | -4.5 | — | L | — | — | — | RNAV1 |
| 003 | TF | TORII | — | 065 (060.7) | -4.5 | 23.5 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION



STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

UMAKI ONE DEPARTURE

RWY04

| 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 | — | — | 043 (038.2) | -4.5 | — | — | +700 | — | — | RNAV1 |
| 002 | DF | WAIDO | — | — | -4.5 | — | R | +3000 | — | — | RNAV1 |
| 003 | TF | UMAKI | — | 266 (261.0) | -4.5 | 26.3 | — | +3000 | — | — | RNAV1 |

RWY22

| 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 | — | — | 223 (218.2) | -4.5 | — | — | +600 | — | — | RNAV1 |
| 002 | DF | UMAKI | — | — | -4.5 | — | R | +3000 | — | — | RNAV1 |

YUNTA TRANSITION

| 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 | UMAKI | — | — | -4.5 | — | — | +3000 | — | — | RNAV1 |
| 002 | TF | YUNTA | — | 266 (261.7) | -4.5 | 26.5 | — | +3000 | — | — | RNAV1 |

JOTTO TRANSITION

| 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 | UMAKI | — | — | -4.5 | — | — | +3000 | — | — | RNAV1 |
| 002 | TF | YAIMA | — | 239 (234.5) | -4.5 | 44.0 | — | — | -230 | — | RNAV1 |
| 003 | TF | JOTTO | — | 310 (305.5) | -4.5 | 5.0 | — | +3000 | — | — | RNAV1 |

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

SID

NAHA SIX DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...

RWY 22 : Climb RWY HDG to 600FT, turn left HDG015°...
... to intercept and proceed via MJC R060 to PAYAO.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

SID

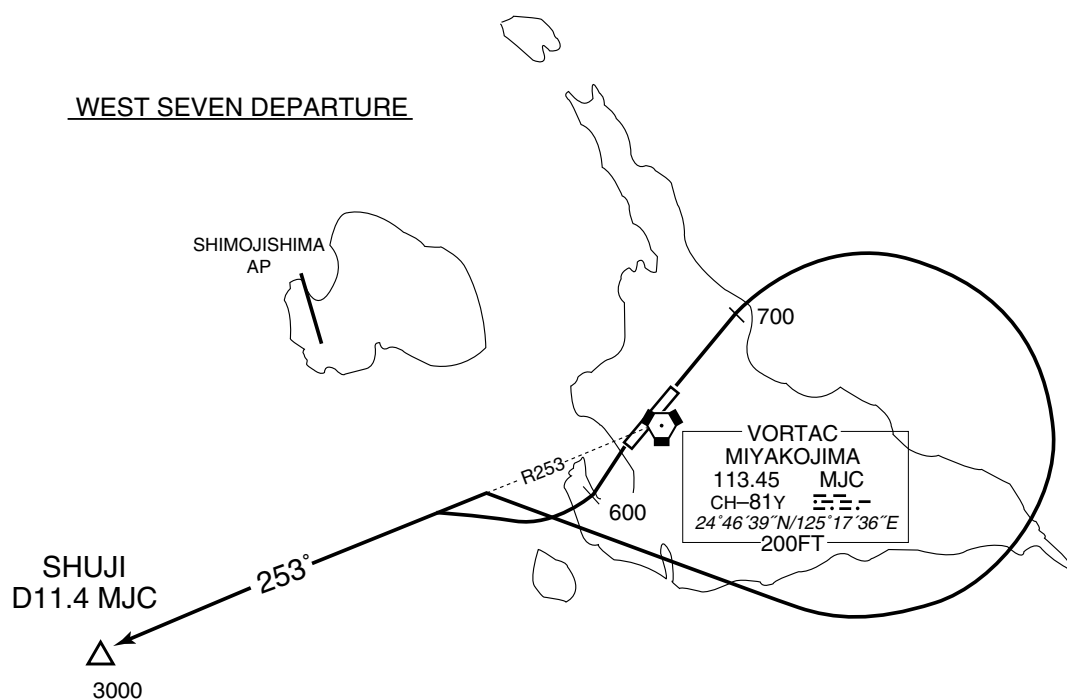
WEST SEVEN DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...

RWY 22 : Climb RWY HDG to 600FT, turn right...

... to intercept and proceed via MJC R253 to SHUJI.

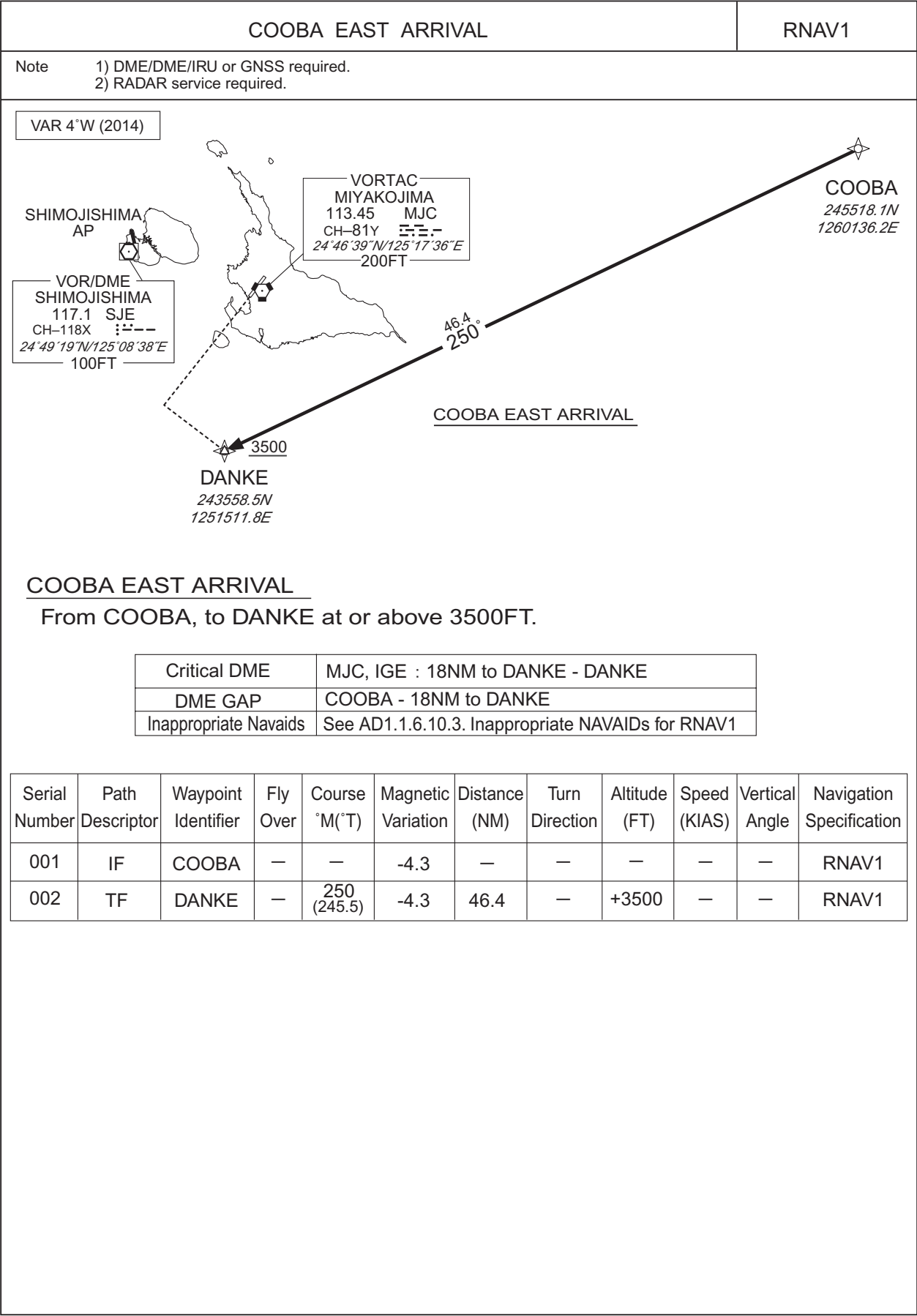
Cross SHUJI at or above 3000FT.



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY04



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

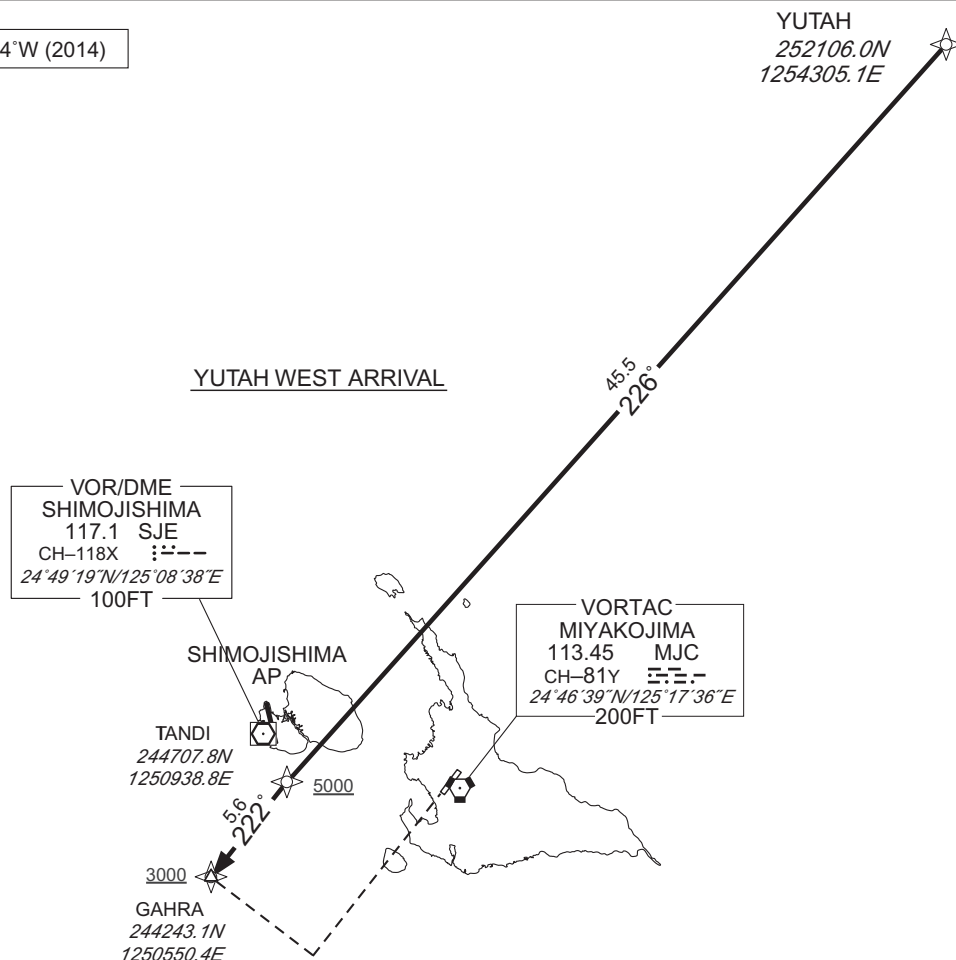
RNAV STAR RWY04

YUTAH WEST ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 4°W (2014)



YUTAH WEST ARRIVAL

From YUTAH, to TANDI at or above 5000FT, to GAHRA at or above 3000FT.

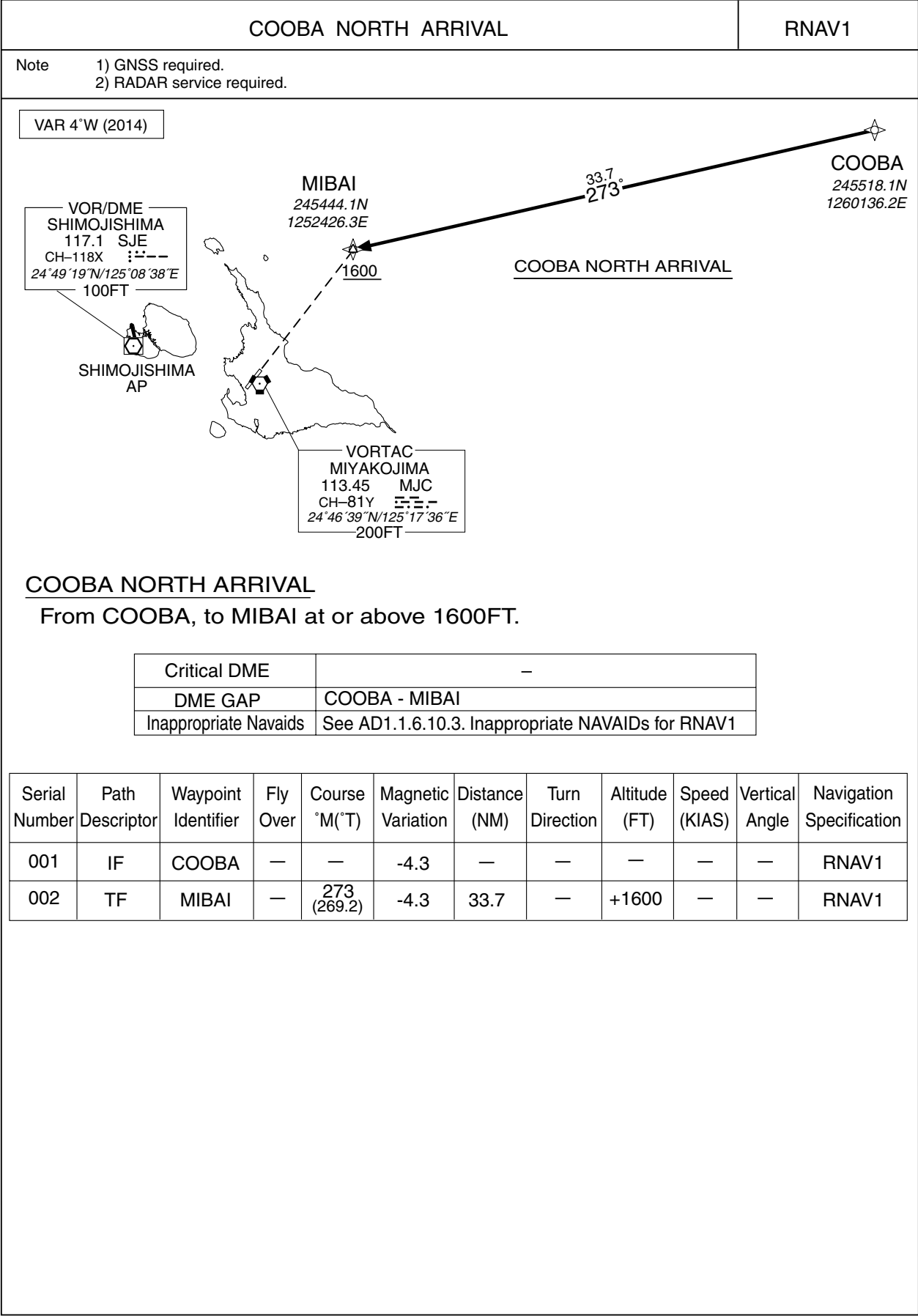
| | |
|-----------------------|---|
| Critical DME | MJC, IGE : 8NM to TANDI - TANDI |
| DME GAP | YUTAH - 8NM to TANDI TANDI - GAHRA |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| 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 | YUTAH | — | — | -4.3 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANDI | — | 226 (221.8) | -4.3 | 45.5 | — | +5000 | — | — | RNAV1 |
| 003 | TF | GAHRA | — | 222 (218.1) | -4.3 | 5.6 | — | +3000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22

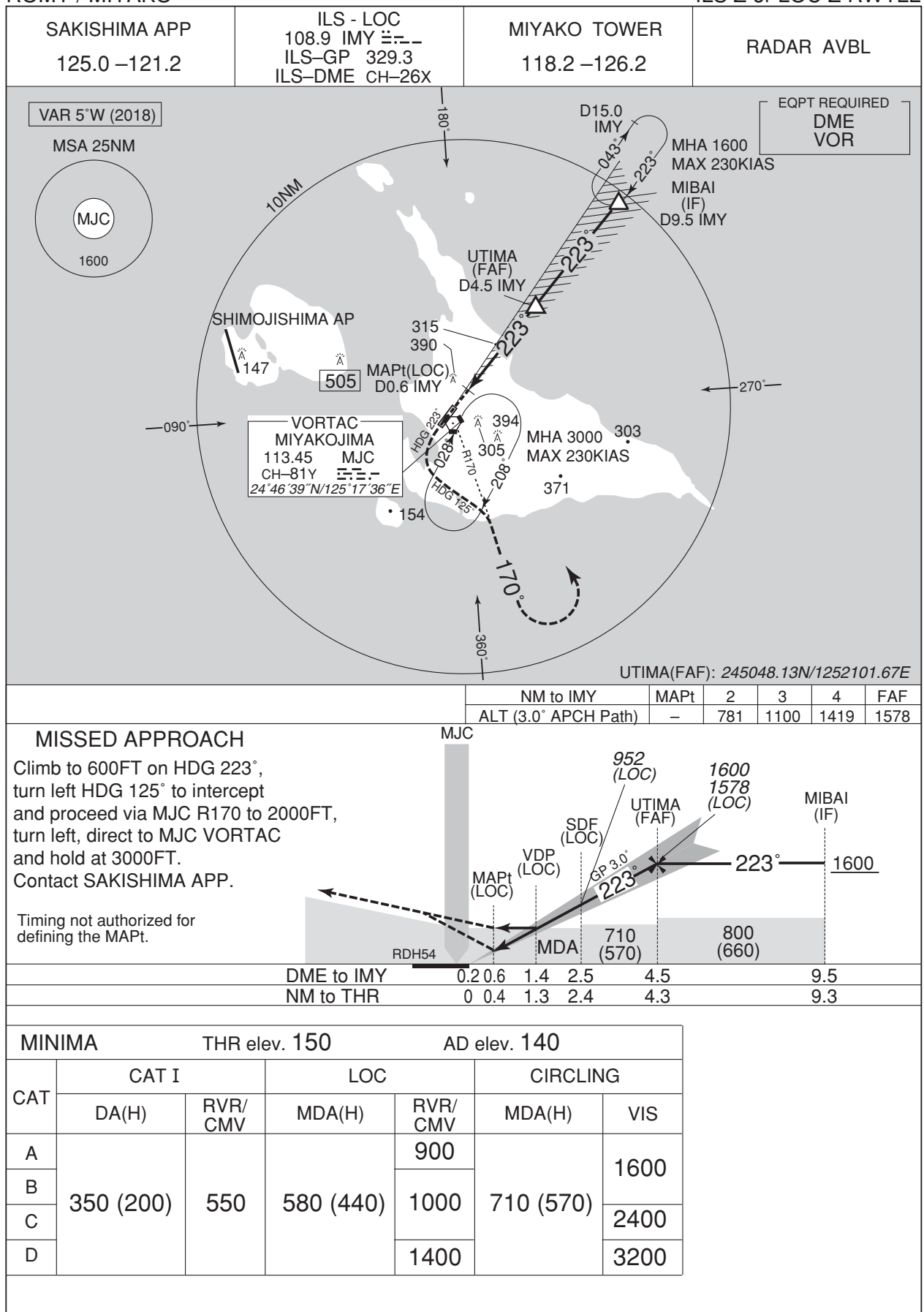


CHANGE: ALT restriction added in Coding Table.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

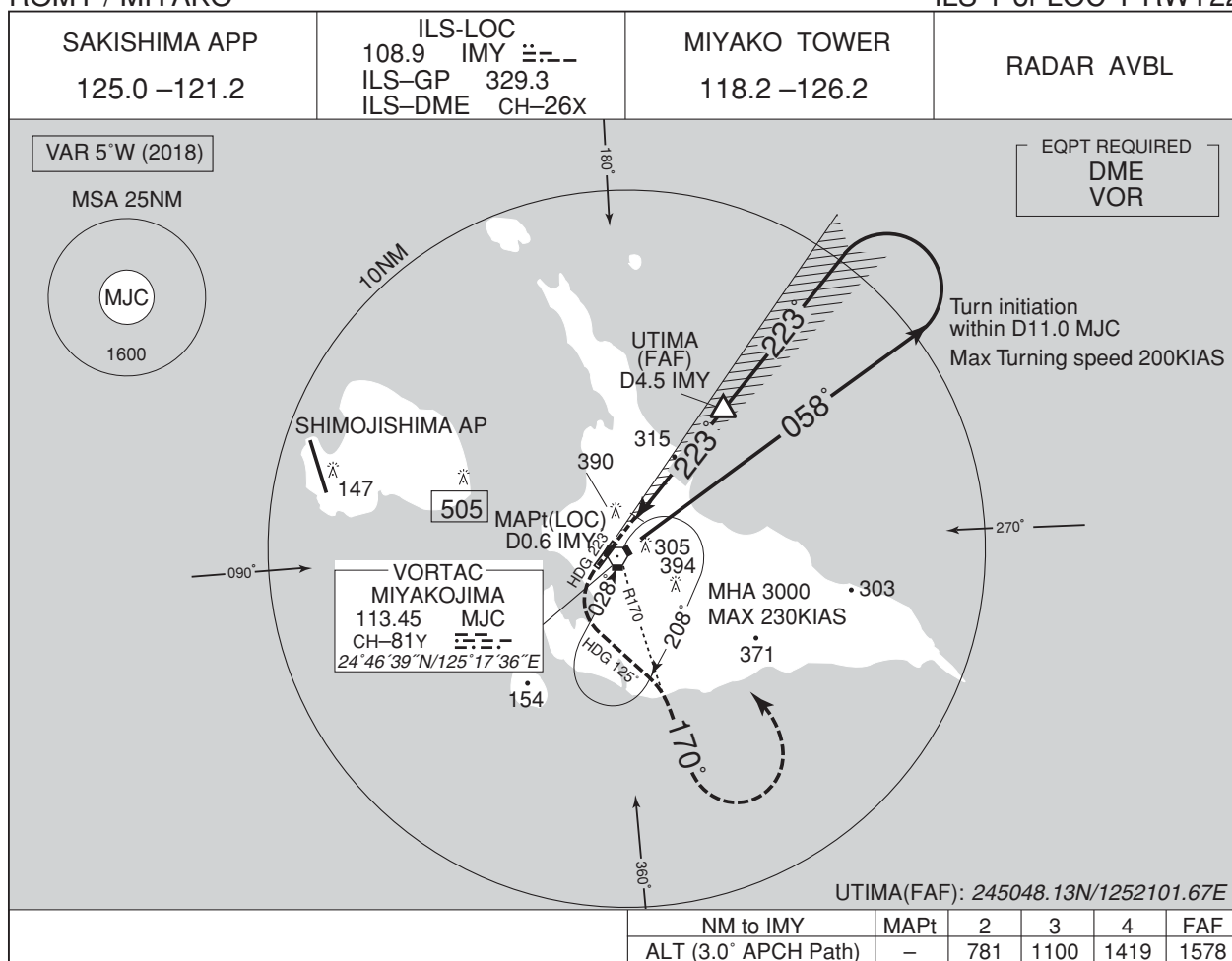
ILS Z or LOC Z RWY22



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

ILS Y or LOC Y RWY22



MISSED APPROACH

Climb to 600FT on HDG 223°, turn left HDG 125° to intercept and proceed via MJC R170 to 2000FT, turn left, direct to MJC VORTAC and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



| | | | | | |
|------------|-----|-----|-----|-----|-----|
| DME to IMY | 0.2 | 0.6 | 1.4 | 2.5 | 4.5 |
| NM to THR | 0 | 0.4 | 1.3 | 2.4 | 4.3 |

| MINIMA | | THR elev. 150 | | AD elev. 140 | | |
|--------|-----------|---------------|-----------|--------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 350 (200) | 550 | 580 (440) | 900 | 710 (570) | 1600 |
| B | | | | 1000 | | 2400 |
| C | | | | | | |
| D | | | | | | |

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

VOR RWY04



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

VOR RWY22



ROMY / MIYAKO

RNAV(GNSS) Z RWY04

MISSED APPROACH

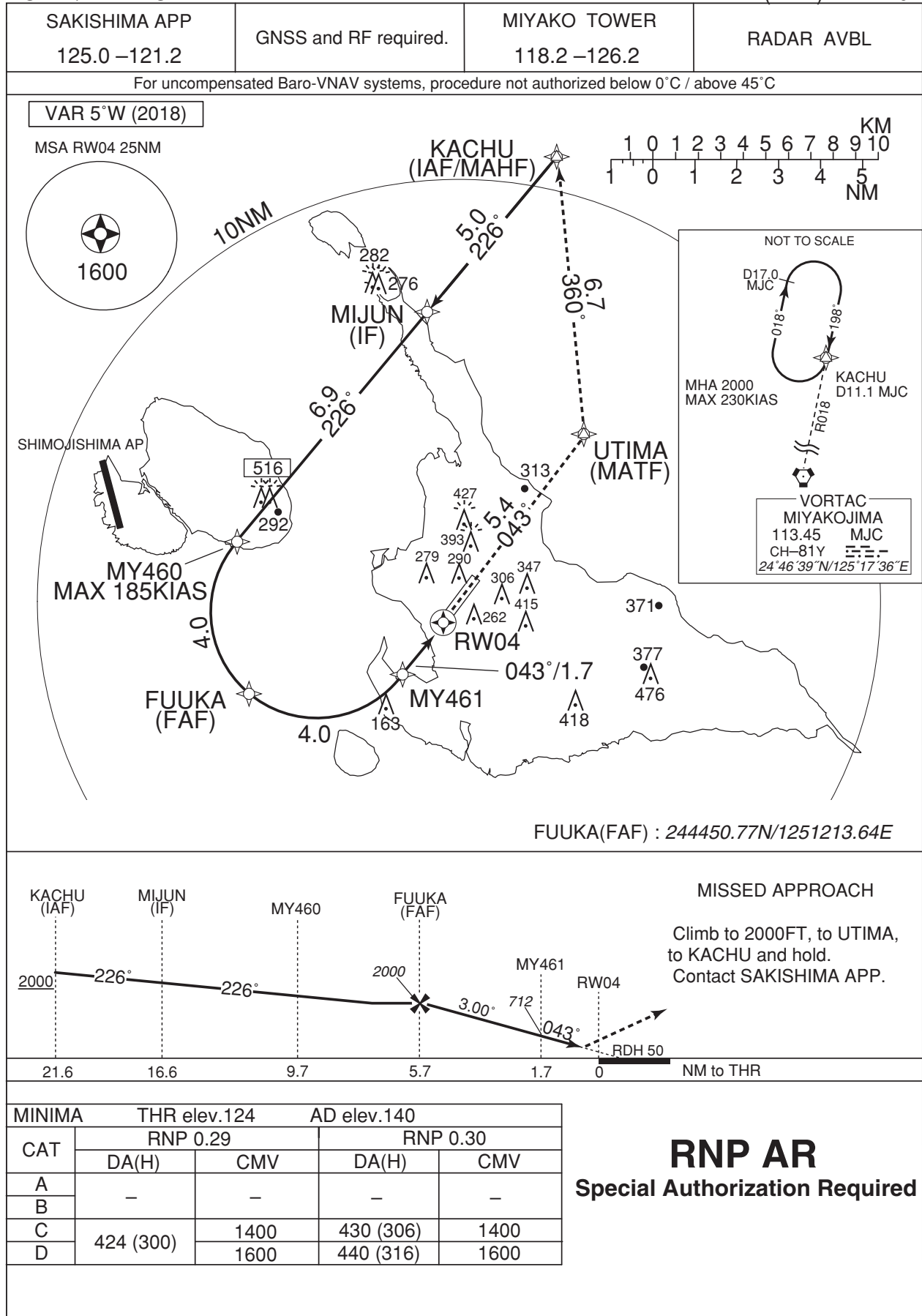
Climb direct to UTIMA, turn right direct to DANKE and hold at 2000FT.
Contact SAKISHIMA APP.

(For using VORTAC)
Climb via MJC R041 to UTIMA, turn right HDG241° to intercept and proceed via MJC R196 to DANKE and hold at 2000FT.
Contact SAKISHIMA APP.

| | | | | | | | |
|--------|-----------|---------------|----------|--------------|----------|-----------|--|
| 9.5 | | 4.5 | | 0 | | NM to THR | |
| | | | | | | | |
| MINIMA | | THR elev. 124 | | AD elev. 140 | | | |
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | | |
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS | |
| A | 460(336) | 1200 | 460(336) | 1200 | 710(570) | 1600 | |
| B | | 1300 | | 1300 | | | |
| C | 480(356) | 1400 | 480(356) | 1400 | | 2400 | |
| D | | 1600 | | 1600 | | 3200 | |
| | | | | | | | |

INSTRUMENT APPROACH CHART

ROMY / MIYAKO RNAV(RNP) Y RWY04



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) Y RWY04

RNAV(RNP) Y RWY04Coding Table

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 001 | IF | KACHU | — | — | -4.8 | — | — | +2000 | — | — | — |
| 002 | TF | MIJUN | — | 226 (220.8) | -4.8 | 5.0 | — | — | — | — | 1.0 |
| 003 | TF | MY460 | — | 226 (220.7) | -4.8 | 6.9 | — | +2000 | -185 | — | 1.0 |
| 004 | RF Center: MYRF1 r=2.52NM | FUUKA | — | — | -4.8 | 4.0 | L | 2000 | — | — | 1.0 |
| 005 | RF Center: MYRF1 r=2.52NM | MY461 | — | — | -4.8 | 4.0 | L | 712 | — | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -4.8 | 1.7 | — | 174 | — | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | — | 043 (038.2) | -4.8 | 5.4 | — | — | — | — | 1.0 |
| 008 | TF | KACHU | — | 360 (355.6) | -4.8 | 6.7 | — | 2000 | — | — | 1.0 |

Waypoint Coordinates

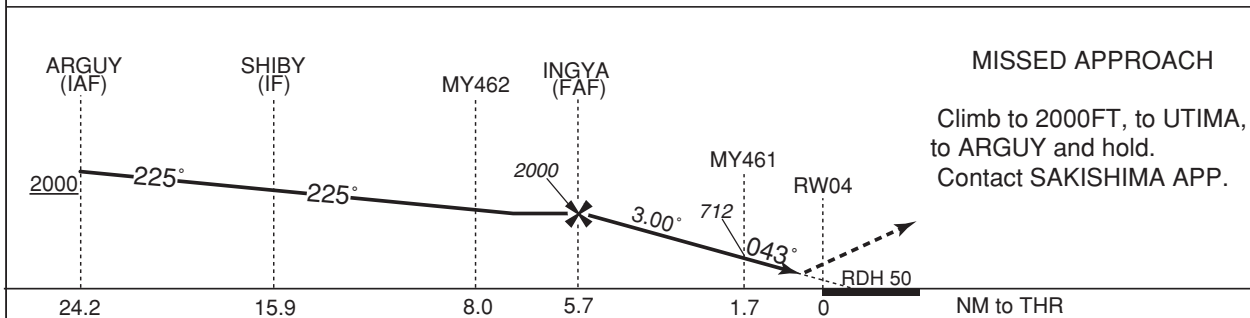
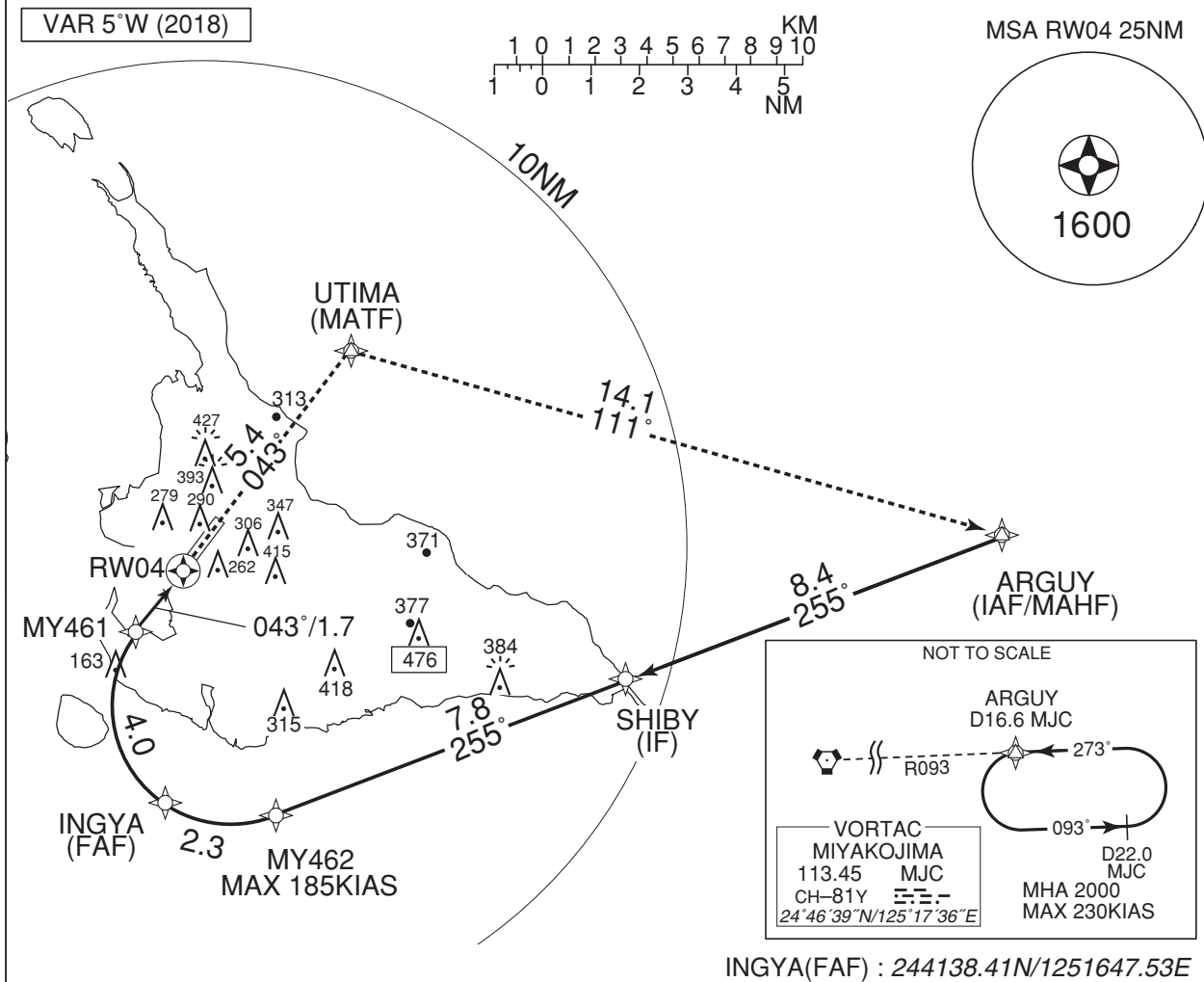
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| KACHU | 245726.14N/1252027.95E | MYRF1 | 244646.77N/1251400.81E |
| MIJUN | 245338.80N/1251651.84E | | |
| MY460 | 244826.09N/1251155.10E | | |
| FUUKA | 244450.77N/1251213.64E | | |
| MY461 | 244512.72N/1251611.26E | | |
| RW04 | 244632.65N/1251720.41E | | |
| UTIMA | 245048.13N/1252101.67E | | |

ROMY / MIYAKO

RNAV(RNP) X RWY04

| | | | |
|-------------------------------|-----------------------|------------------------------|------------|
| SAKISHIMA APP 125.0 –121.2 | GNSS and RF required. | MIYAKO TOWER 118.2 –126.2 | RADAR AVBL |
|-------------------------------|-----------------------|------------------------------|------------|

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C



| MINIMA | | THR elev.124 | AD elev.140 | |
|--------|-----------|--------------|-------------|------|
| CAT | RNP 0.29 | | RNP 0.30 | |
| | DA(H) | CMV | DA(H) | CMV |
| A | — | — | — | — |
| B | | | | |
| C | 424 (300) | 1400 | 430 (306) | 1400 |
| D | | 1600 | 440 (316) | 1600 |

RNP AR
Special Authorization Required

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) X RWY04

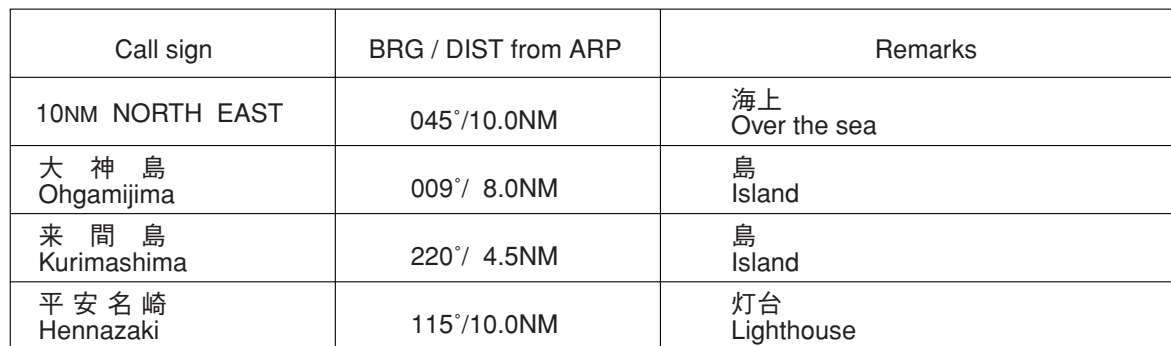
RNAV(RNP) X RWY04Coding Table

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course 'M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 001 | IF | ARGUY | — | — | -4.8 | — | — | +2000 | — | — | — |
| 002 | TF | SHIBY | — | 255 (250.0) | -4.8 | 8.4 | — | — | — | — | 1.0 |
| 003 | TF | MY462 | — | 255 (250.0) | -4.8 | 7.8 | — | +2000 | -185 | — | 1.0 |
| 004 | RF Center: MYRF2 r=2.46NM | INGYA | — | — | -4.8 | 2.3 | R | 2000 | — | — | 1.0 |
| 005 | RF Center: MYRF2 r=2.46NM | MY461 | — | — | -4.8 | 4.0 | R | 712 | — | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -4.8 | 1.7 | — | 174 | — | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | — | 043 (038.2) | -4.8 | 5.4 | — | — | — | — | 1.0 |
| 008 | TF | ARGUY | — | 111 (106.1) | -4.8 | 14.1 | — | 2000 | — | — | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| ARGUY | 244652.87N/1253554.53E | MYRF2 | 244340.95N/1251818.44E |
| SHIBY | 244401.74N/1252716.29E | | |
| MY462 | 244121.83N/1251913.79E | | |
| INGYA | 244138.41N/1251647.53E | | |
| MY461 | 244512.72N/1251611.26E | | |
| RW04 | 244632.65N/1251720.41E | | |
| UTIMA | 245048.13N/1252101.67E | | |

Visual REP



ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 4°W (2013)



CENTER : 244938N/1250827E (RORS RADAR SITE)
 CENTER : 242310N/1241441E (ROIG RADAR SITE)

*1 : 244015N/1244143E RADIUS : 3NM
 *2 : 242248N/1240952E RADIUS : 3NM
 *3 : 242538N/1241100E RADIUS : 5NM