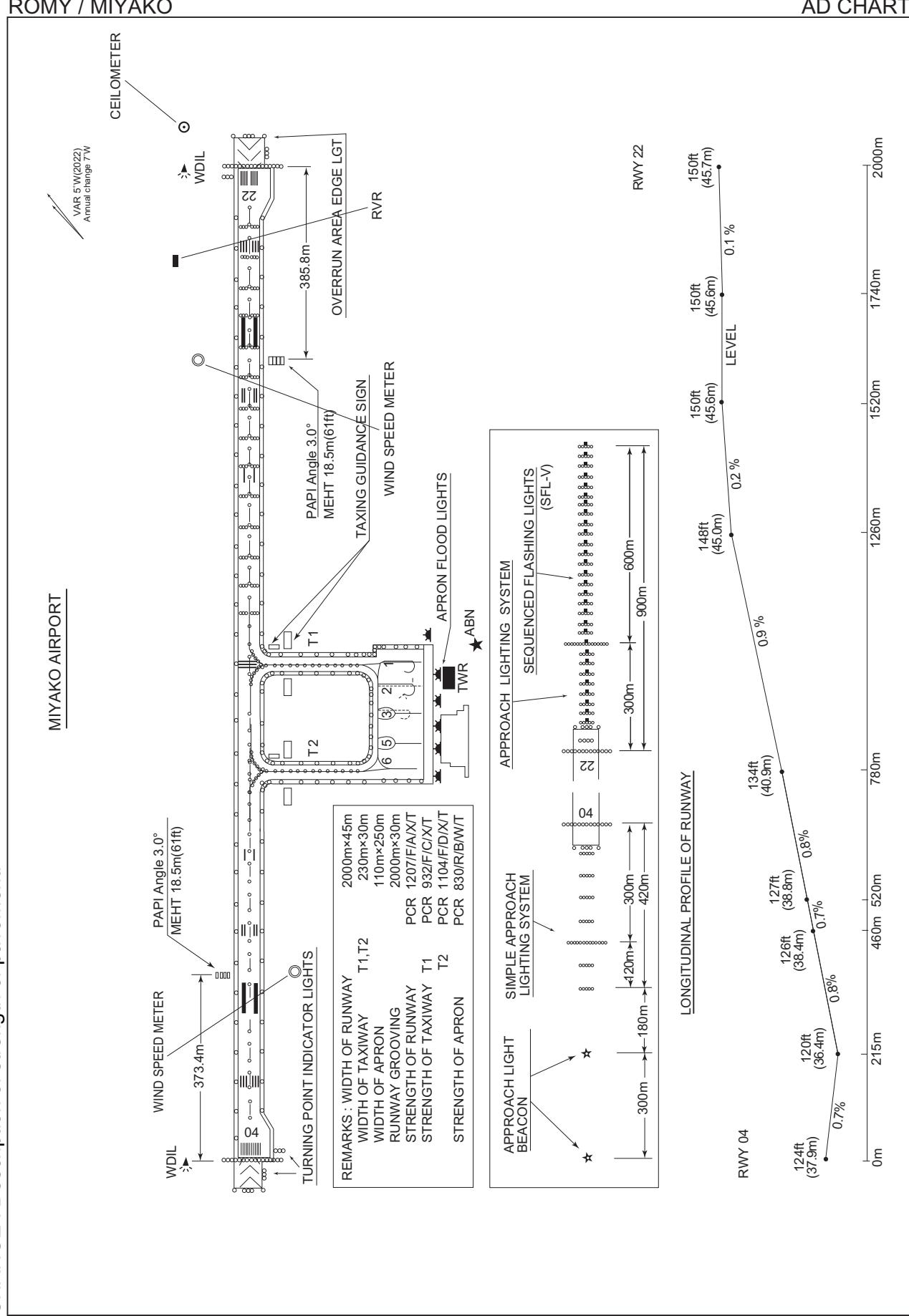


CHANGE : Description of strength of pavement.



INTENTIONALLY LEFT BLANK

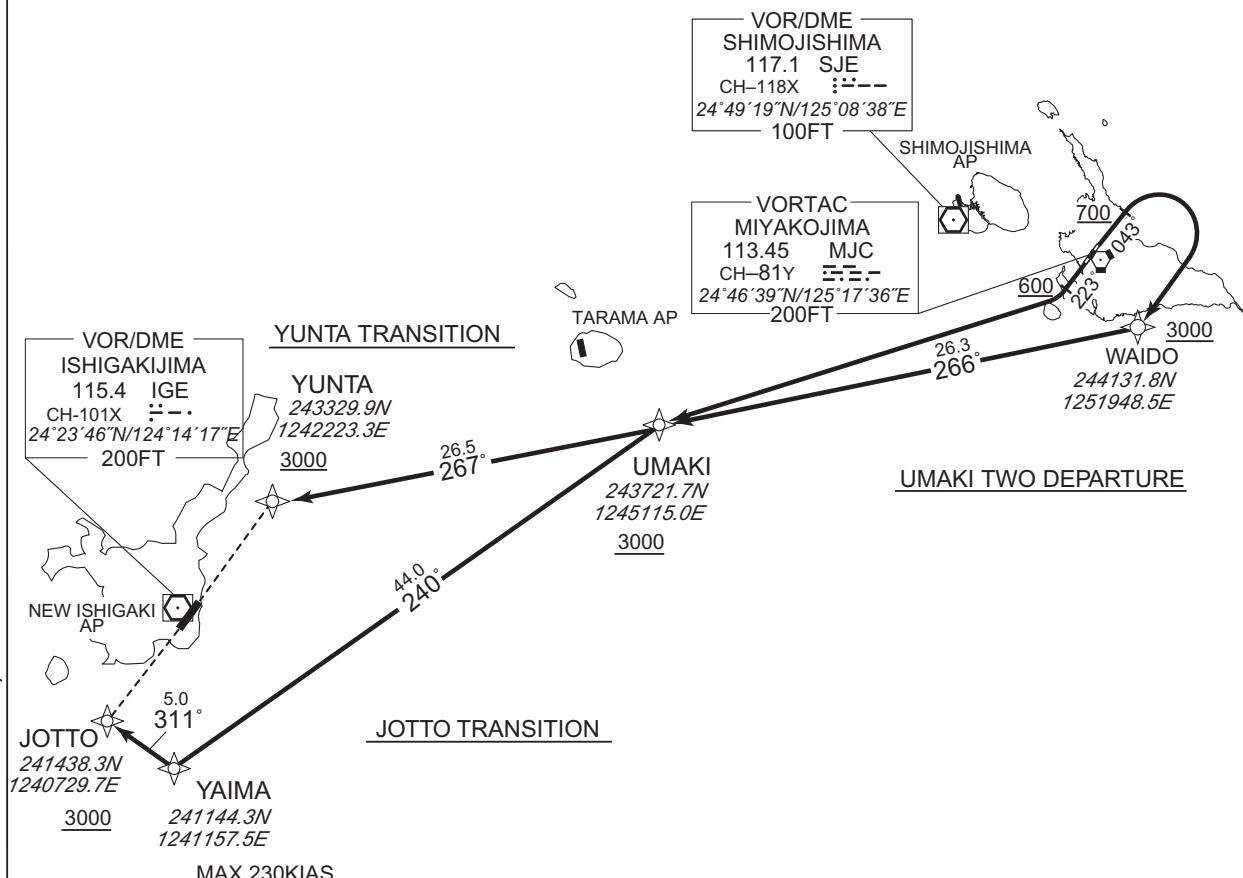
STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

Note GNSS required.

VAR 5°W (2021)



UMAKI TWO DEPARTURE

RWY04 : Climb on HDG043° at or above 700FT, turn right direct to WAIDO at or above 3000FT, to UMAKI at or above 3000FT

RWY22: Climb on HDG223° at or above 600FT, turn right direct to UMAKI at or above 3000FT

YUNTA TRANSITION

From UMAKI at or above 3000FT. to YUNTA at or above 3000FT.

JOTTO TRANSITION

From UIMAKI at or above 3000ET to YAIMA to JOTTO at or above 3000ET

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

UMAKI 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) | -5.1 | - | - | +700 | - | - | RNP1 |
| 002 | DF | WAIDO | - | - | -5.1 | - | R | +3000 | - | - | RNP1 |
| 003 | TF | UMAKI | - | 266 (261.0) | -5.1 | 26.3 | - | +3000 | - | - | RNP1 |

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) | -5.1 | - | - | +600 | - | - | RNP1 |
| 002 | DF | UMAKI | - | - | -5.1 | - | R | +3000 | - | - | RNP1 |

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 | - | - | -5.1 | - | - | +3000 | - | - | RNP1 |
| 002 | TF | YUNTA | - | 267 (261.7) | -5.1 | 26.5 | - | +3000 | - | - | RNP1 |

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 | - | - | -5.1 | - | - | +3000 | - | - | RNP1 |
| 002 | TF | YAIMA | - | 240 (234.5) | -5.1 | 44.0 | - | - | -230 | - | RNP1 |
| 003 | TF | JOTTO | - | 311 (305.5) | -5.1 | 5.0 | - | +3000 | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

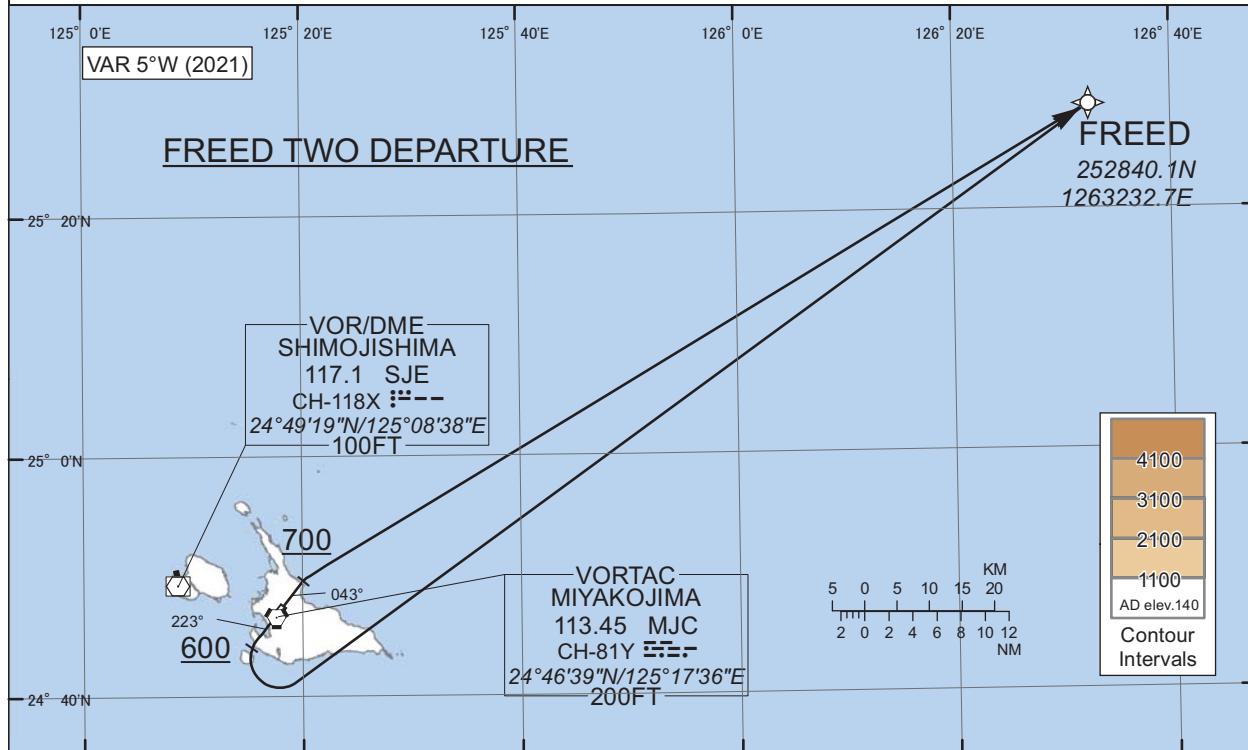
ROMY / MIYAKO

RNAV SID

FREED TWO DEPARTURE

RNP1

Note GNSS required.

FREED TWO DEPARTURE

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

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

RWY04

| Serial Number | Path Descriptor | Way point 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) | -5.1 | - | - | +700 | - | - | RNP1 |
| 002 | DF | FREED | - | - | -5.1 | - | R | - | - | - | RNP1 |

RWY22

| Serial Number | Path Descriptor | Way point 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) | -5.1 | - | - | +600 | - | - | RNP1 |
| 002 | DF | FREED | - | - | -5.1 | - | L | - | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

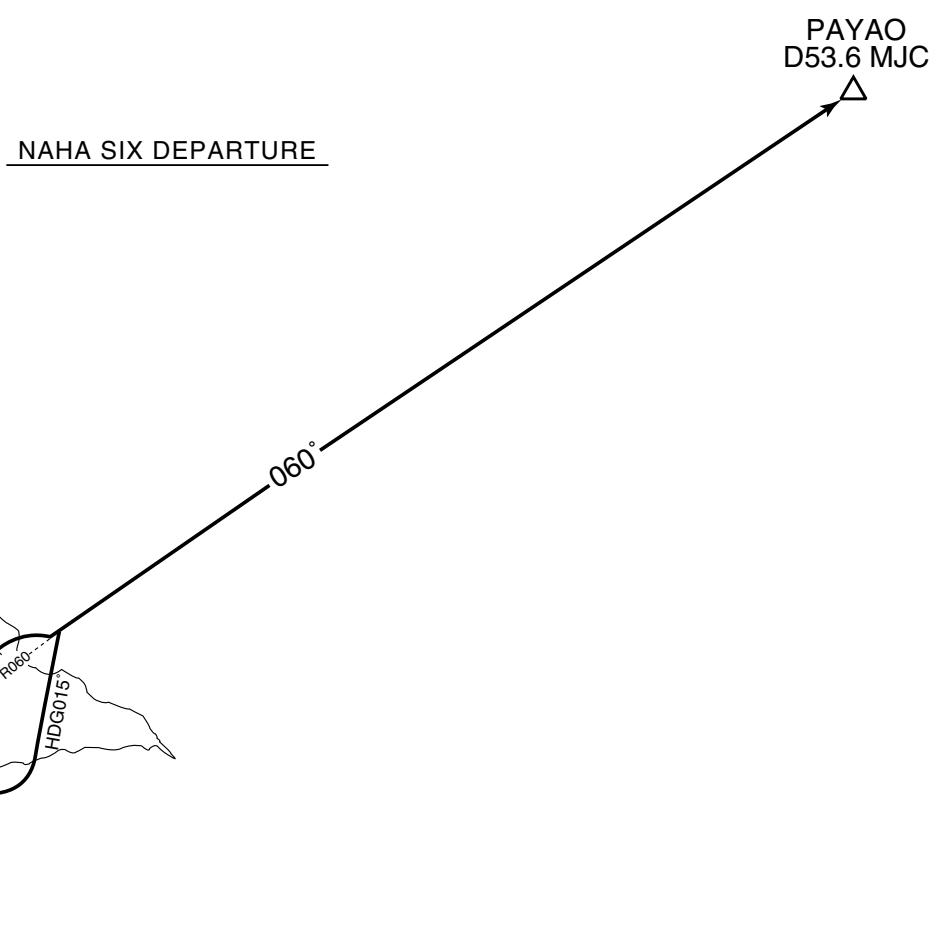
SID

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

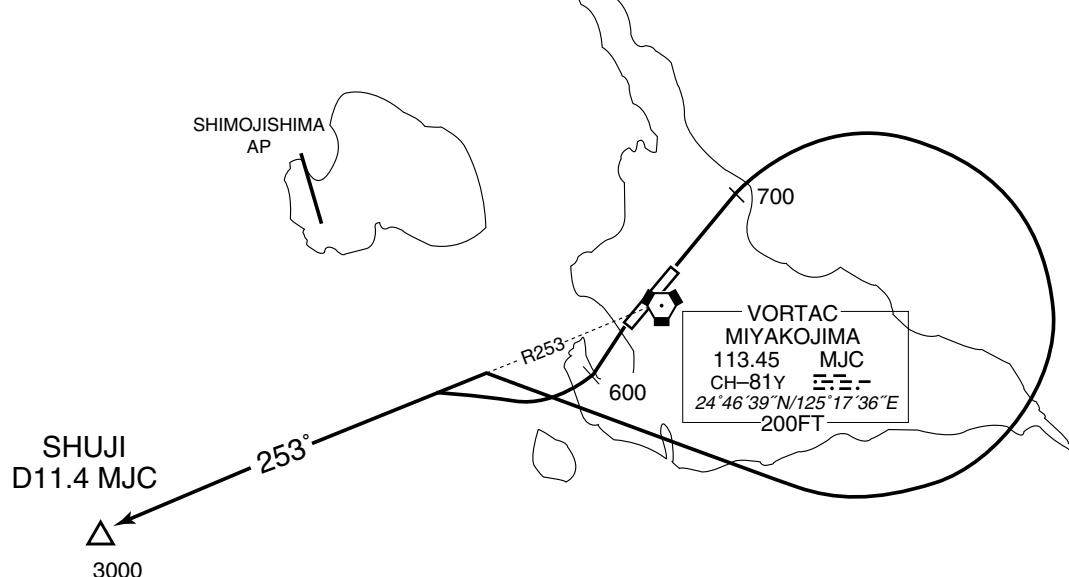
RWY 04 : Climb RWY HDG to 700FT, turn right...

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

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

Cross SHUJI at or above 3000FT.

WEST SEVEN DEPARTURE



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY04

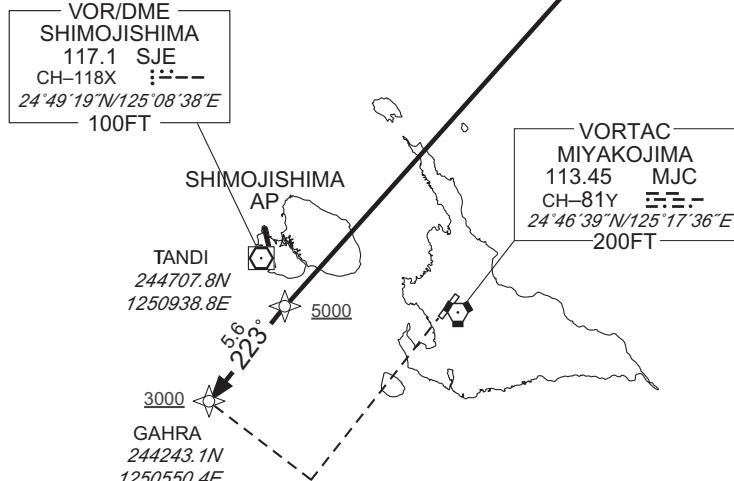
YUTAH WEST ARRIVAL

RNP1

Note GNSS required.

VAR 5°W (2021)

YUTAH
252106.0N
1254305.1E



YUTAH WEST ARRIVAL

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

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

| 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 | — | — | -5.1 | — | — | — | — | — | RNP1 |
| 002 | TF | TANDI | — | 227 (221.8) | -5.1 | 45.5 | — | +5000 | — | — | RNP1 |
| 003 | TF | GAHRA | — | 223 (218.1) | -5.1 | 5.6 | — | +3000 | — | — | RNP1 |

STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22

YUTAH NORTH ARRIVAL

RNP1

Note GNSS required.

VAR 5°W (2021)

YUTAH
252106.0N
1254305.1E


YUTAH NORTH ARRIVAL

218°

31.3

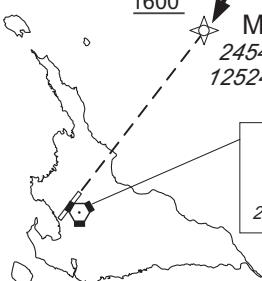
1600

1600

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

YUTAH NORTH ARRIVAL

From YUTAH, to MIBAI at or above 1600FT.

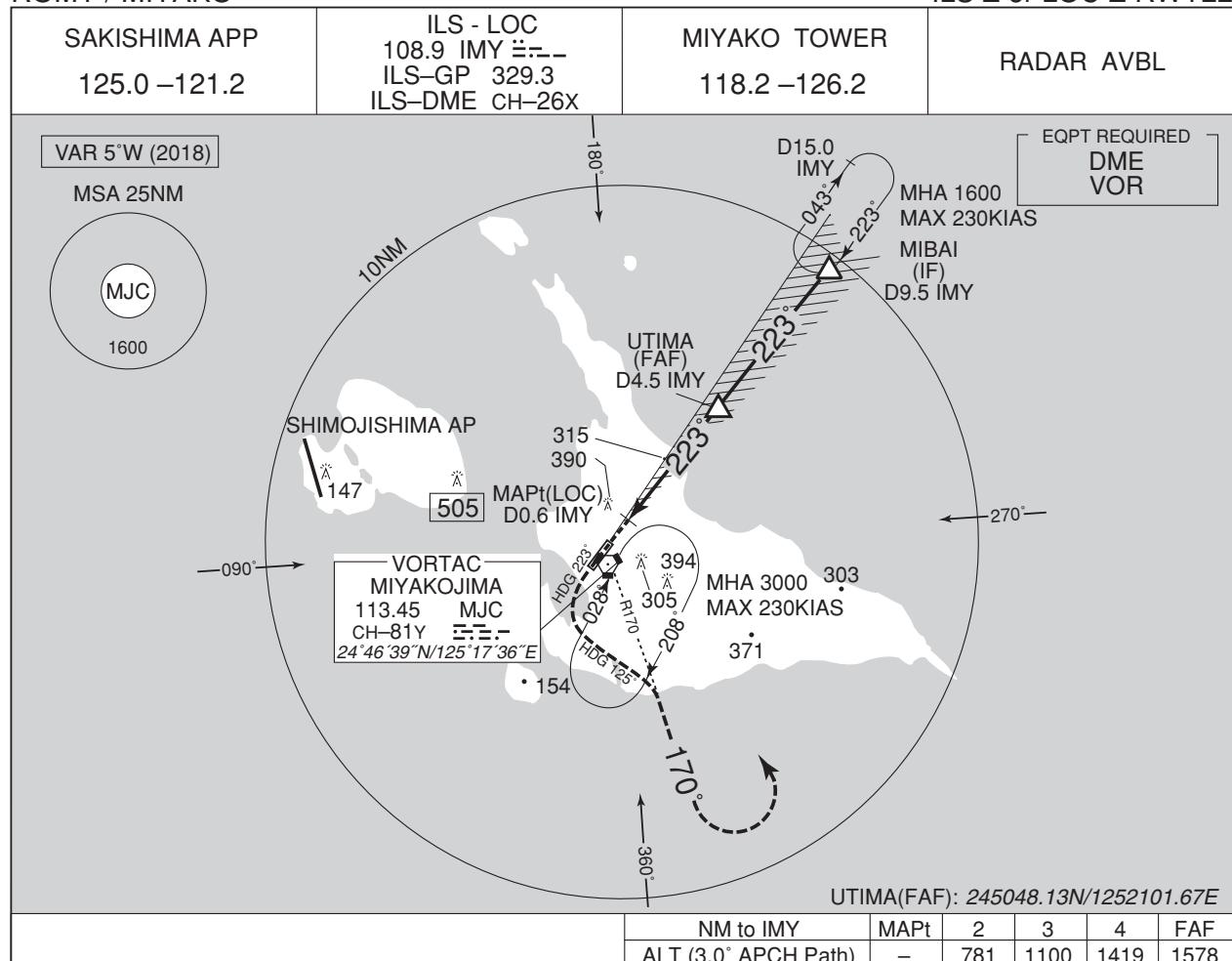
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

| 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 | — | — | -5.1 | — | — | — | — | — | RNP1 |
| 002 | TF | MIBAI | — | 218 (212.7) | -5.1 | 31.3 | — | +1600 | — | — | RNP1 |

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

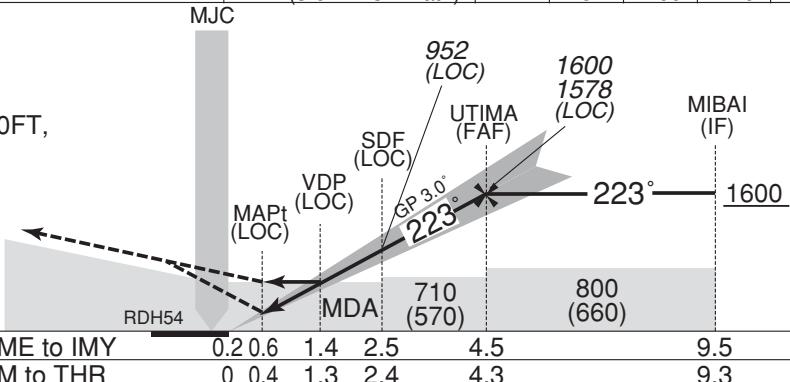
ILS Z or LOC Z RWY22



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.



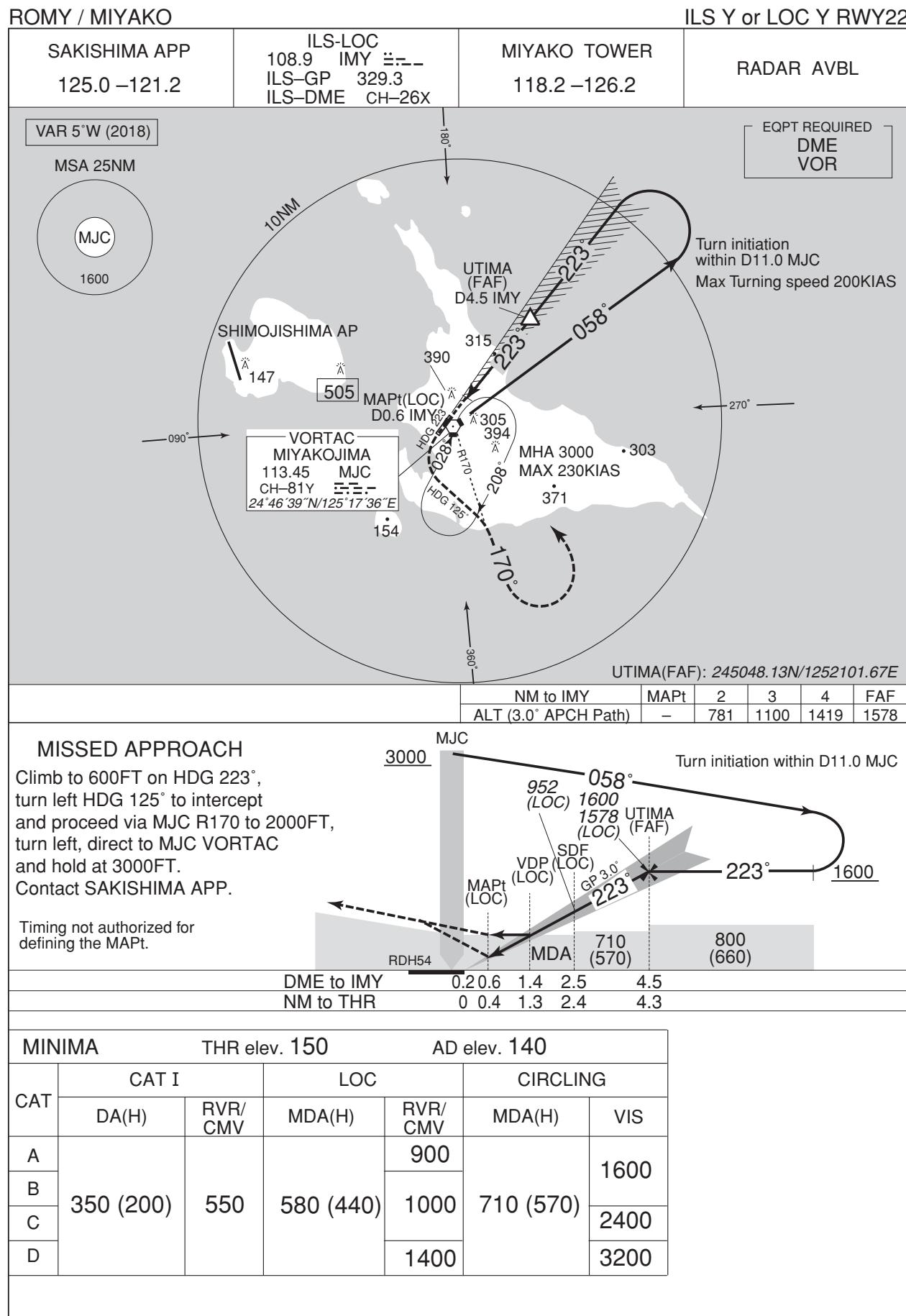
MINIMA

THR elev. 150

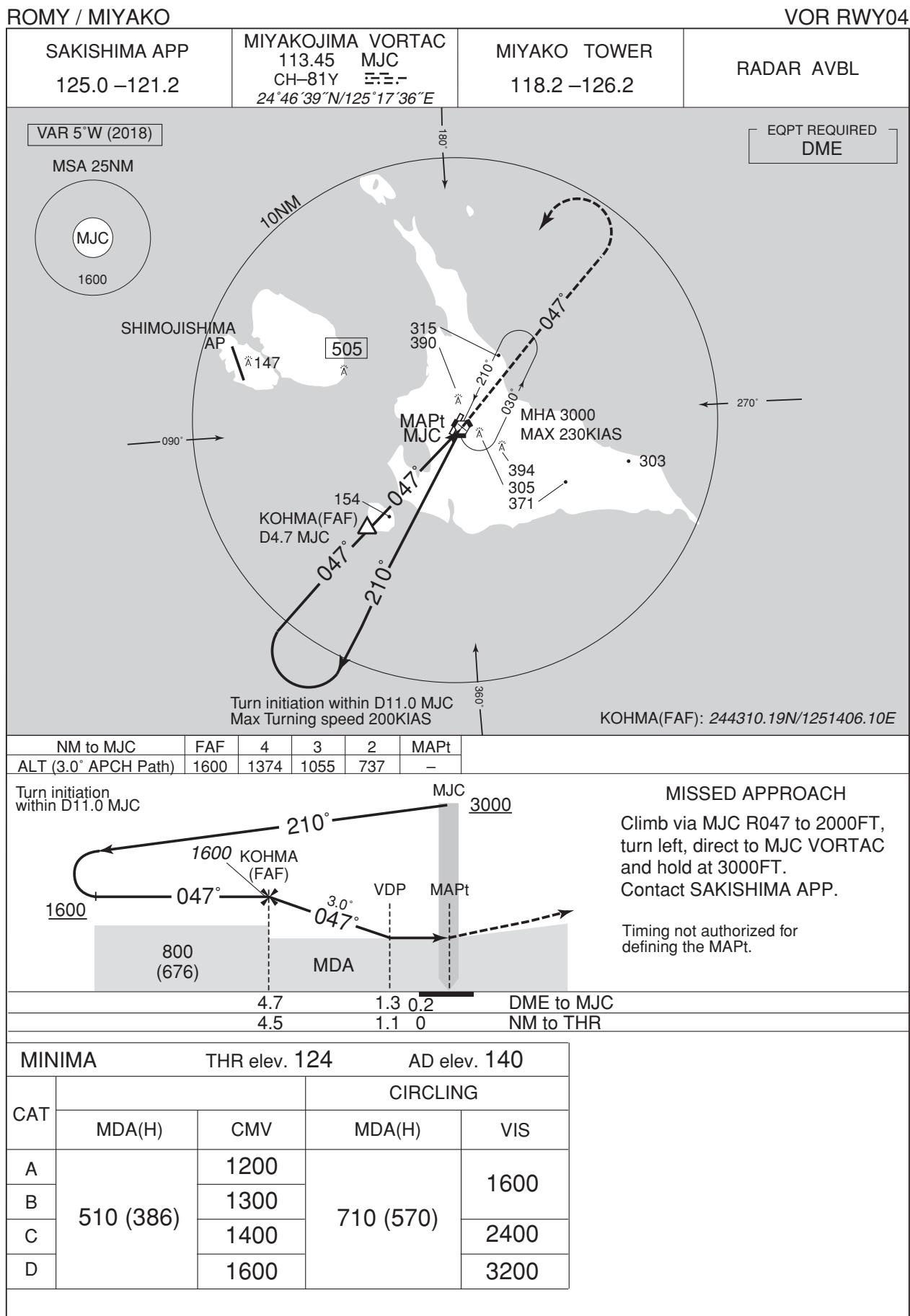
AD elev. 140

| CAT | CAT I | | LOC | | CIRCLING | |
|-----|-----------|---------|-----------|---------|-----------|-----|
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | | | | 900 | | |
| B | | | | 1000 | | |
| C | 350 (200) | 550 | 580 (440) | | 710 (570) | |
| D | | | | 1400 | | |

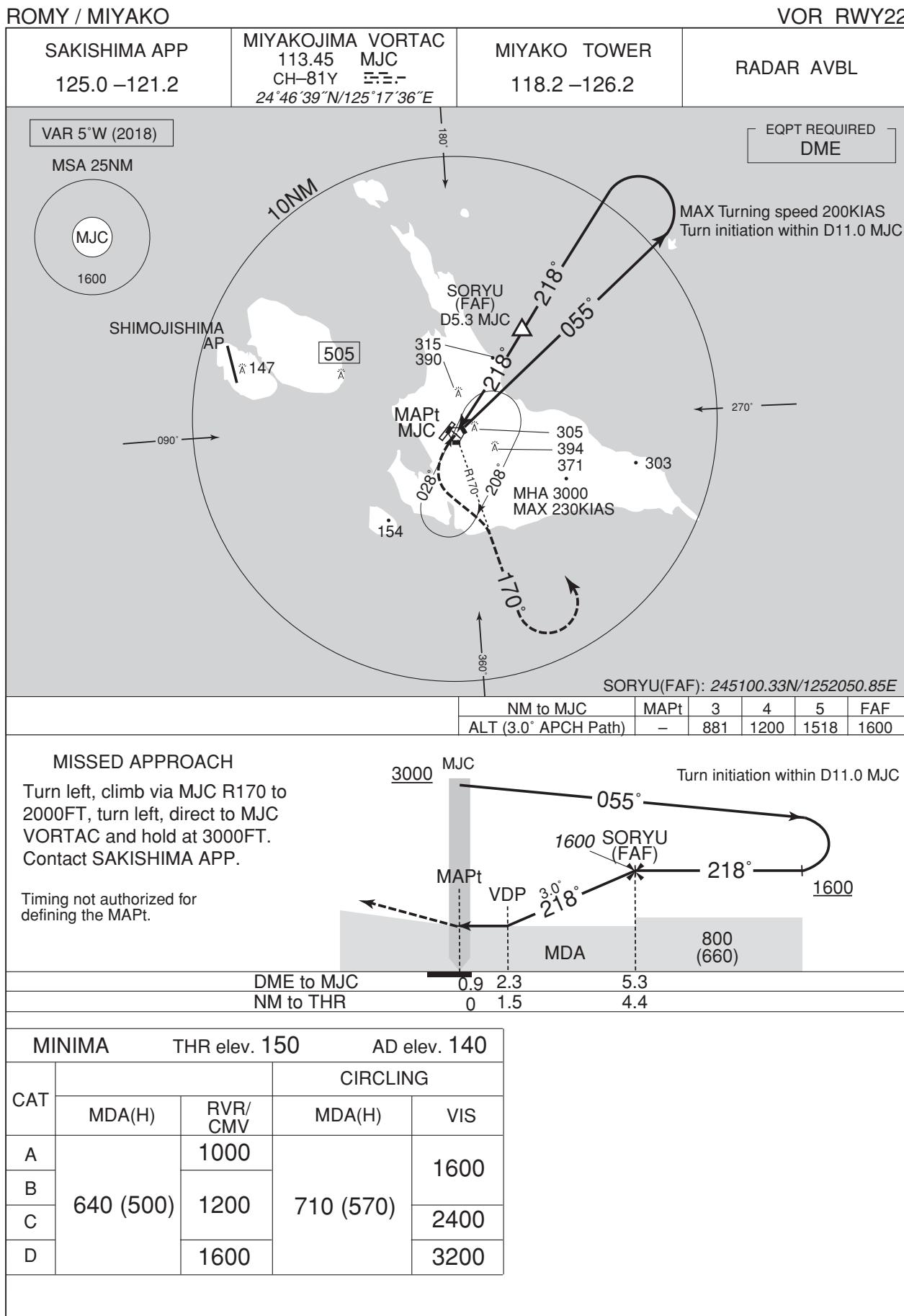
INSTRUMENT APPROACH CHART



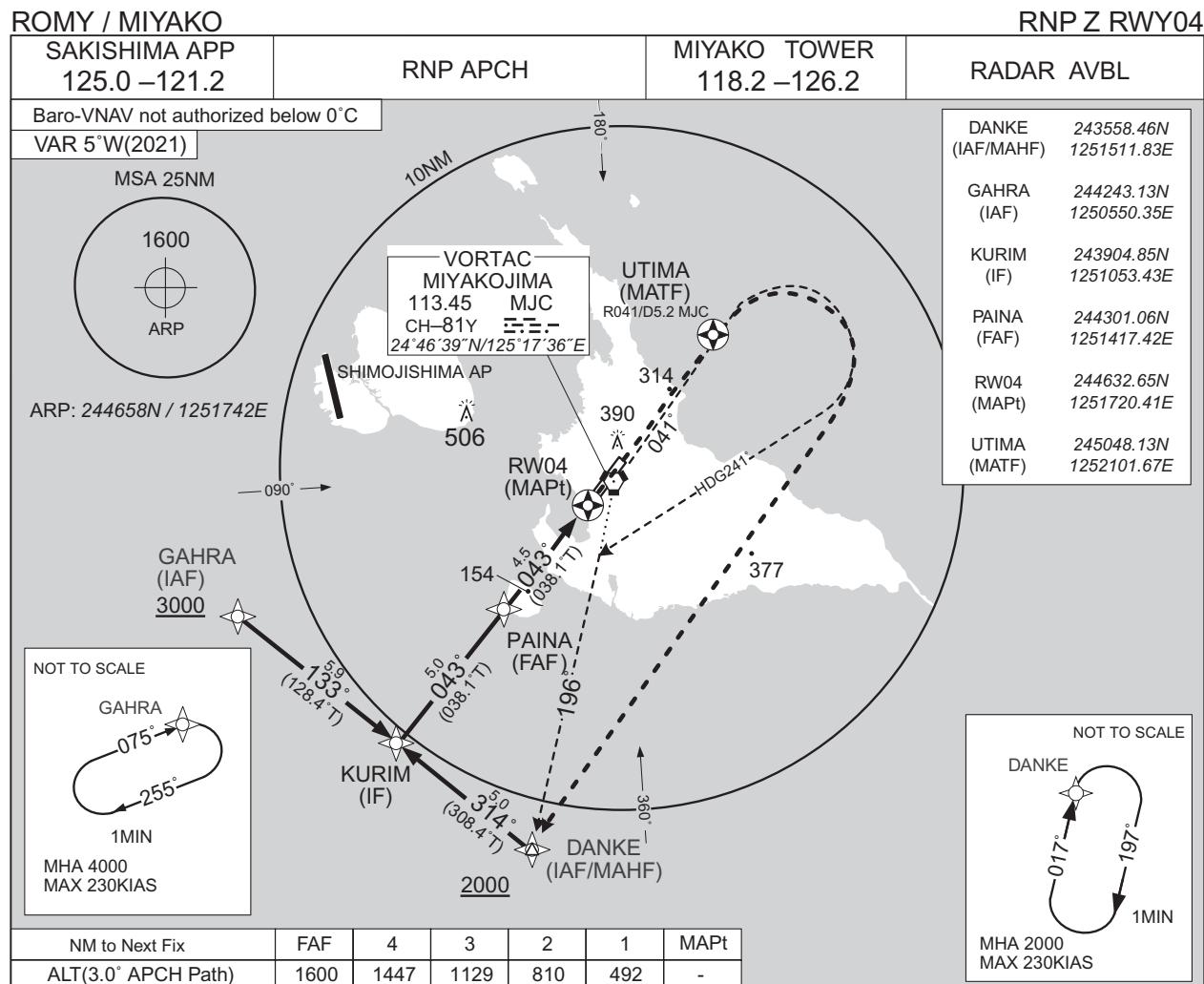
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



CHANGE:PROC renamed Requirement for RNP.

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.

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 | | 2400 |
| C | 480(356) | 1400 | 480(356) | 1400 | | 3200 |
| D | | 1600 | | 1600 | | |

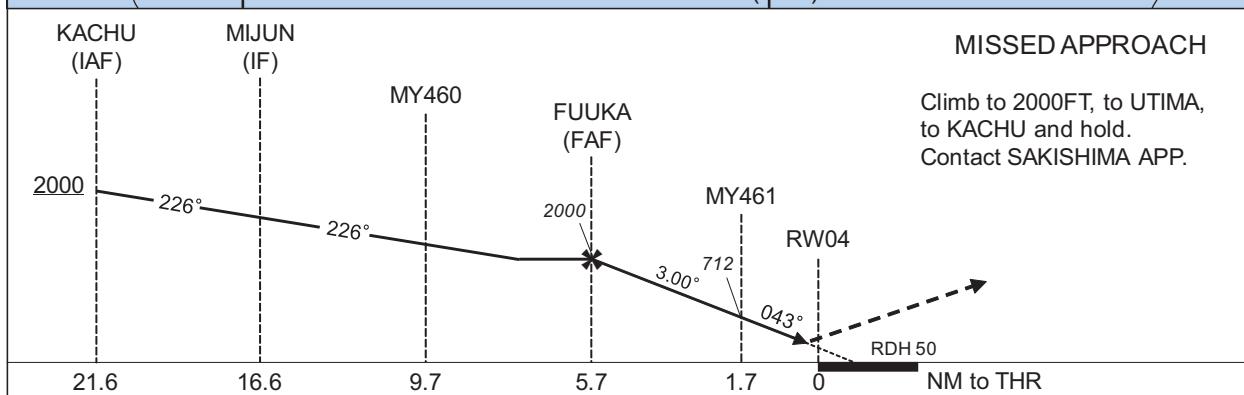
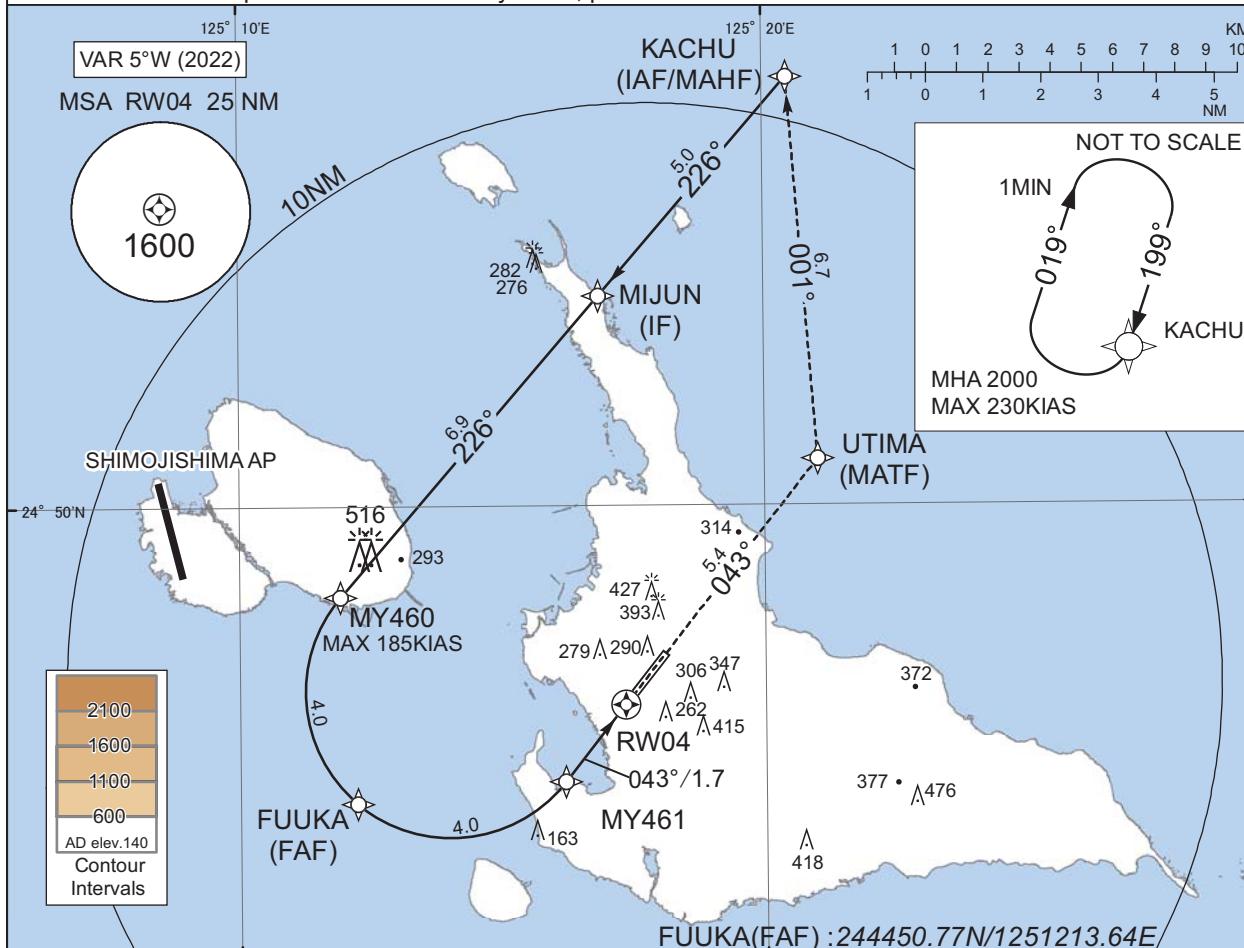
INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(AR)

SAKISHIMA APP
125.0 - 121.2 RNP AR
RF required. MIYAKO TOWER
118.2 - 126.2 RADAR AVBL

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



CHANGE : PROC renamed. Requirement for RNP.

| 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 | |

Authorization Required

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(AR)

Coding 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 | - | - | -5.2 | - | - | +2000 | - | - | - |
| 002 | TF | MIJUN | - | 226 (220.8) | -5.2 | 5.0 | - | - | - | - | 1.0 |
| 003 | TF | MY460 | - | 226 (220.7) | -5.2 | 6.9 | - | +2000 | -185 | - | 1.0 |
| 004 | RF Center: MYRF1 r=2.52NM | FUUKA | - | - | -5.2 | 4.0 | L | 2000 | - | - | 1.0 |
| 005 | RF Center: MYRF1 r=2.52NM | MY461 | - | - | -5.2 | 4.0 | L | 712 | - | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -5.2 | 1.7 | - | 174 | - | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | - | 043 (038.2) | -5.2 | 5.4 | - | - | - | - | 1.0 |
| 008 | TF | KACHU | - | 001 (355.6) | -5.2 | 6.7 | - | 2000 | - | - | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|---------------|-----------|
| Hold | KACHU | 199 (193.5) | -5.2 | 1.0 (-14000) | R | 2000 | FL140 | -230 (-14000) | 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 | | |

CHANGE : PROC renamed.

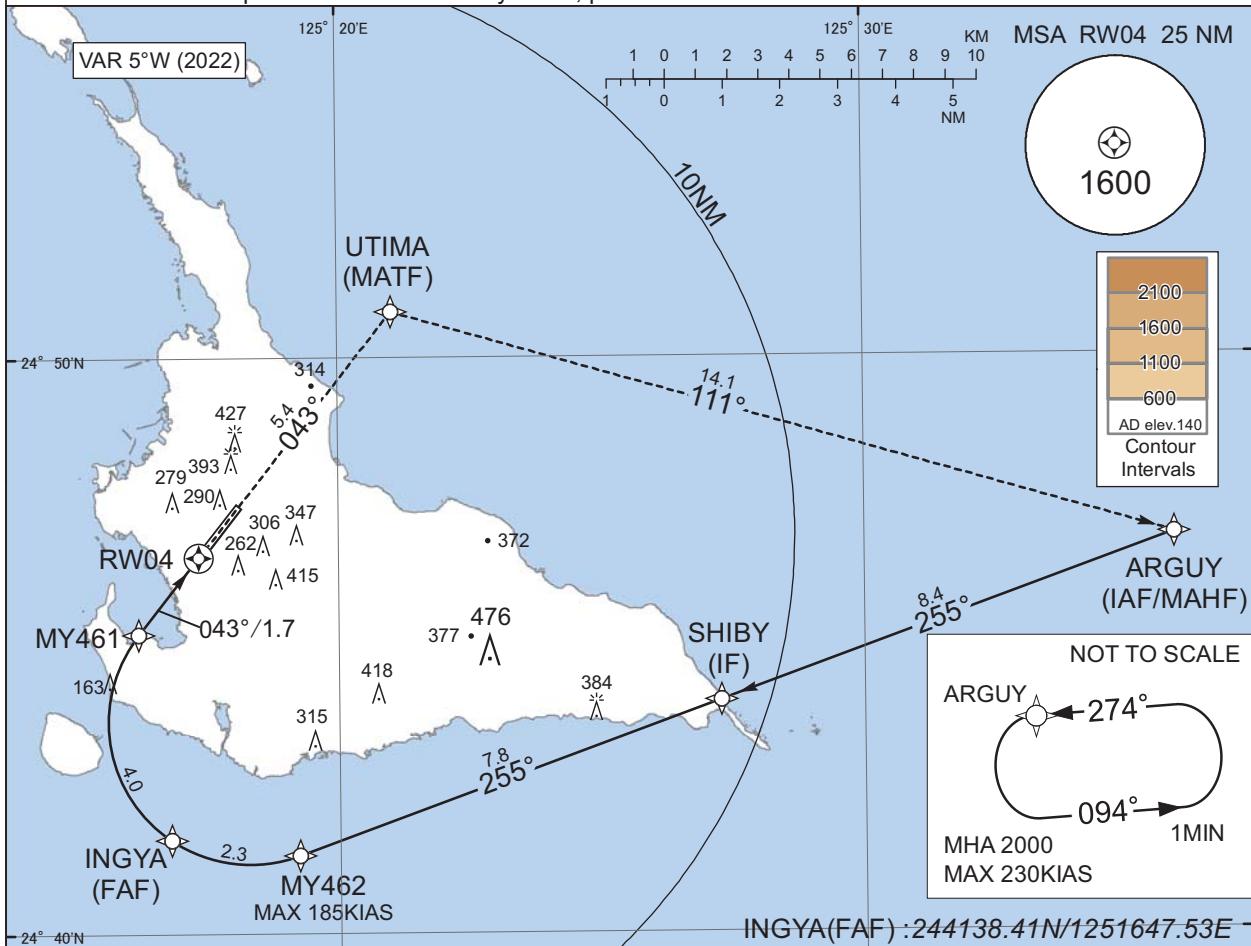
INSTRUMENT APPROACH CHART

ROMY / MIYAKO

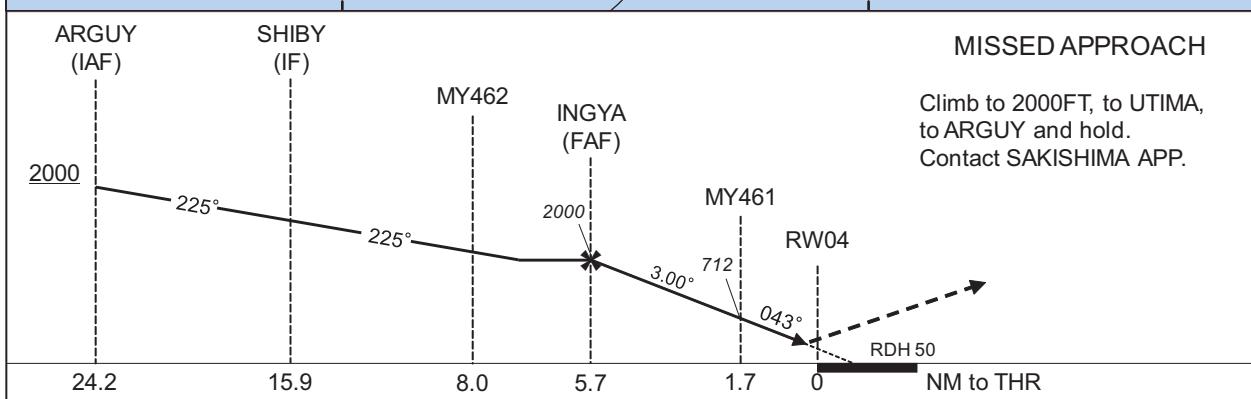
RNP X RWY04(AR)

| | | | |
|--------------------------------|------------------------|-------------------------------|------------|
| SAKISHIMA APP 125.0 - 121.2 | RNP AR RF required. | MIYAKO TOWER 118.2 - 126.2 | RADAR AVBL |
|--------------------------------|------------------------|-------------------------------|------------|

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



CHANGE : PROC renamed. Requirement for RNP.



| 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 | |

Authorization Required

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP X RWY04(AR)

Coding 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 | - | - | -5.2 | - | - | +2000 | - | - | - |
| 002 | TF | SHIBY | - | 255 (250.0) | -5.2 | 8.4 | - | - | - | - | 1.0 |
| 003 | TF | MY462 | - | 255 (250.0) | -5.2 | 7.8 | - | +2000 | -185 | - | 1.0 |
| 004 | RF Center: MYRF2 r=2.46NM | INGYA | - | - | -5.2 | 2.3 | R | 2000 | - | - | 1.0 |
| 005 | RF Center: MYRF2 r=2.46NM | MY461 | - | - | -5.2 | 4.0 | R | 712 | - | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -5.2 | 1.7 | - | 174 | - | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | - | 043 (038.2) | -5.2 | 5.4 | - | - | - | - | 1.0 |
| 008 | TF | ARGUY | - | 111 (106.1) | -5.2 | 14.1 | - | 2000 | - | - | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|---------------|-----------|
| Hold | ARGUY | 274 (269.3) | -5.2 | 1.0 (-14000) | L | 2000 | FL140 | -230 (-14000) | 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 | | |

CHANGE : PROC renamed.

ROMY / MIYAKO

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).

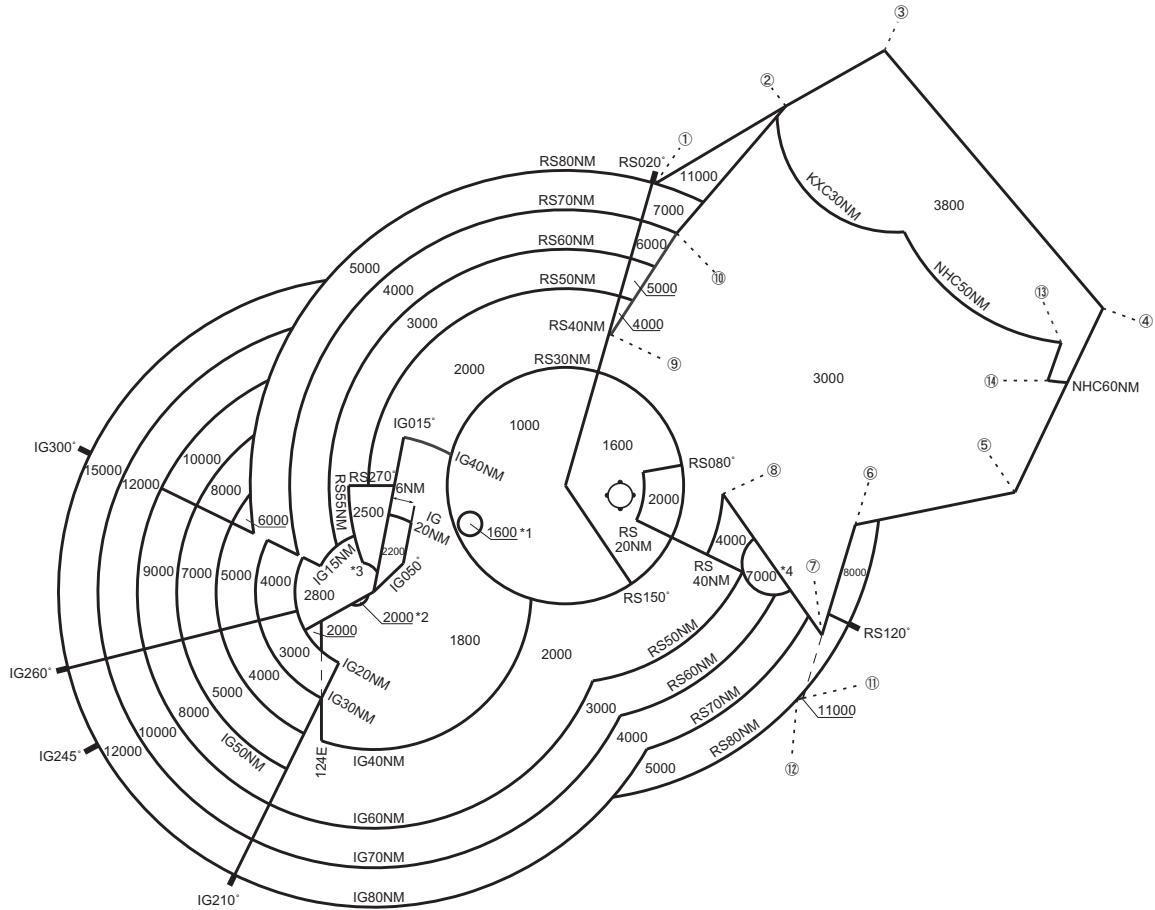
CHANGE : Map updated. BRG/DIST from ARP.

| Call sign | BRG / DIST from ARP | Remarks |
|--------------------|---------------------|--------------------|
| 大神島 Ogamijima | 005°T / 8.0NM | 島 Island |
| 10NM NE | 045°T / 10.0NM | 海上 Over the sea |
| 来間島 Kurimashima | 215°T / 4.5NM | 島 Island |
| 平安名崎 Hennazaki | 112°T / 10.2NM | 灯台 Lighthouse |

ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 5°W (2022)



- CHANGE : VAR.
 ① 260606N/1253511E
 ② 262504N/1261226E
 ③ 263831N/1264046E
 ④ 253118N/1273951E
 ⑤ 244518N/1271337E
 ⑥ 243809N/1262857E
 ⑦ 241018N/1261859E
 ⑧ 244643N/1255220E
 ⑨ 252751N/1252151E
 ⑩ 255321N/1254054E
 ⑪ 235438N/1261324E
 ⑫ 235414N/1261156E
 ⑬ 252316N/1272802E
 ⑭ 251400N/1272404E

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
 *4 : 242850N/1260600E RADIUS : 8NM