

ROMY / MIYAKO

AD CHART



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## STANDARD DEPARTURE CHART -INSTRUMENT

## ROMY / MIYAKO

## RNAV SID

| TORII TWO DEPARTURE                                      |                       |  | RNAV1 |
|--|-----------------------|--|-------|
| NOTE 1) GNSS required.<br><br>2) RADAR service required. | Critical DME          | —  |       |
|  | DME GAP               | RWY04 : DER - TORII<br>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<br>(038.2) | -4.5               | —             | —              | +700          | —            | —              | RNAV1                    |
| 002           | DF              | SANIT               | —        | —              | -4.5               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TORII               | —        | 065<br>(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<br>(218.2) | -4.5               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | SANIT               | —        | —              | -4.5               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TORII               | —        | 065<br>(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<br>(038.2) | -4.5               | —             | —              | +700          | —            | —              | RNAV1                    |
| 002           | DF              | WAIDO               | —        | —              | -4.5               | —             | R              | +3000         | —            | —              | RNAV1                    |
| 003           | TF              | UMAKI               | —        | 266<br>(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<br>(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<br>(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<br>(234.5) | -4.5               | 44.0          | —              | —             | -230         | —              | RNAV1                    |
| 003           | TF              | JOTTO               | —        | 310<br>(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

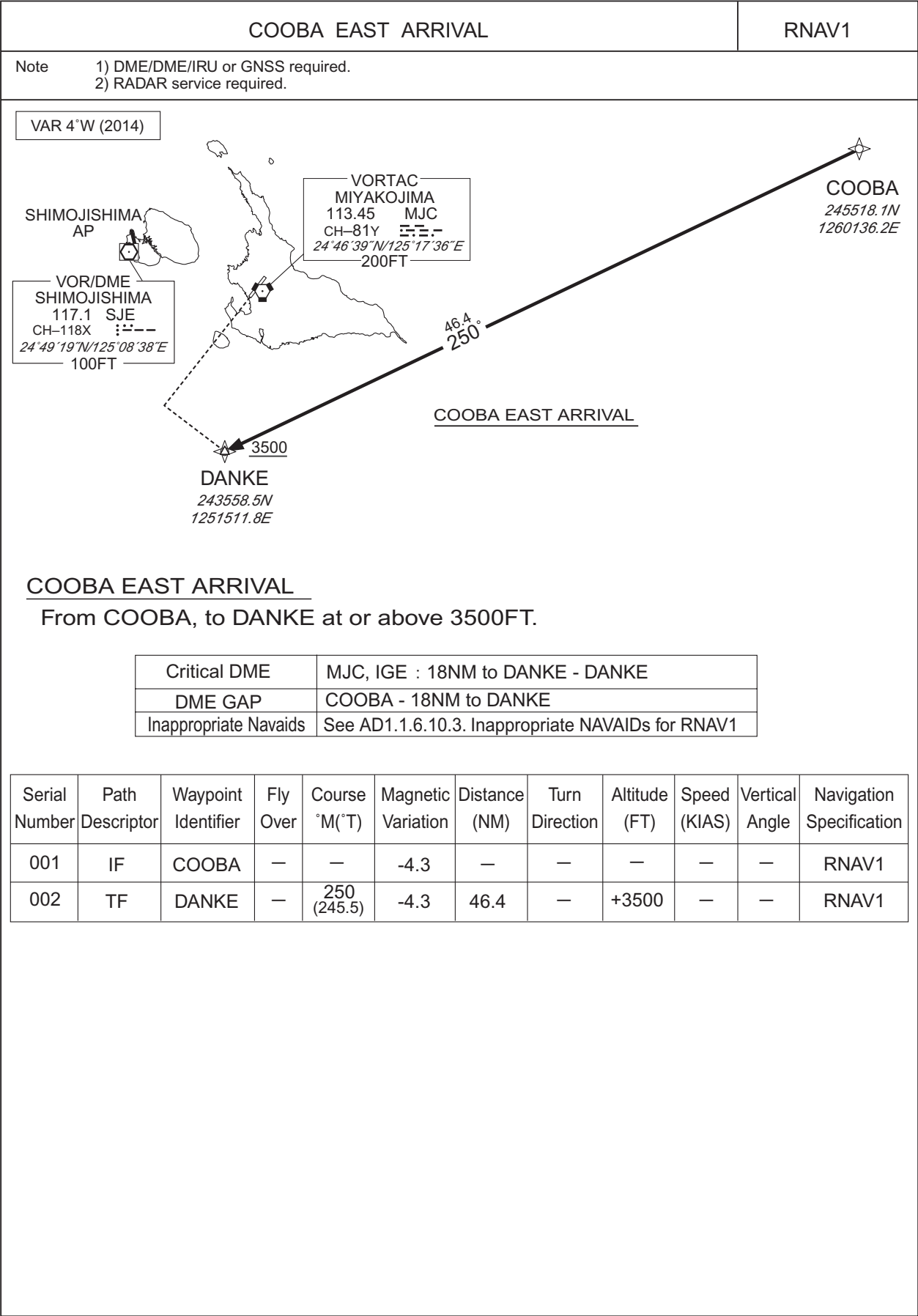
RWY 04 : Climb RWY HDG to 700FT, turn right...  
RWY 22 : Climb RWY HDG to 600FT, turn right...  
... to intercept and proceed via MJC R253 to SHUJI.  
Cross SHUJI at or above 3000FT.



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

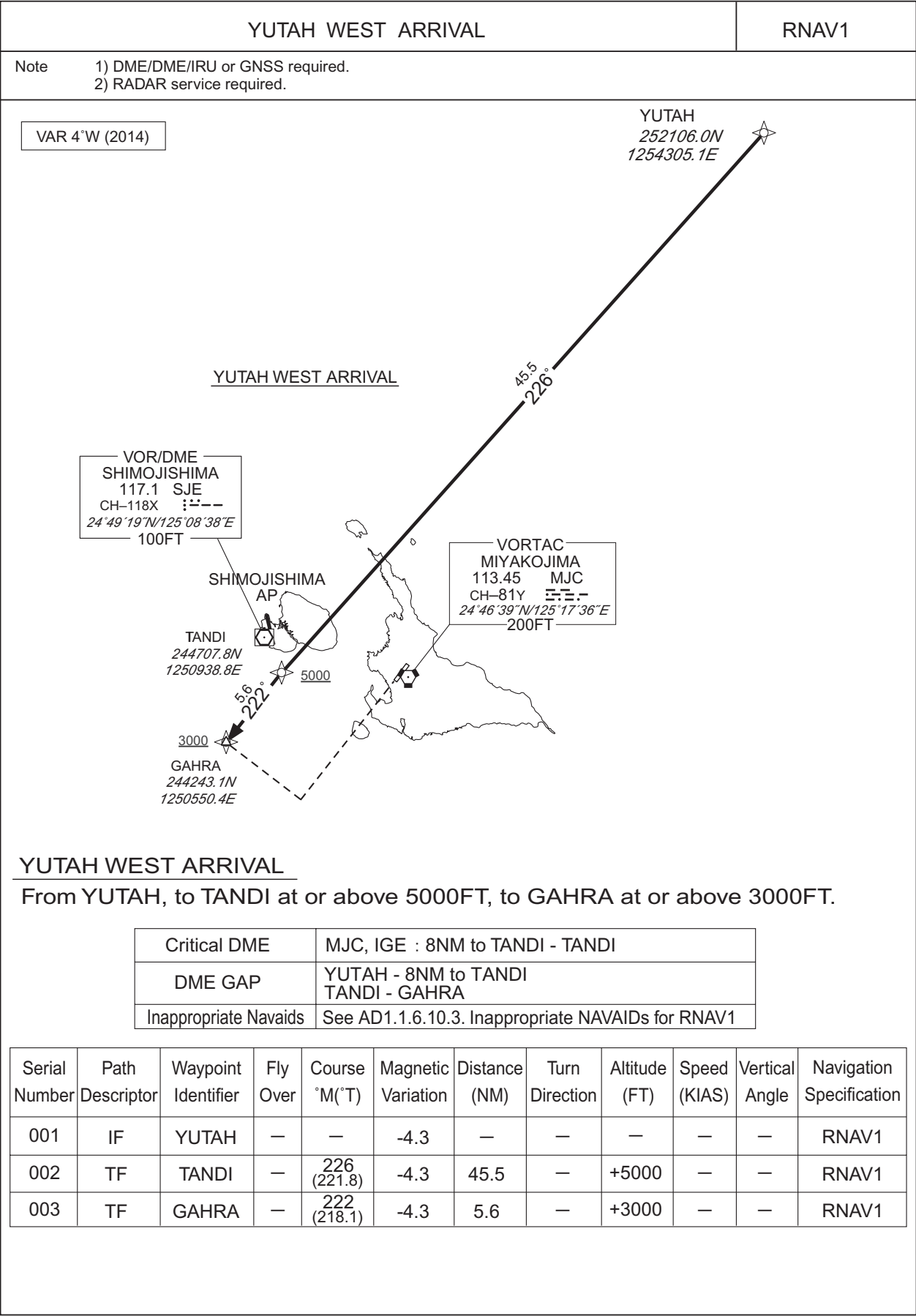
RNAV STAR RWY04





STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO RNAV STAR RWY04



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22



## INSTRUMENT APPROACH CHART

ROMY / MIYAKO

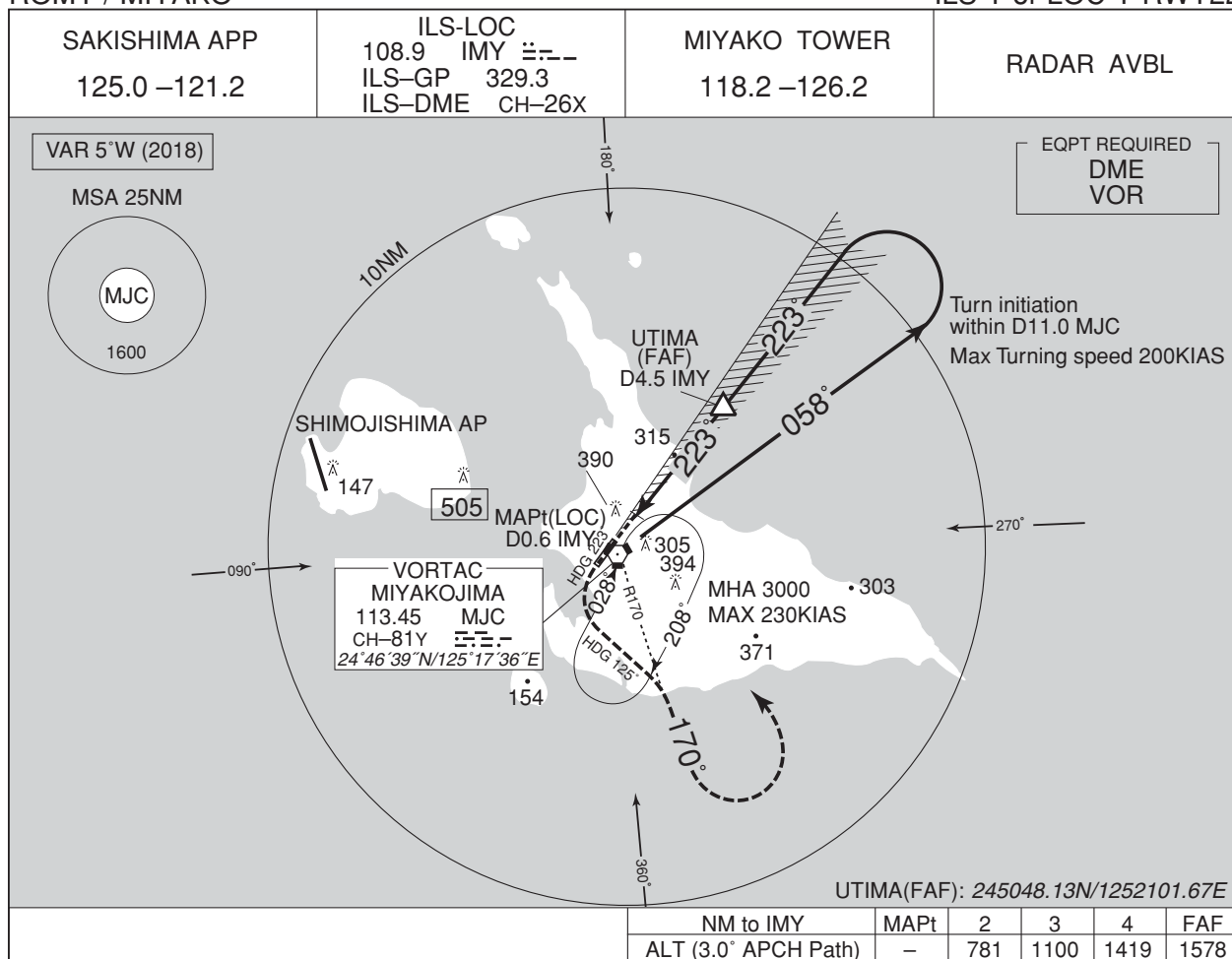
ILS Z or LOC Z RWY22



## 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/<br>CMV   | MDA(H)    | RVR/<br>CMV  | MDA(H)    | VIS  |
| A      | 350 (200) | 550           | 580 (440) | 900          | 710 (570) | 1600 |
| B      |           |               |           | 1000         |           | 2400 |
| C      |           |               |           |              |           |      |
| D      |           |               |           |              |           |      |

INSTRUMENT APPROACH CHART


ROMY / MIYAKO

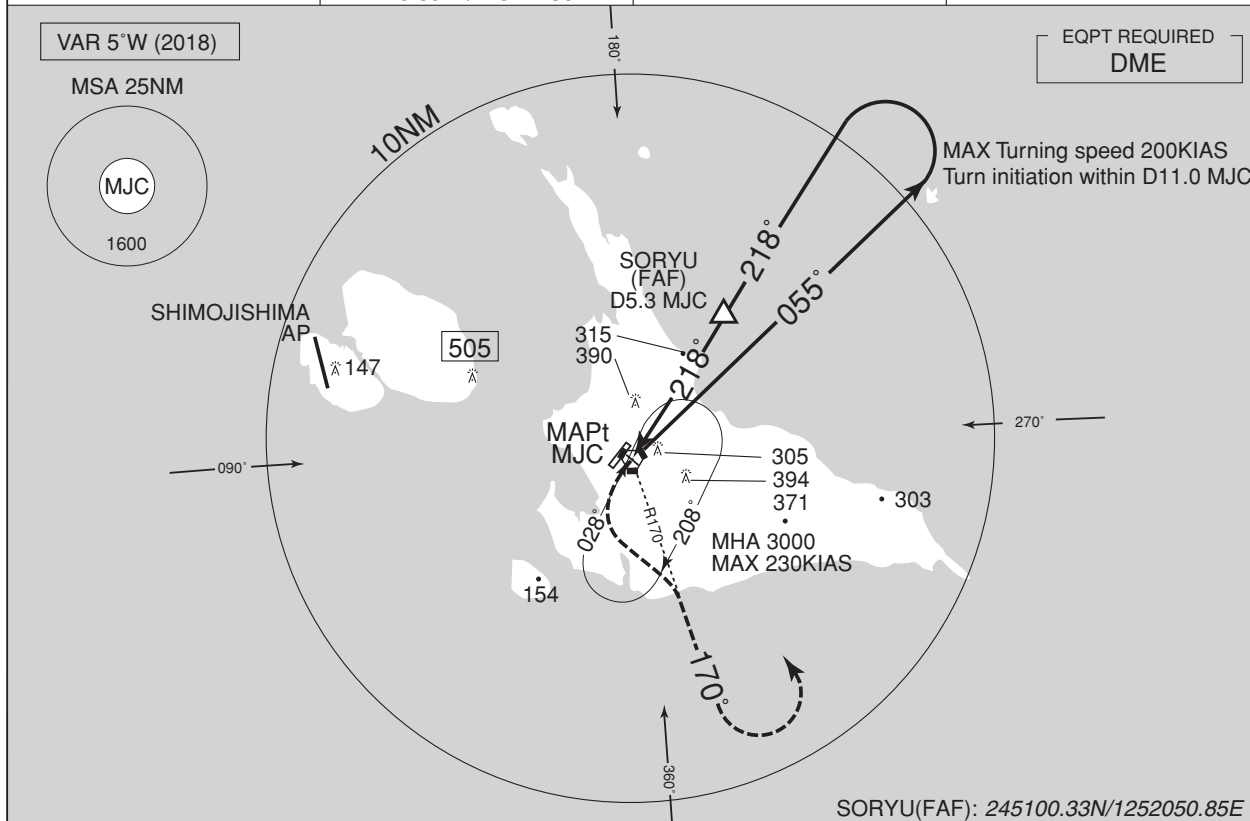
VOR RWY04



## ROMY / MIYAKO

VOR RWY22

|               |   |                             |            |
|---------------|---|-----------------------------|------------|
| SAKISHIMA APP | MIYAKOJIMA VORTAC<br>113.45 MJC<br>CH-81Y <br>24°46'39"N/125°17'36"E | MIYAKO TOWER<br>118.2-126.2 | RADAR AVBL |
|---------------|---|-----------------------------|------------|

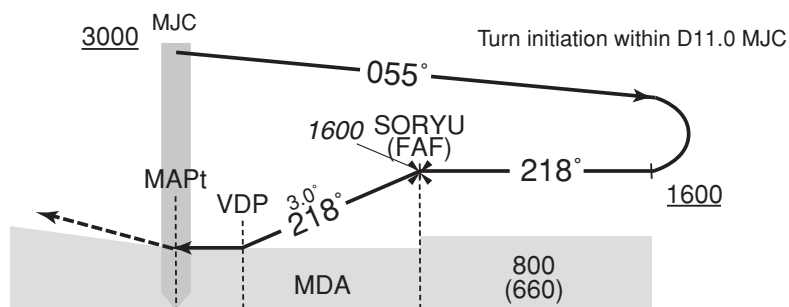


|                      |      |     |      |      |      |
|----------------------|------|-----|------|------|------|
| NM to MJC            | MAPt | 3   | 4    | 5    | FAF  |
| ALT (3.0° APCH Path) | —    | 881 | 1200 | 1518 | 1600 |

## MISSED APPROACH

Turn left, climb 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 MJC | 0.9 | 2.3 | 5.3 |
| NM to THR  | 0   | 1.5 | 4.4 |

| MINIMA |           | THR elev. 150 | AD elev. 140 |      |
|--------|-----------|---------------|--------------|------|
| CAT    |           |               | CIRCLING     |      |
|        | MDA(H)    | RVR/<br>CMV   | MDA(H)       | VIS  |
| A      | 640 (500) | 1000          | 710 (570)    | 1600 |
| B      |           | 1200          |              | 2400 |
| C      |           |               |              |      |
| D      |           |               |              |      |

## INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(GNSS) Z RWY04





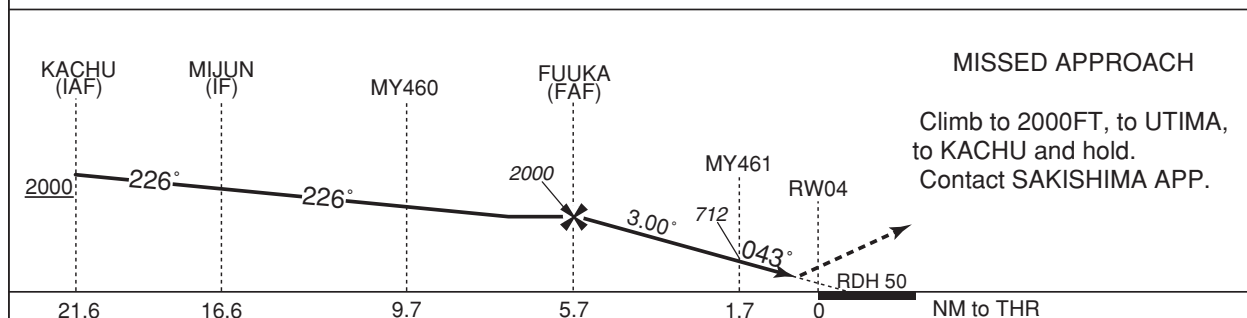
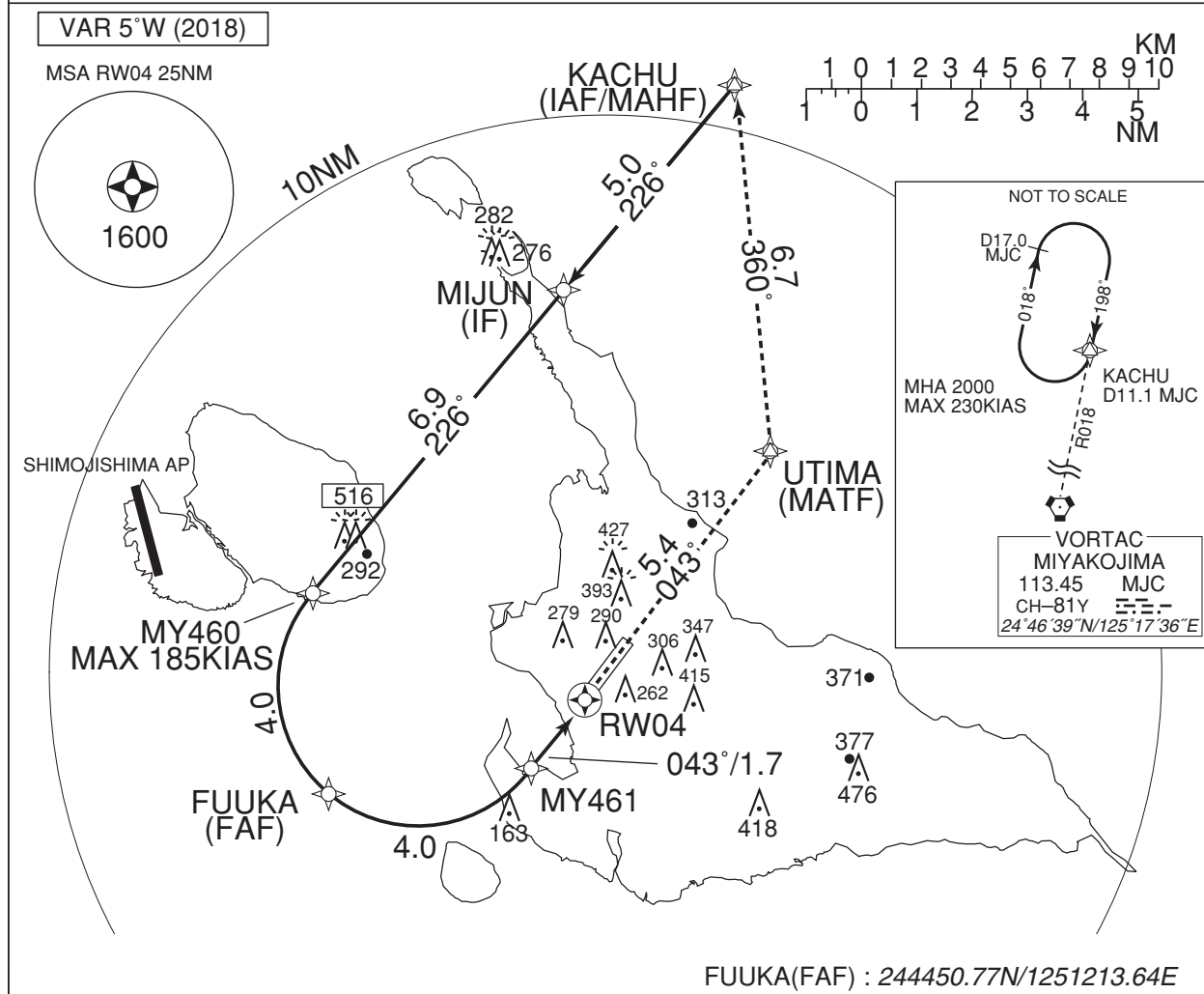
## INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) Y RWY04

|                               |                       |                              |            |
|-------------------------------|-----------------------|------------------------------|------------|
| SAKISHIMA APP<br>125.0 –121.2 | GNSS and RF required. | MIYAKO TOWER<br>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) 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<br>(220.8) | -4.8               | 5.0           | —              | —             | —            | —               | 1.0          |
| 003           | TF                                 | MY460               | —        | 226<br>(220.7) | -4.8               | 6.9           | —              | +2000         | -185         | —               | 1.0          |
| 004           | RF<br>Center:<br>MYRF1<br>r=2.52NM | FUUKA               | —        | —              | -4.8               | 4.0           | L              | 2000          | —            | —               | 1.0          |
| 005           | RF<br>Center:<br>MYRF1<br>r=2.52NM | MY461               | —        | —              | -4.8               | 4.0           | L              | 712           | —            | -3.00           | 0.29<br>0.30 |
| 006           | TF                                 | RW04                | Y        | 043<br>(038.1) | -4.8               | 1.7           | —              | 174           | —            | -3.00/50        | 0.29<br>0.30 |
| 007           | TF                                 | UTIMA               | —        | 043<br>(038.2) | -4.8               | 5.4           | —              | —             | —            | —               | 1.0          |
| 008           | TF                                 | KACHU               | —        | 360<br>(355.6) | -4.8               | 6.7           | —              | 2000          | —            | —               | 1.0          |

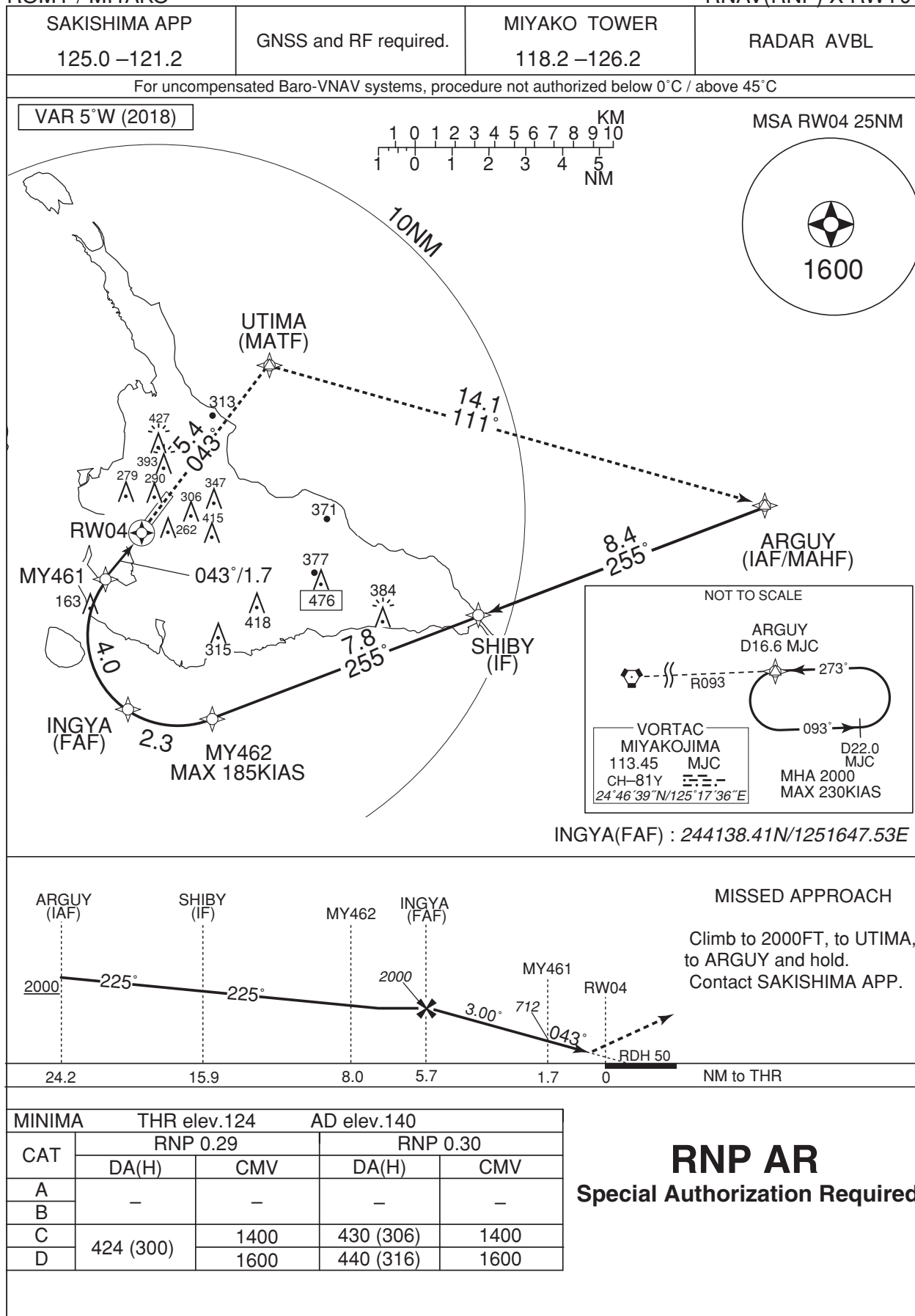
Waypoint Coordinates

| 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 |                          |                        |

## INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) X RWY04



## INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) X RWY04

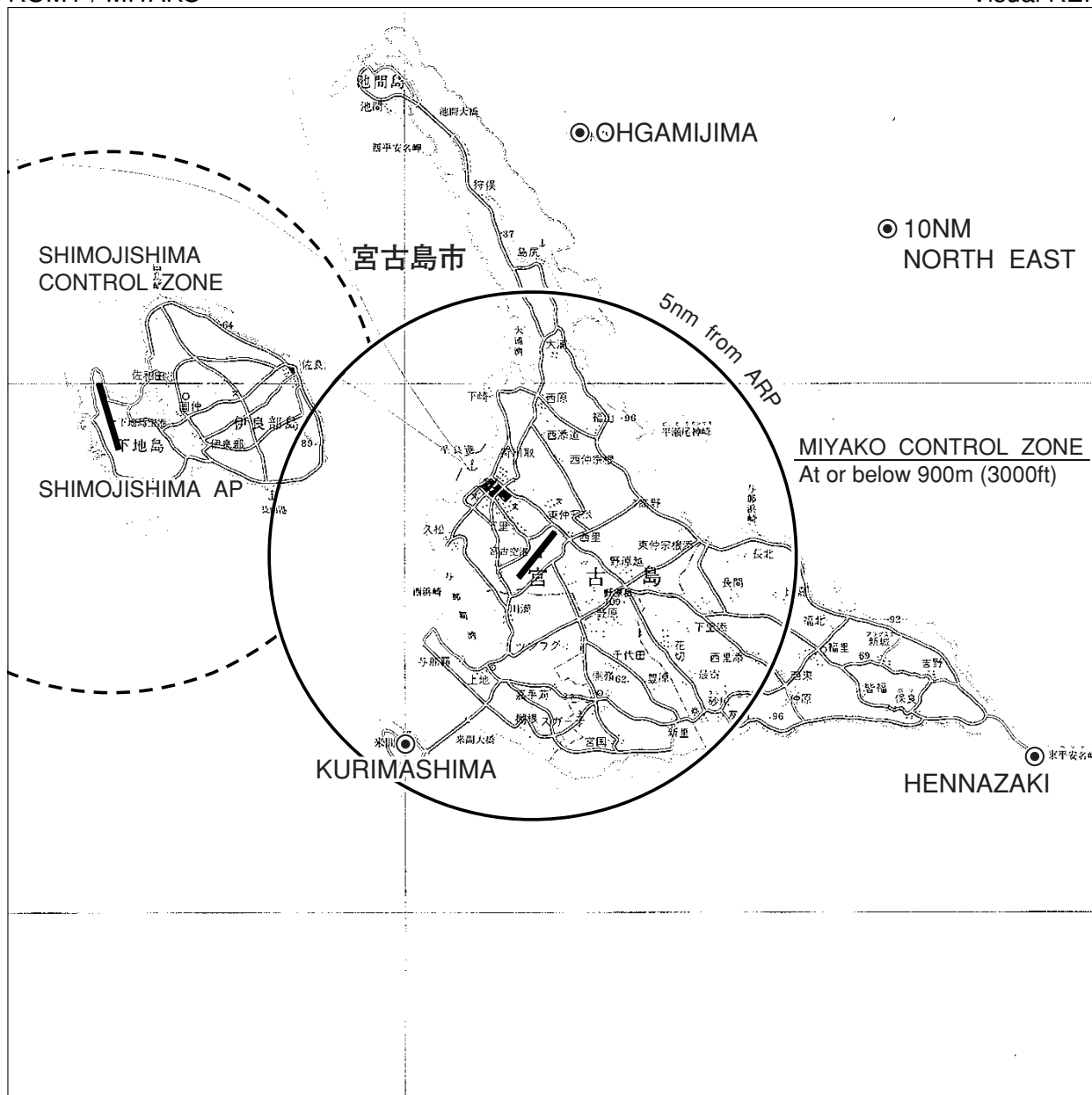
RNAV(RNP) X RWY04Coding Table

| 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<br>(250.0) | -4.8               | 8.4           | —              | —             | —            | —              | 1.0          |
| 003           | TF                                 | MY462               | —        | 255<br>(250.0) | -4.8               | 7.8           | —              | +2000         | -185         | —              | 1.0          |
| 004           | RF<br>Center:<br>MYRF2<br>r=2.46NM | INGYA               | —        | —              | -4.8               | 2.3           | R              | 2000          | —            | —              | 1.0          |
| 005           | RF<br>Center:<br>MYRF2<br>r=2.46NM | MY461               | —        | —              | -4.8               | 4.0           | R              | 712           | —            | -3.00          | 0.29<br>0.30 |
| 006           | TF                                 | RW04                | Y        | 043<br>(038.1) | -4.8               | 1.7           | —              | 174           | —            | -3.00/50       | 0.29<br>0.30 |
| 007           | TF                                 | UTIMA               | —        | 043<br>(038.2) | -4.8               | 5.4           | —              | —             | —            | —              | 1.0          |
| 008           | TF                                 | ARGUY               | —        | 111<br>(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



| Call sign            | BRG / DIST from ARP | Remarks            |
|----------------------|---------------------|--------------------|
| 10NM NORTH EAST      | 045°/10.0NM         | 海上<br>Over the sea |
| 大 神 島<br>Ohgamijima  | 009°/ 8.0NM         | 島<br>Island        |
| 来 間 島<br>Kurimashima | 220°/ 4.5NM         | 島<br>Island        |
| 平 安 名 崎<br>Hennazaki | 115°/10.0NM         | 灯台<br>Lighthouse   |

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