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STANDARD DEPARTURE CHART-INSTRUMENT

RJTH / HACHIOJIMA

SID

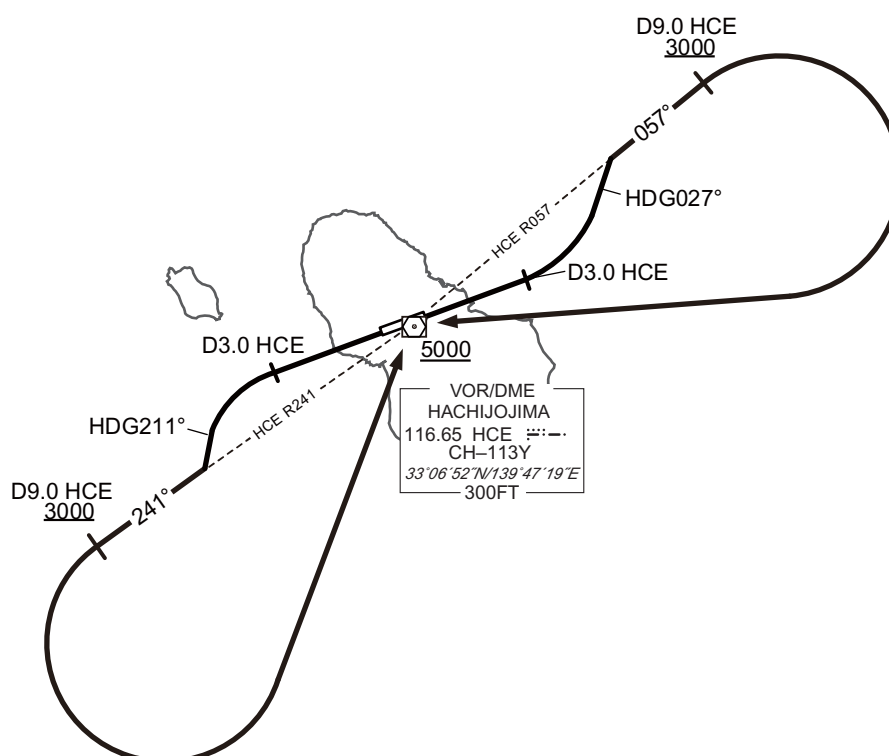
HACHIOJO REVERSAL SIX DEPARTURE

RWY08 : Climb RWY HDG to HCE 3.0DME, turn left HDG 027° to intercept and proceed via HCE R057 to 9.0DME, turn right, direct to HCE VOR/DME.

Cross HCE R057/9.0DME at or above 3000FT,
cross HCE VOR/DME at or above 5000FT.

RWY26 : Climb RWY HDG to HCE 3.0DME, turn left HDG 211° to intercept and proceed via HCE R241 to 9.0DME, turn left, direct to HCE VOR/DME.

Cross HCE R241/9.0DME at or above 3000FT,
cross HCE VOR/DME at or above 5000FT.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTH / HACHIJOJIMA

RNAV SID



RWY08 : Climb on HDG 076° at or above 1400FT, turn left direct to TOPIT.
RWY26 : Climb on HDG 256° at or above 3000FT, turn right direct to TOPIT.

RWY08

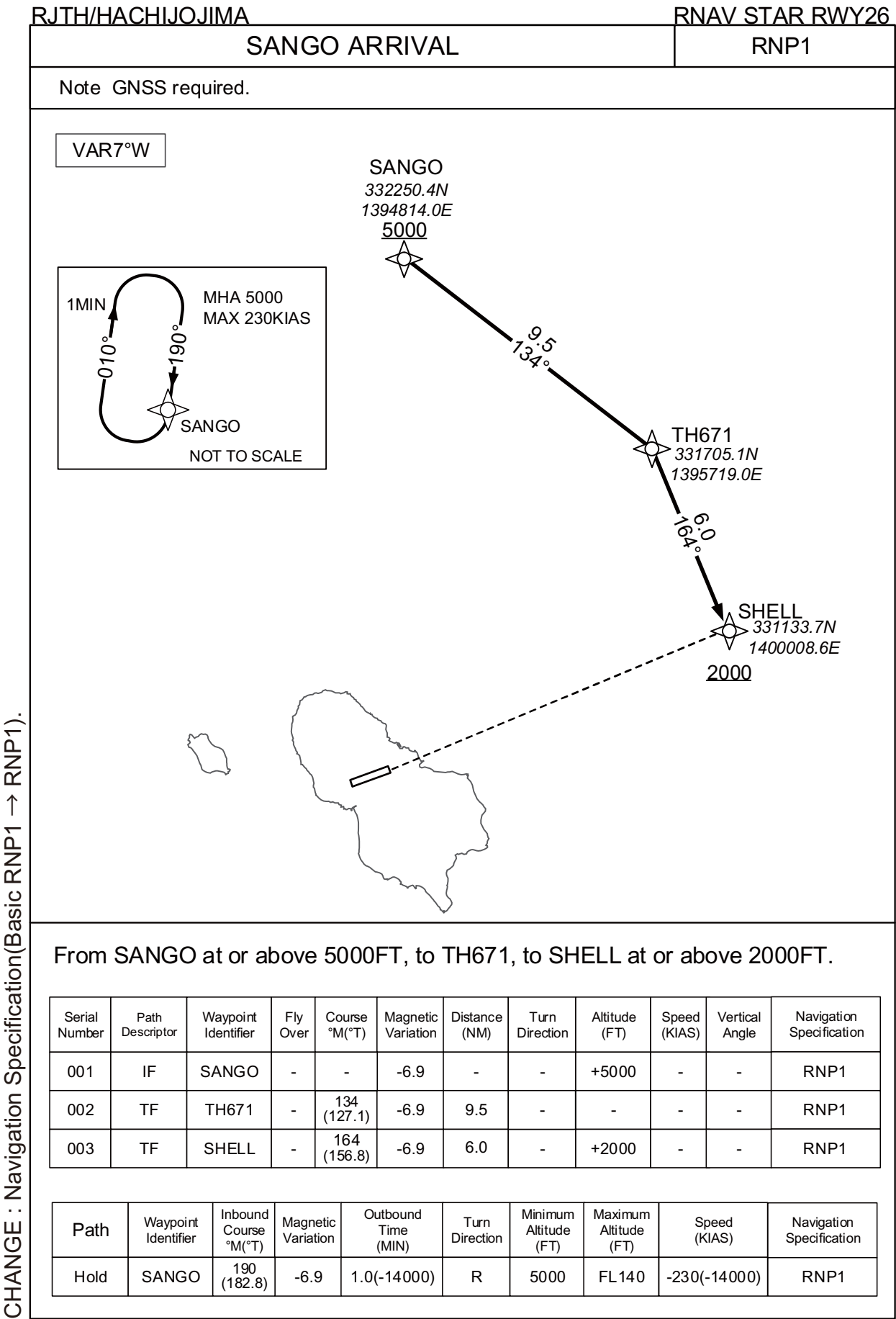
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 076 (069.5) | -6.7 | — | — | +1400 | — | — | RNP1 |
| 002 | DF | TOPIT | — | — | -6.7 | — | L | — | — | — | RNP1 |

RWY26

| 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 | — | — | 256 (249.5) | -6.7 | — | — | +3000 | — | — | RNP1 |
| 002 | DF | TOPIT | — | — | -6.7 | — | R | — | — | — | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT



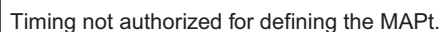
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RJTH / HACHIJOJIMA

LOC Z RWY26



Climb via HCE R254 to HCE 8.0DME,
turn left, direct to HCE VOR/DME and
hold at 5000FT.
Contact HACHIJO RADIO.




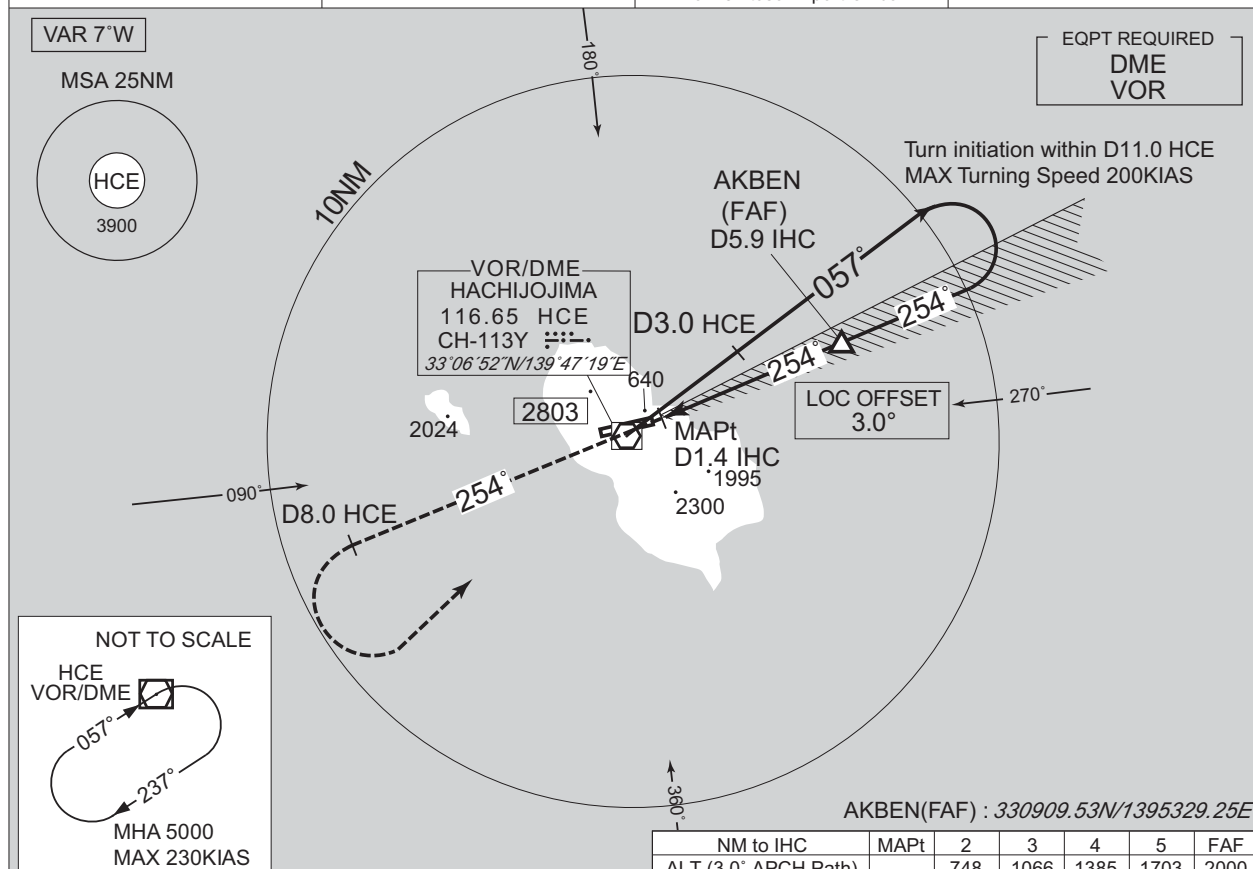
| MINIMA | | THR elev. 284 | AD elev. 301 | |
|--------|-----------|---------------|--------------|-----|
| CAT | | | CIRCLING | |
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 550 (266) | 1000 | - | - |
| B | | 1100 | | |
| C | | 1200 | | |
| D | | 1400 | | |

Circling NOT authorized.

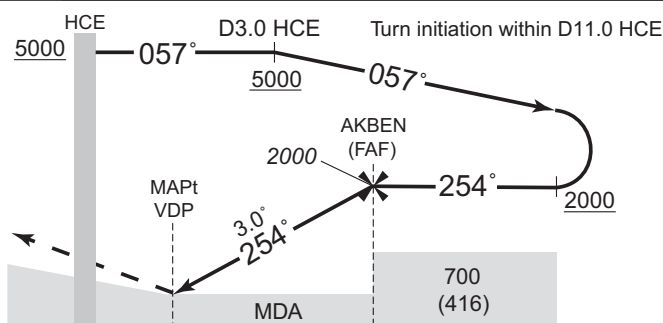
RJTH / HACHIJOJIMA

LOC Y RWY26

| | | | |
|--|--|--|----------|
| TOKYO CONTROL 125.9 – 134.15 318.2 – 227.3 | LOC 110.1 IHC  LOC-DME CH-38X | HACHIJO RADIO 118.7 AFIS provided by New Chitose Airport Office | NO RADAR |
|--|--|--|----------|



Climb via HCE R254 to HCE 8.0DME,
turn left, direct to HCE VOR/DME and
hold at 5000FT.
Contact HACHIJO RADIO.



Timing not authorized for defining the MAPt.

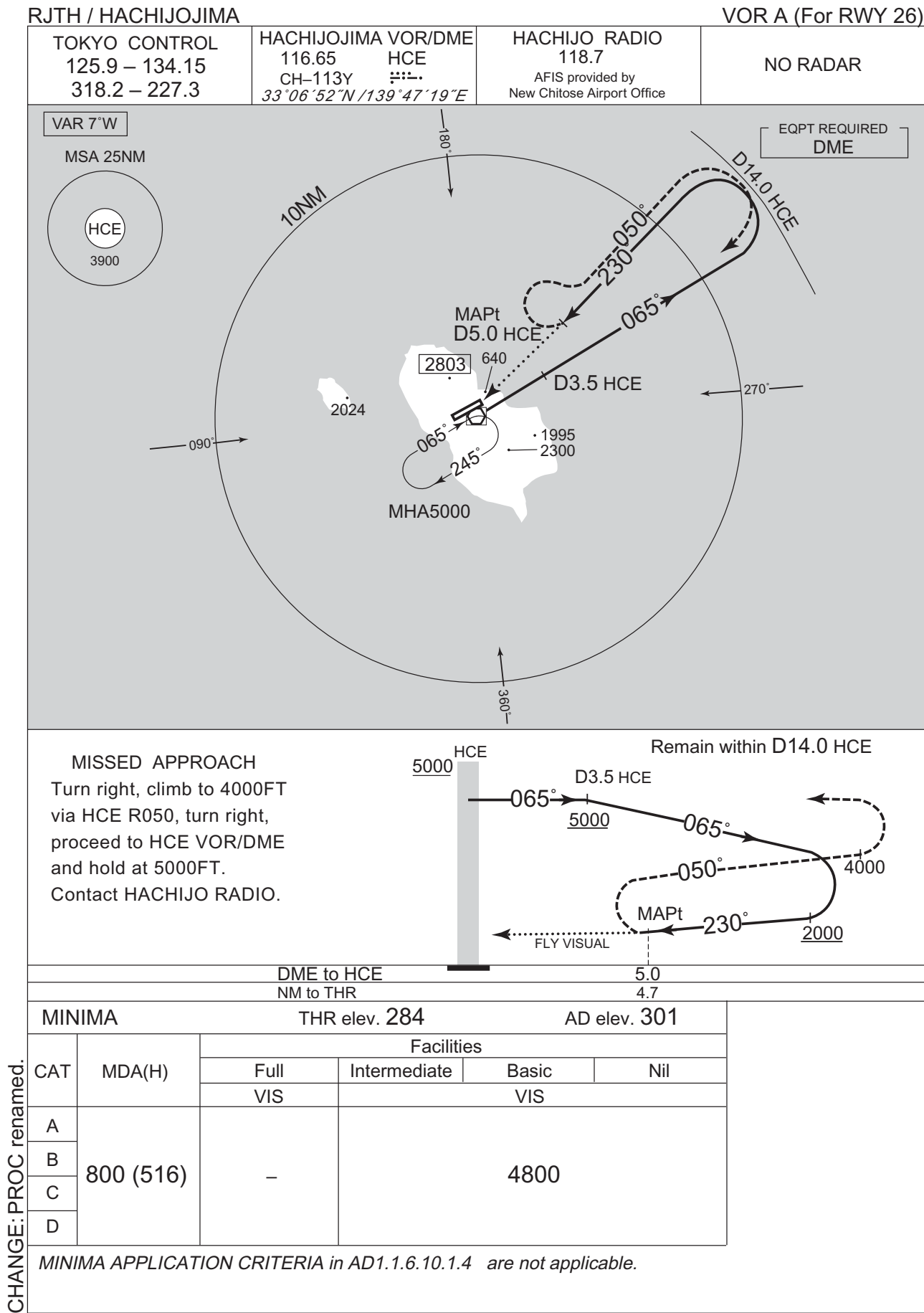
| | | | |
|------------|-----|-----|-----|
| DME to IHC | 0.7 | 1.4 | 5.9 |
| NM to THR | 0 | 0.7 | 5.2 |

| MINIMA | | THR elev. 284 | AD elev. 301 | |
|--------|-----------|---------------|--------------|-----|
| CAT | | | CIRCLING | |
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 550 (266) | 1000 | - | - |
| B | | 1100 | | |
| C | | 1200 | | |
| D | | 1400 | | |

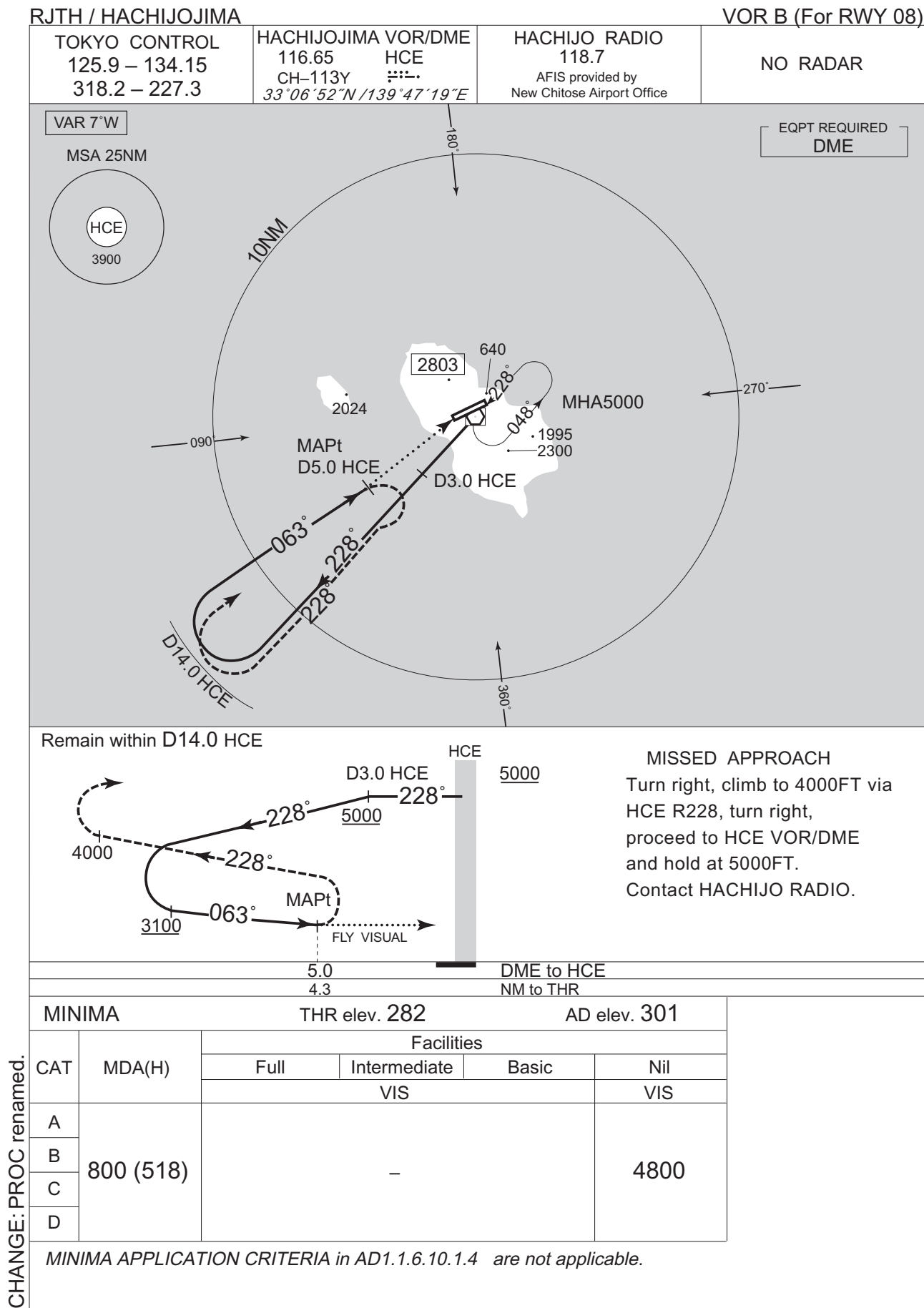
Circling NOT authorized.

CHANGE : PROC course. ALT(3.0°APCH path).

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

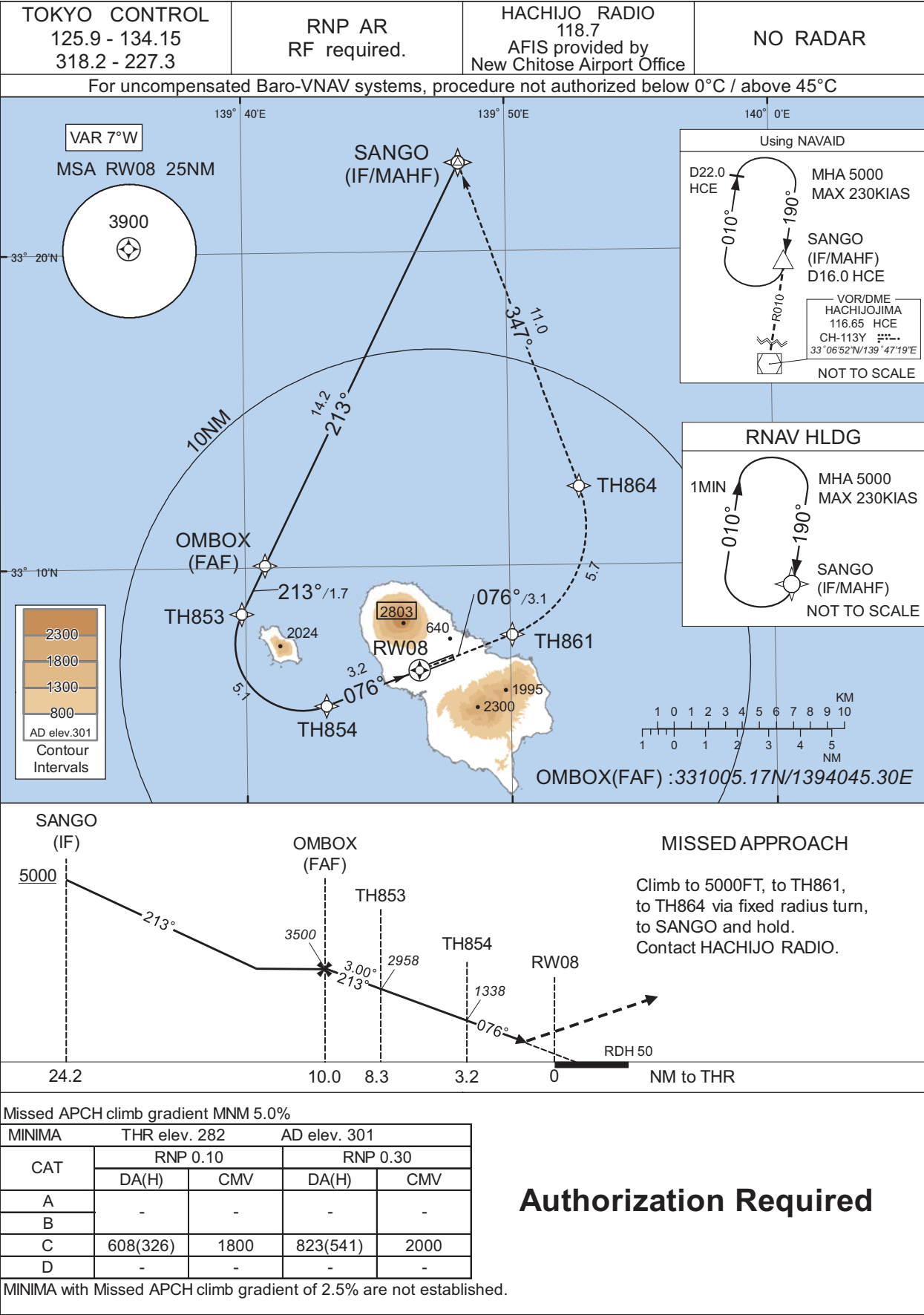


CHANGE: PROC renamed.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA

RNP Z RWY08(AR)



INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Z RWY08(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 | SANGO | - | - | -7.0 | - | - | +5000 | - | - | - |
| 002 | TF | OMBOX | - | 213 (206.1) | -7.0 | 14.2 | - | 3500 | - | - | 1.0 |
| 003 | TF | TH853 | - | 213 (206.1) | -7.0 | 1.7 | - | 2958 | - | -3.00 | 0.10 0.30 |
| 004 | RF Center: THRF3 r=2.13NM | TH854 | - | - | -7.0 | 5.1 | L | 1338 | - | -3.00 | 0.10 0.30 |
| 005 | TF | RW08 | Y | 076 (069.4) | -7.0 | 3.2 | - | 332 | - | -3.00/50 | 0.10 0.30 |
| 006 | TF | TH861 | - | 076 (069.5) | -7.0 | 3.1 | - | - | - | - | 0.10 0.30 |
| 007 | RF Center: THRF4 r=3.67NM | TH864 | - | - | -7.0 | 5.7 | L | - | - | - | 1.0 |
| 008 | TF | SANGO | - | 347 (340.3) | -7.0 | 11.0 | - | 5000 | - | - | 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 | SANGO | 190 (182.8) | -6.9 | 1.0 (-14000) | R | 5000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

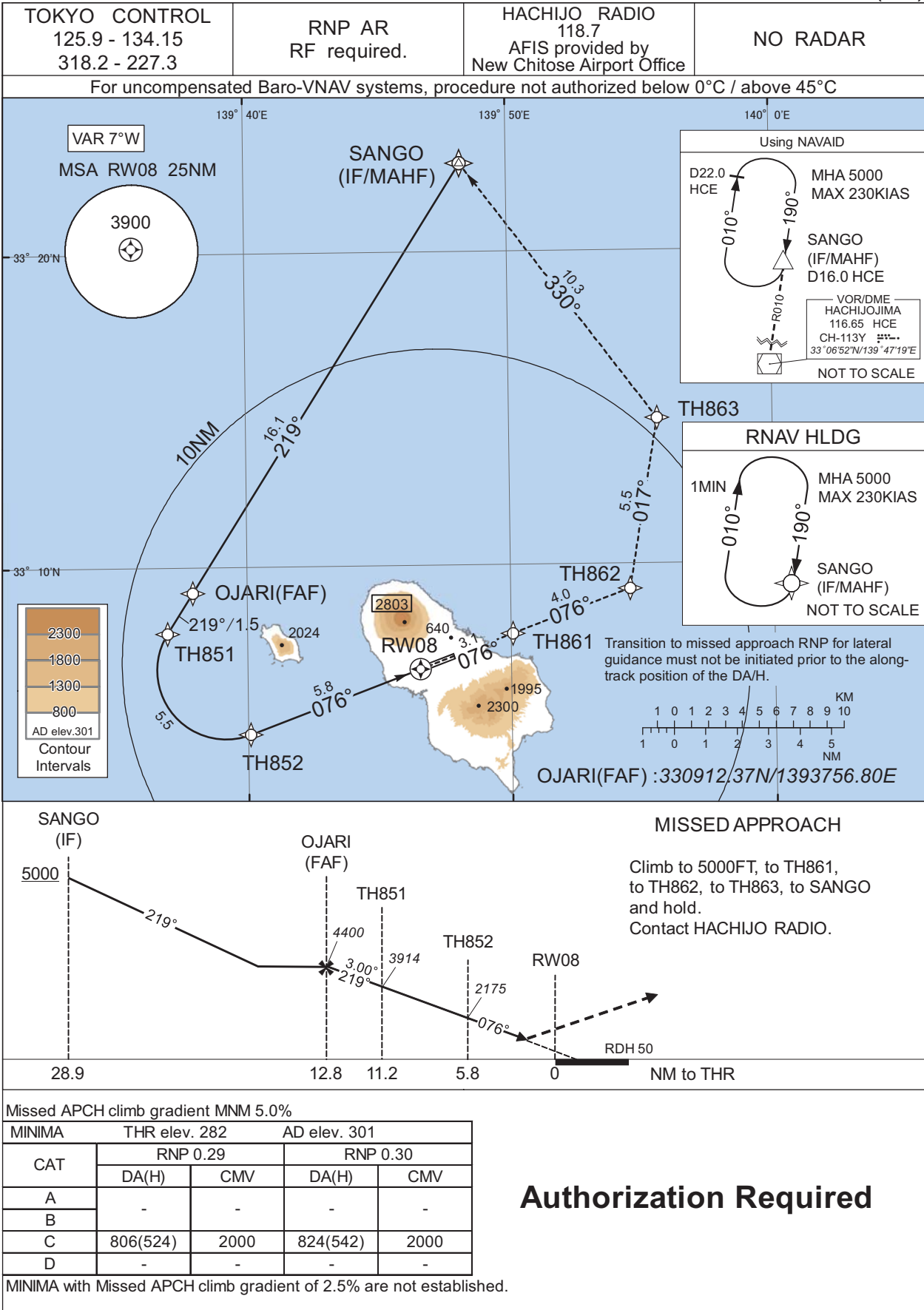
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SANGO | 332250.44N / 1394814.02E | THRF3 | 330736.61N / 1394208.22E |
| OMBOX | 331005.17N / 1394045.30E | THRF4 | 331116.16N / 1394832.59E |
| TH853 | 330833.19N / 1393951.52E | | |
| TH854 | 330536.55N / 1394301.55E | | |
| RW08 | 330643.03N / 1394633.07E | | |
| TH861 | 330749.27N / 1395004.24E | | |
| TH864 | 331230.95N / 1395239.67E | | |

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA

RNP Y RWY08(AR)



INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Y RWY08(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 | SANGO | - | - | -6.9 | - | - | +5000 | - | - | - |
| 002 | TF | OJARI | - | 219 (212.3) | -6.9 | 16.1 | - | 4400 | - | - | 1.0 |
| 003 | TF | TH851 | - | 219 (212.2) | -6.9 | 1.5 | - | 3914 | - | -3.00 | 0.29 0.30 |
| 004 | RF Center: THRF1 r=2.19NM | TH852 | - | - | -6.9 | 5.5 | L | 2175 | - | -3.00 | 0.29 0.30 |
| 005 | TF | RW08 | Y | 076 (069.4) | -6.9 | 5.8 | - | 332 | - | -3.00/50 | 0.29 0.30 |
| 006 | TF | TH861 | - | 076 (069.5) | -6.9 | 3.1 | - | - | - | - | 0.29 0.30 |
| 007 | TF | TH862 | - | 076 (069.5) | -6.9 | 4.0 | - | - | - | - | 1.0 |
| 008 | TF | TH863 | - | 017 (009.6) | -6.9 | 5.5 | - | - | - | - | 1.0 |
| 009 | TF | SANGO | - | 330 (323.0) | -6.9 | 10.3 | - | 5000 | - | - | 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 | SANGO | 190 (182.8) | -6.9 | 1.0 (-14000) | R | 5000 | FL140 | -230 (-14000) | 1.0 |

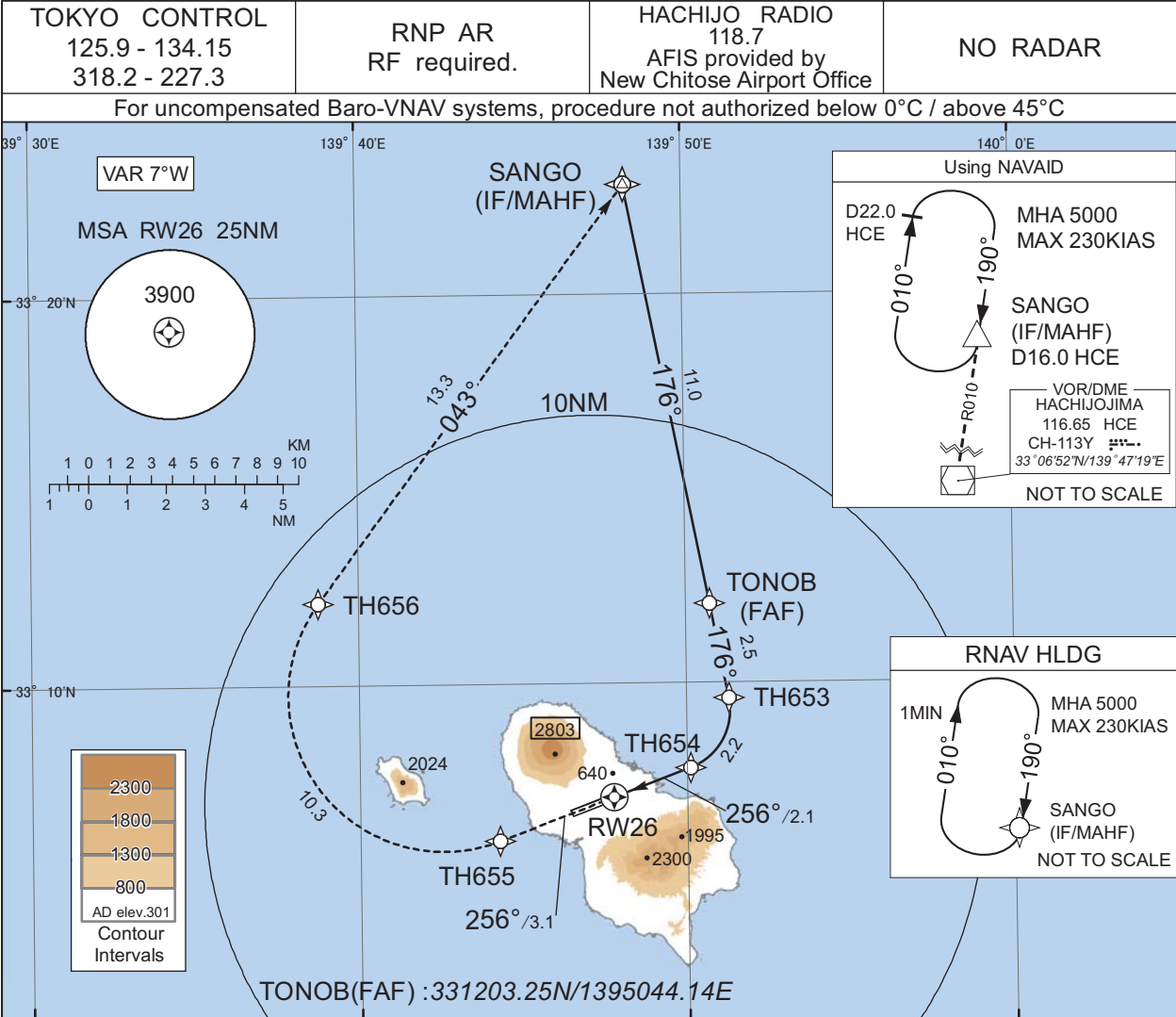
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SANGO | 332250.44N / 1394814.02E | THRF1 | 330644.49N / 1393910.78E |
| OJARI | 330912.37N / 1393756.80E | | |
| TH851 | 330754.90N / 1393658.54E | | |
| TH852 | 330441.17N / 1394005.63E | | |
| RW08 | 330643.03N / 1394633.07E | | |
| TH861 | 330749.27N / 1395004.24E | | |
| TH862 | 330913.15N / 1395432.21E | | |
| TH863 | 331439.22N / 1395537.92E | | |

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA RNP Z RWY26(AR)



MISSED APPROACH

Climb to 5000FT, to TH655, to TH656 via fixed radius turn, to SANGO and hold.
Contact HACHIOJO RADIO.

TONOB (FAF)

TH653

TH654

RW26

RDH 50

256°

1004

1713

2500

176°

3.00°

5000

NM to THR

0 2.1 4.3 6.8 17.8

Missed APCH climb gradient MNM 5.0%

| CAT | THR elev. 284 | | AD elev. 301 | |
|-----|---------------|------|--------------|------|
| | DA(H) | CMV | DA(H) | CMV |
| A | - | - | - | - |
| B | - | - | - | - |
| C | 545(261) | 1200 | 844(560) | 1600 |
| D | - | - | - | - |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Authorization Required

INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Z RWY26(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 | SANGO | - | - | -7.0 | - | - | +5000 | - | - | - |
| 002 | TF | TONOB | - | 176 (169.0) | -7.0 | 11.0 | - | 2500 | - | - | 1.0 |
| 003 | TF | TH653 | - | 176 (169.0) | -7.0 | 2.5 | - | 1713 | - | -3.00 | 0.10 0.30 |
| 004 | RF Center: THRF5 r=1.58NM | TH654 | - | - | -7.0 | 2.2 | R | 1004 | - | -3.00 | 0.10 0.30 |
| 005 | TF | RW26 | Y | 256 (249.5) | -7.0 | 2.1 | - | 334 | - | -3.00/50 | 0.10 0.30 |
| 006 | TF | TH655 | - | 256 (249.5) | -7.0 | 3.1 | - | - | - | - | 0.10 0.30 |
| 007 | RF Center: THRF6 r=4.00NM | TH656 | - | - | -7.0 | 10.3 | R | - | - | - | 0.30 |
| 008 | TF | SANGO | - | 043 (036.4) | -7.0 | 13.3 | - | 5000 | - | - | 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 | SANGO | 190 (182.8) | -6.9 | 1.0 (-14000) | R | 5000 | FL140 | -230 (-14000) | 1.0 |

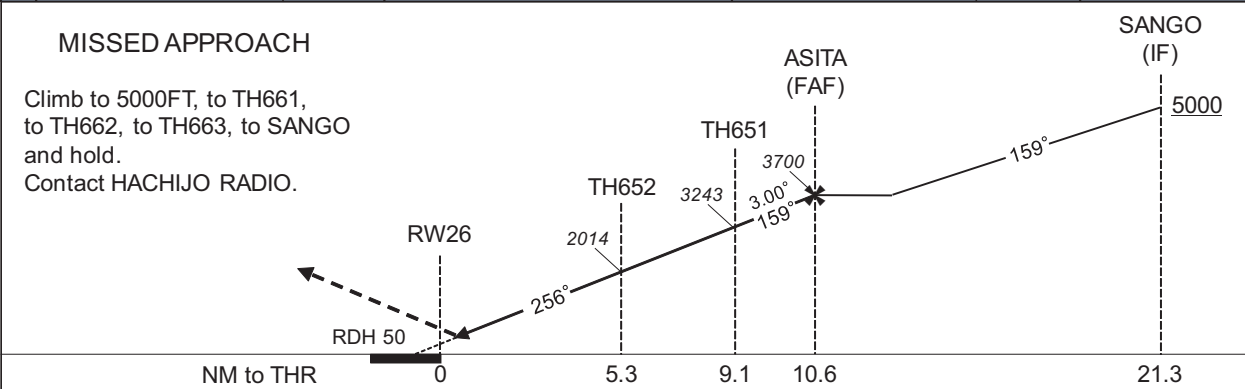
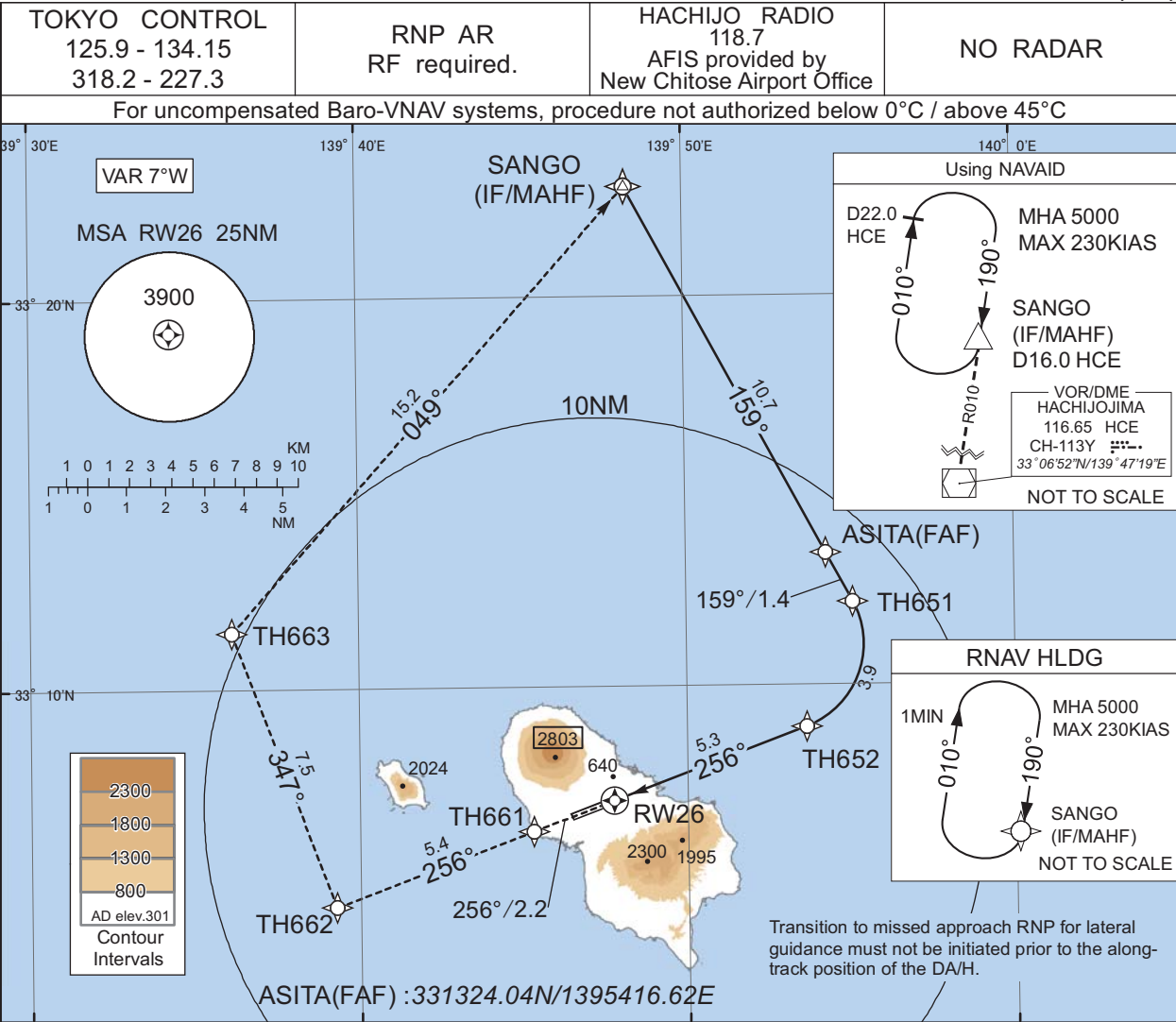
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SANGO | 332250.44N / 1394814.02E | THRF5 | 330919.08N / 1394926.90E |
| TONOB | 331203.25N / 1395044.14E | THRF6 | 330944.94N / 1394235.78E |
| TH653 | 330937.26N / 1395117.91E | | |
| TH654 | 330749.94N / 1395006.37E | | |
| RW26 | 330705.72N / 1394745.36E | | |
| TH655 | 330559.88N / 1394415.73E | | |
| TH656 | 331208.05N / 1393846.29E | | |

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA RNP Y RWY26(AR)



CHANGE : PROC renamed.

Missed APCH climb gradient MNM 5.9% for RNP 0.21
Missed APCH climb gradient MNM 5.0% for RNP 0.30

| CAT | RNP 0.21 | | RNP 0.30 | |
|-----|----------|------|----------|------|
| | DA(H) | CMV | DA(H) | CMV |
| A | - | - | - | - |
| B | - | - | - | - |
| C | 617(333) | 1400 | 844(560) | 1600 |
| D | - | - | - | - |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Authorization Required

INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Y RWY26(AR)

Coding Table

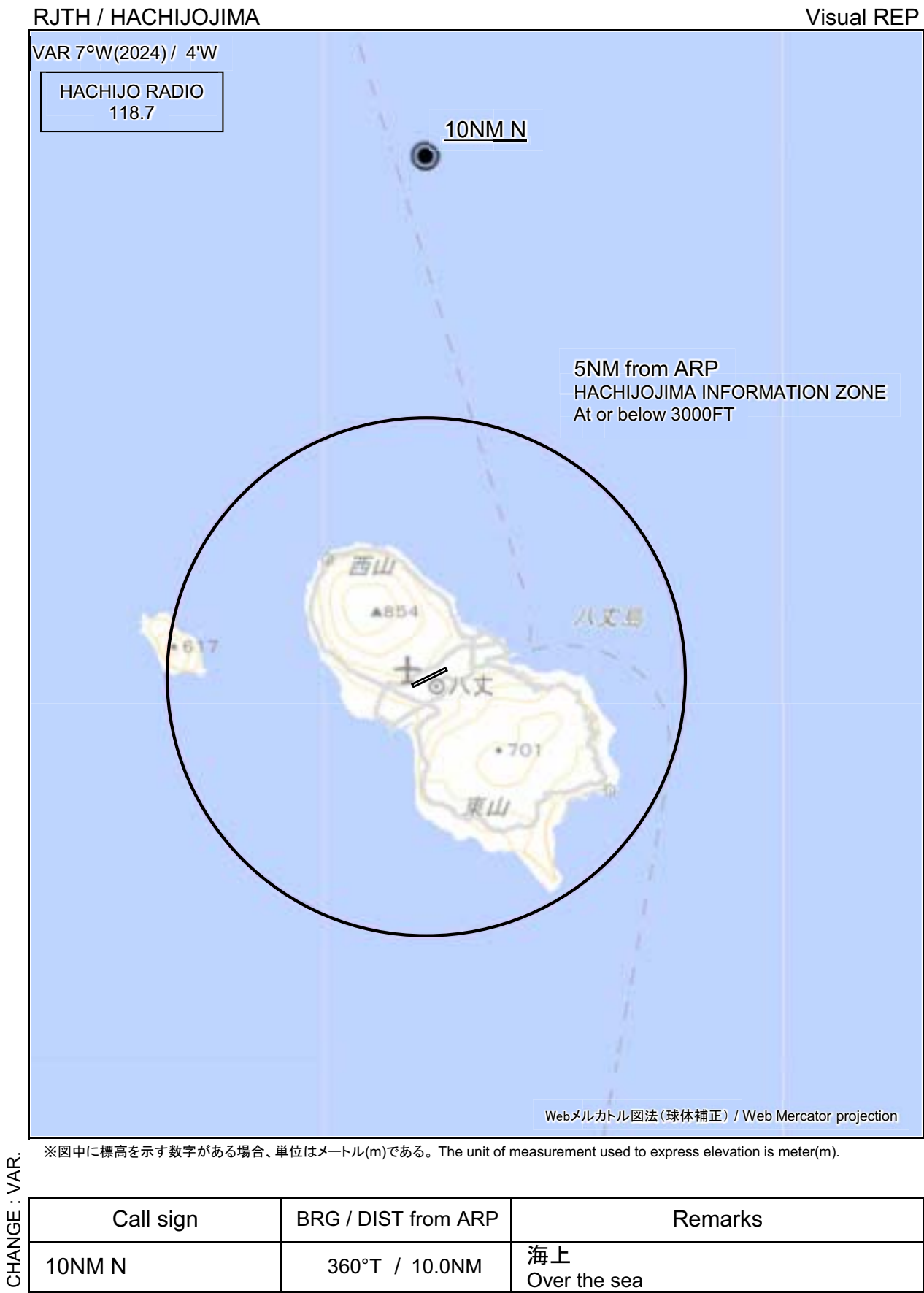
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 001 | IF | SANGO | - | - | -6.9 | - | - | +5000 | - | - | - |
| 002 | TF | ASITA | - | 159 (151.8) | -6.9 | 10.7 | - | 3700 | - | - | 1.0 |
| 003 | TF | TH651 | - | 159 (151.9) | -6.9 | 1.4 | - | 3243 | - | -3.00 | 0.21 0.30 |
| 004 | RF Center: THRF2 r=2.26NM | TH652 | - | - | -6.9 | 3.9 | R | 2014 | - | -3.00 | 0.21 0.30 |
| 005 | TF | RW26 | Y | 256 (249.5) | -6.9 | 5.3 | - | 334 | - | -3.00/50 | 0.21 0.30 |
| 006 | TF | TH661 | - | 256 (249.5) | -6.9 | 2.2 | - | - | - | - | 0.21 0.30 |
| 007 | TF | TH662 | - | 256 (249.4) | -6.9 | 5.4 | - | - | - | - | 1.0 |
| 008 | TF | TH663 | - | 347 (339.6) | -6.9 | 7.5 | - | - | - | - | 1.0 |
| 009 | TF | SANGO | - | 049 (041.6) | -6.9 | 15.2 | - | 5000 | - | - | 1.0 |

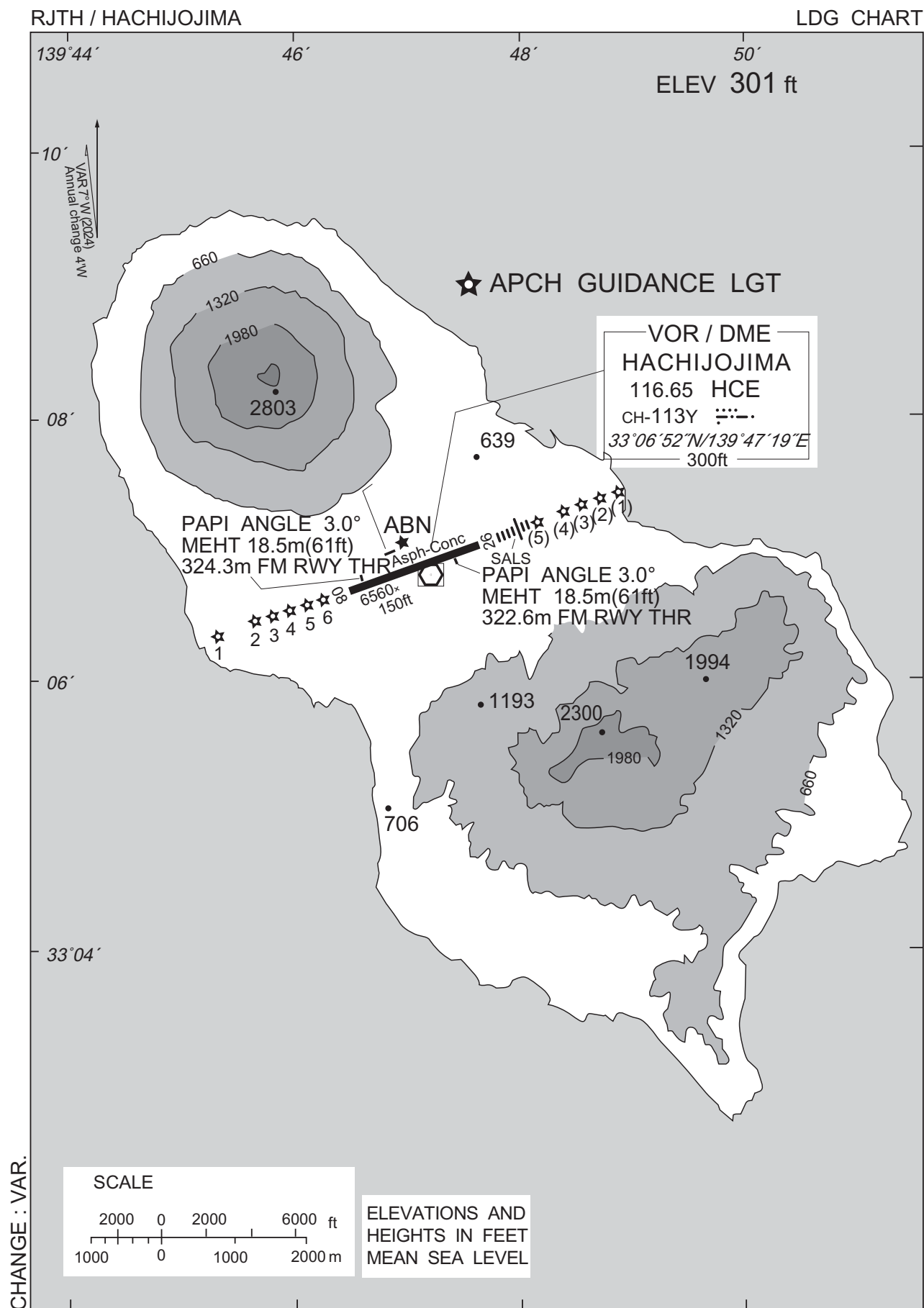
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|------------------|-----------|
| Hold | SANGO | 190 (182.8) | -6.9 | 1.0 (-14000) | R | 5000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SANGO | 332250.44N / 1394814.02E | THRF2 | 331103.88N / 1395242.68E |
| ASITA | 331324.04N / 1395416.62E | | |
| TH651 | 331208.17N / 1395505.07E | | |
| TH652 | 330856.50N / 1395339.00E | | |
| RW26 | 330705.72N / 1394745.36E | | |
| TH661 | 330619.39N / 1394517.79E | | |
| TH662 | 330425.68N / 1393916.49E | | |
| TH663 | 331127.97N / 1393608.44E | | |

CHANGE : PROC renamed.





RJTH / HACHIOJIMA

Minimum Vectoring Altitude CHART



CENTER : 330654N/1394709E (ARP)

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