

RJTH / HACHIJOJIMA

AD CHART



INTENTIONALLY LEFT BLANK

STANDARD DEPARTURE CHART-INSTRUMENT

RJTH / HACHIOJIMA

SID

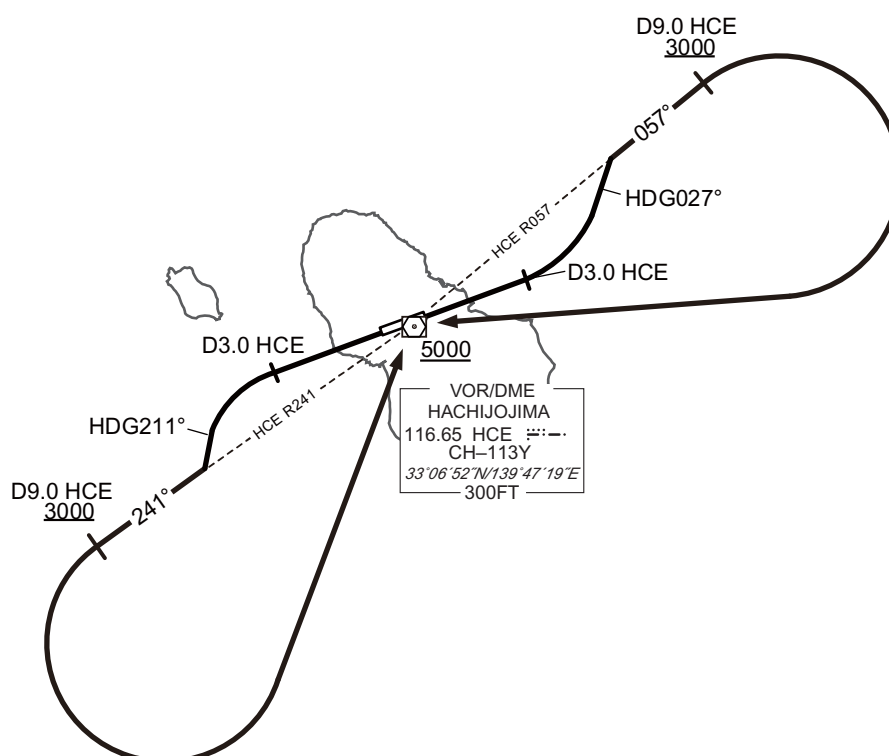
HACHIOJO REVERSAL SIX DEPARTURE

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.

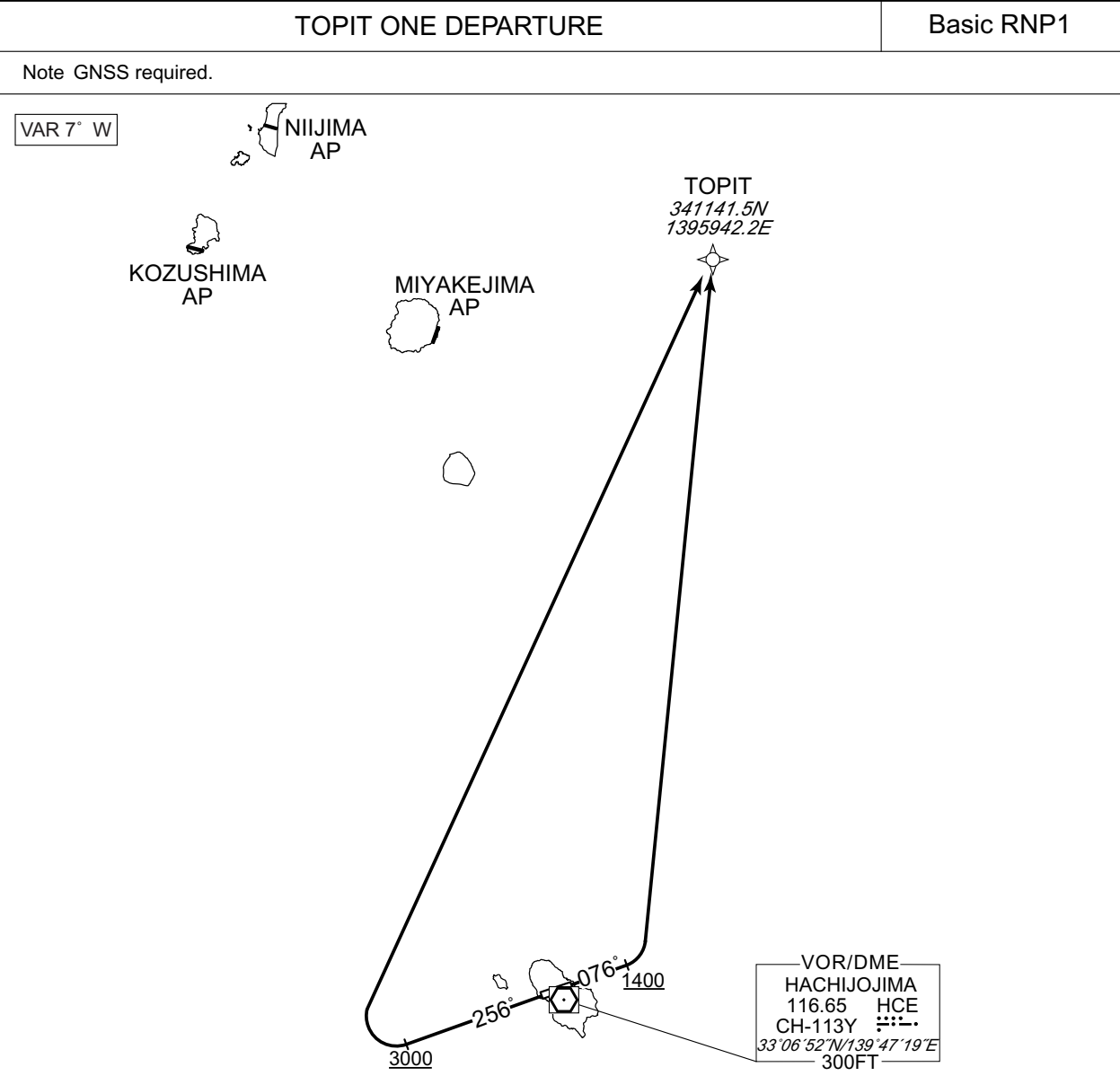


CHANGE : PROC renamed. PROC course.

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 | — | — | Basic RNP1 |
| 002 | DF | TOPIT | — | — | -6.7 | — | L | — | — | — | Basic 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 | — | — | Basic RNP1 |
| 002 | DF | TOPIT | — | — | -6.7 | — | R | — | — | — | Basic RNP1 |

CHANGE : Description of VAR and PROC name.

STANDARD ARRIVAL CHART-INSTRUMENT

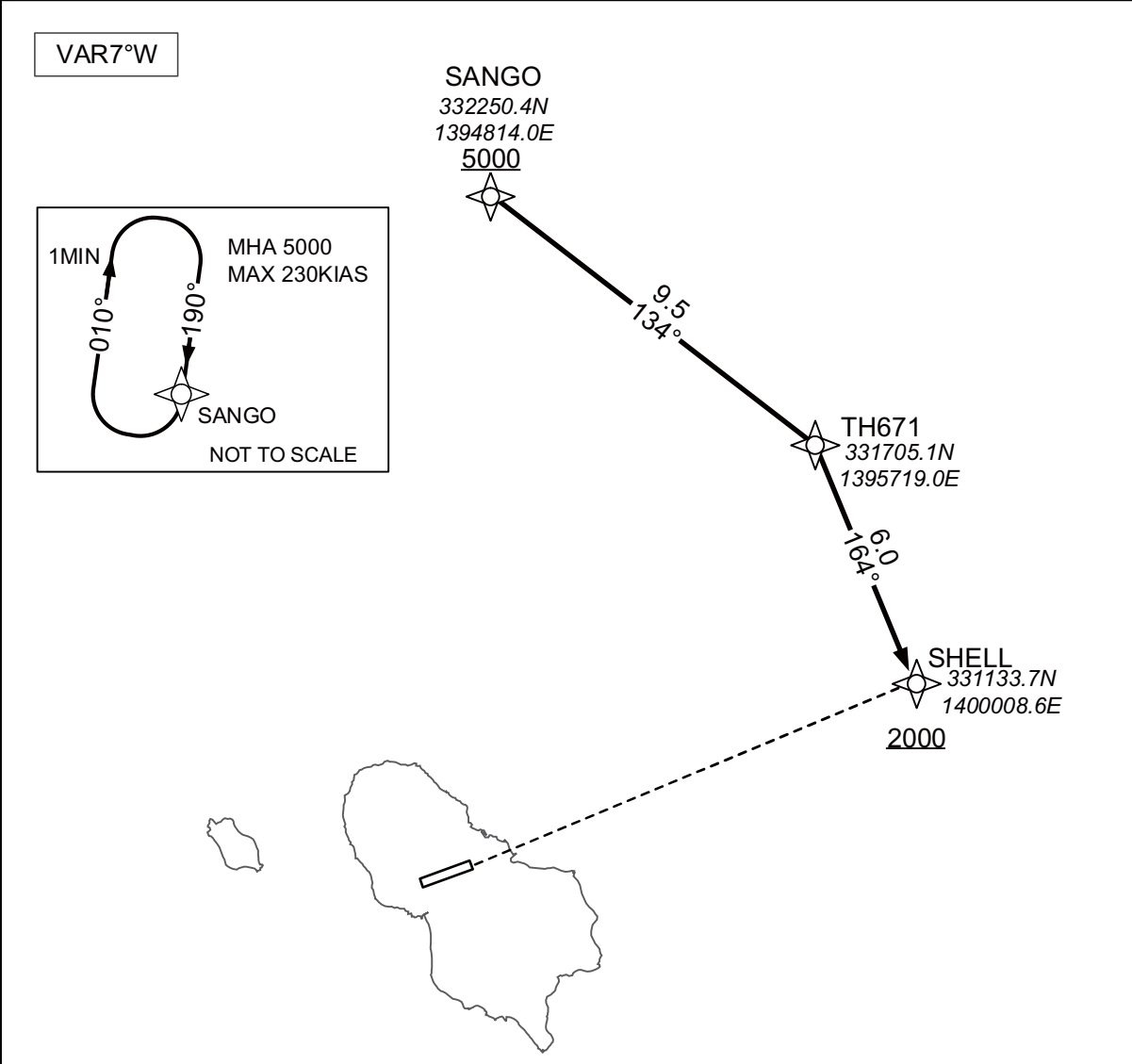
RJTH/HACHIOJIMA

RNAV STAR RWY26

SANGO ARRIVAL

Basic RNP1

Note GNSS required.



From SANGO at or above 5000FT, to TH671, to SHELL at or above 2000FT.

| 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 | SANGO | - | - | -6.9 | - | - | +5000 | - | - | Basic RNP1 |
| 002 | TF | TH671 | - | 134 (127.1) | -6.9 | 9.5 | - | - | - | - | Basic RNP1 |
| 003 | TF | SHELL | - | 164 (156.8) | -6.9 | 6.0 | - | +2000 | - | - | Basic RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | SANGO | 190 (182.8) | -6.9 | 1.0(-14000) | R | 5000 | FL 140 | -230(-14000) | Basic RNP1 |

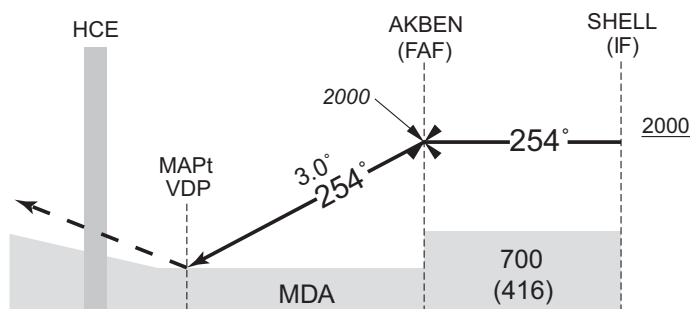
INTENTIONALLY LEFT BLANK

RJTH / HACHIJOJIMA

LOC Z RWY26



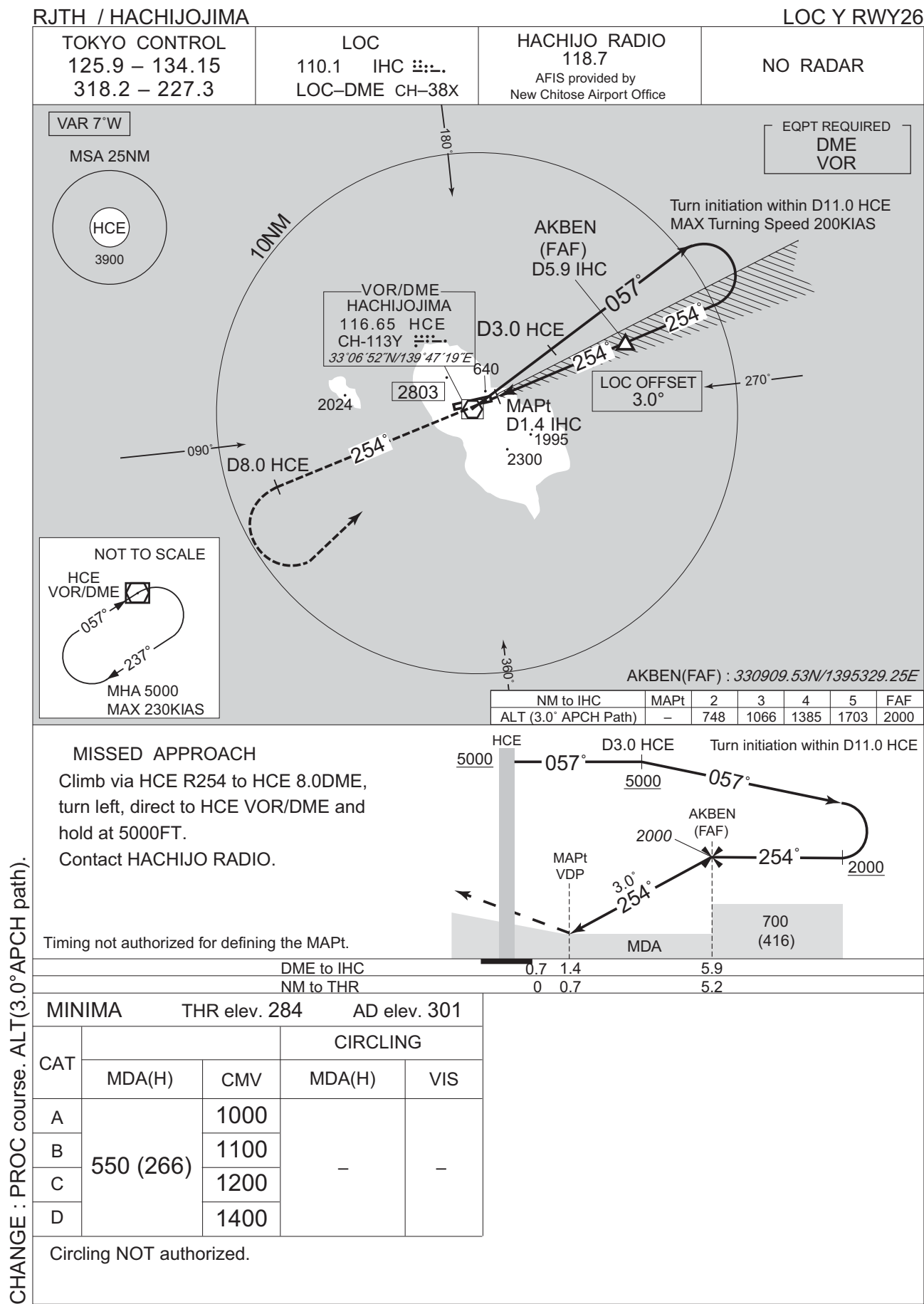
Timing not authorized for defining the MAPt.



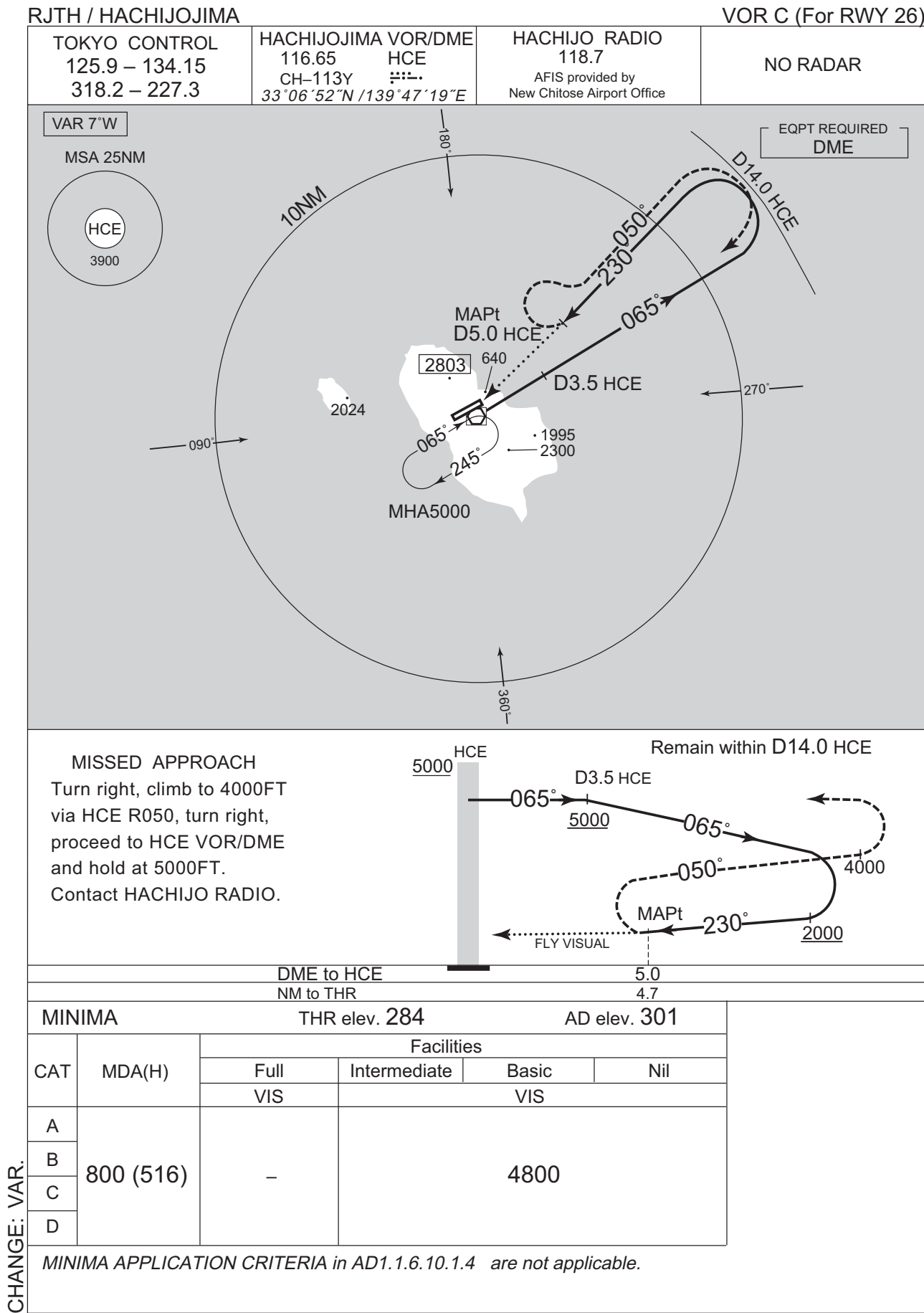
| MINIMA | | THR elev. 284 | AD elev. 301 | |
|--------|-----------|---------------|--------------|-----|
| CAT | | | CIRCLING | |
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 550 (266) | 1000 | - | - |
| B | | 1100 | | |
| C | | 1200 | | |
| D | | 1400 | | |

Circling NOT authorized.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



RJTH / HACHIOJIMA

VOR D (For RWY 08)

NO RADAR

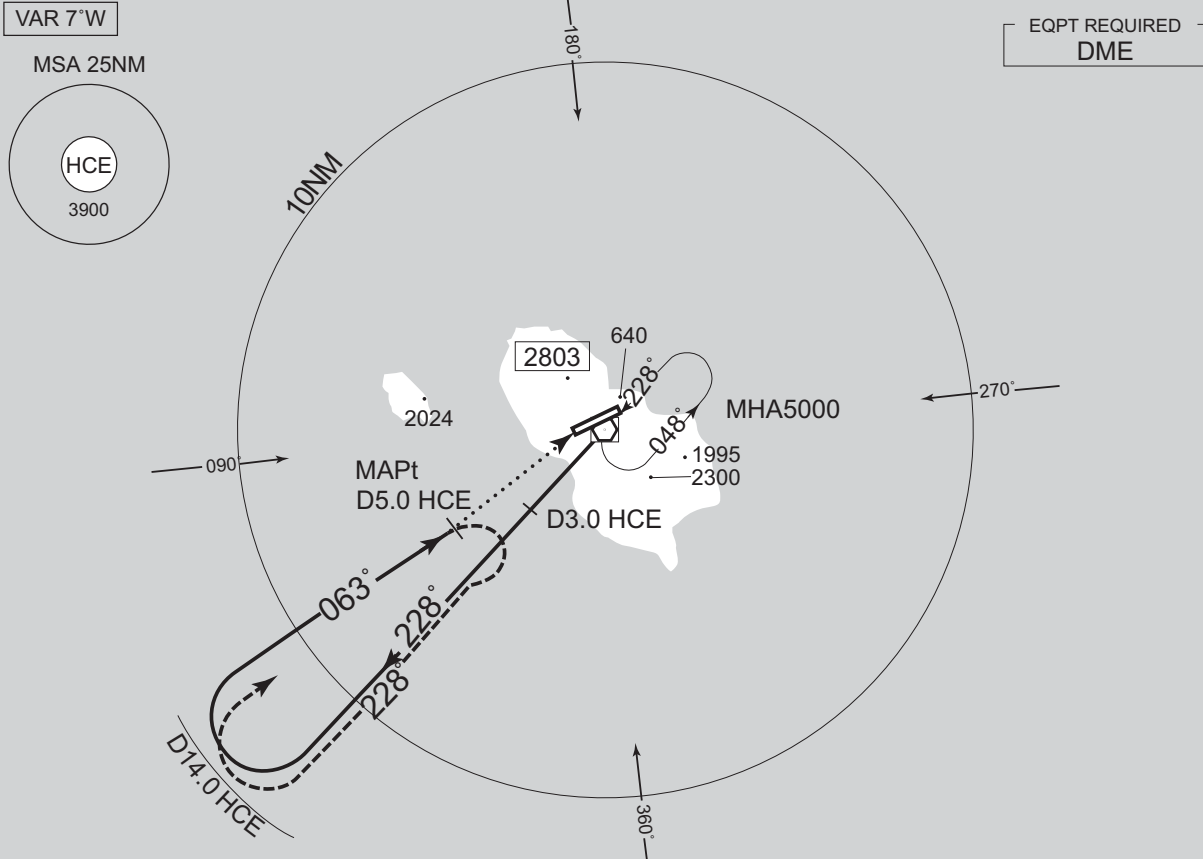


Diagram illustrating a flight path for a DME arc. The path starts at a distance of 4000 from the HCE, turns 228°, flies to 5000, turns 228°, flies to 3100, turns 063°, and flies to the MAPt. The distance from the MAPt to the HCE is 5.0 NM. The distance from the MAPt to the HCE is 4.3 NM. The HCE is 5000 NM from the DME station.

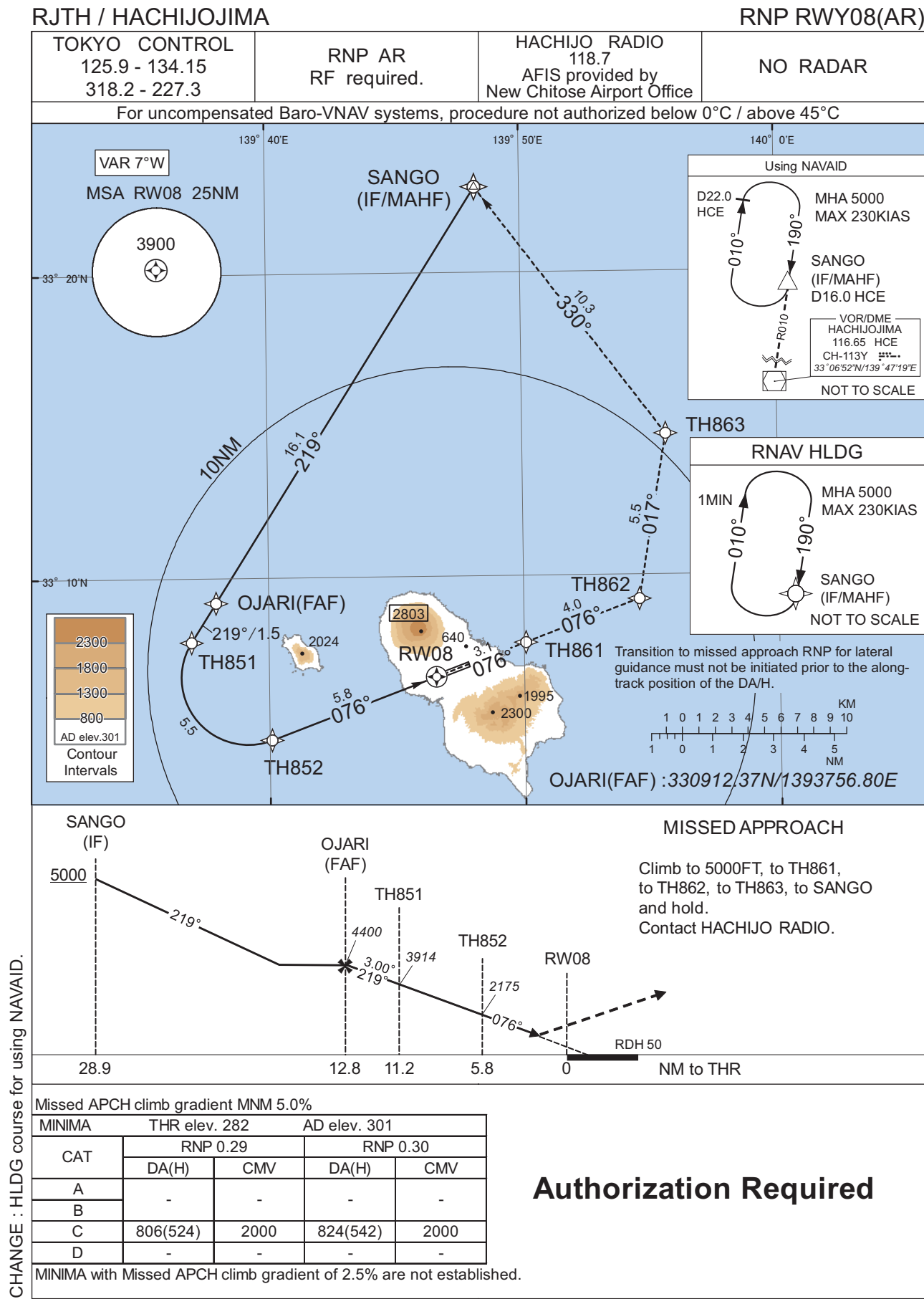
MISSED APPROACH
Turn right, climb to 4000FT via
HCE R228, turn right,
proceed to HCE VOR/DME
and hold at 5000FT.
Contact HACHIJO RADIO.

| MINIMA | | THR elev. 282 | | | AD elev. 301 | |
|--------|-----------|---------------|--------------|-------|--------------|--|
| CAT | MDA(H) | Facilities | | | | |
| | | Full | Intermediate | Basic | Nil | |
| | | VIS | | | VIS | |
| A | 800 (518) | – | | | 4800 | |
| B | | | | | | |
| C | | | | | | |
| D | | | | | | |

MINIMA APPLICATION CRITERIA in AD1.1.6.10.1.4 are not applicable.

CHANGE: VAR.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP 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 | | |

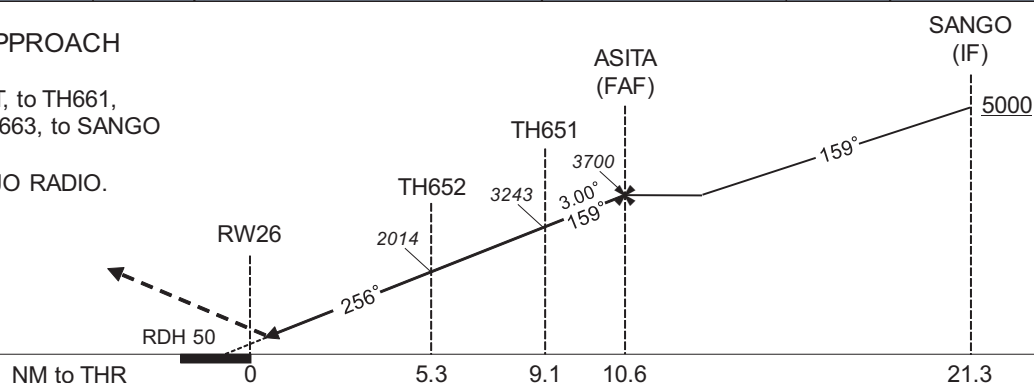
CHANGE : VAR. Course FM TH862 to TH863. RNAV HLDG established.

RJTH / HACHIOJIMA

RNP RWY26(AR)



Climb to 5000FT, to TH661,
to TH662, to TH663, to SANGO
and hold.
Contact HACHIJO RADIO.



Missed APCH climb gradient MNM 5.0% for RNP 0.30

| MINIMA | | | | |
|---------------|----------|--------------|----------|------|
| THR elev. 284 | | AD elev. 301 | | |
| 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 RWY26(AR)

Coding Table

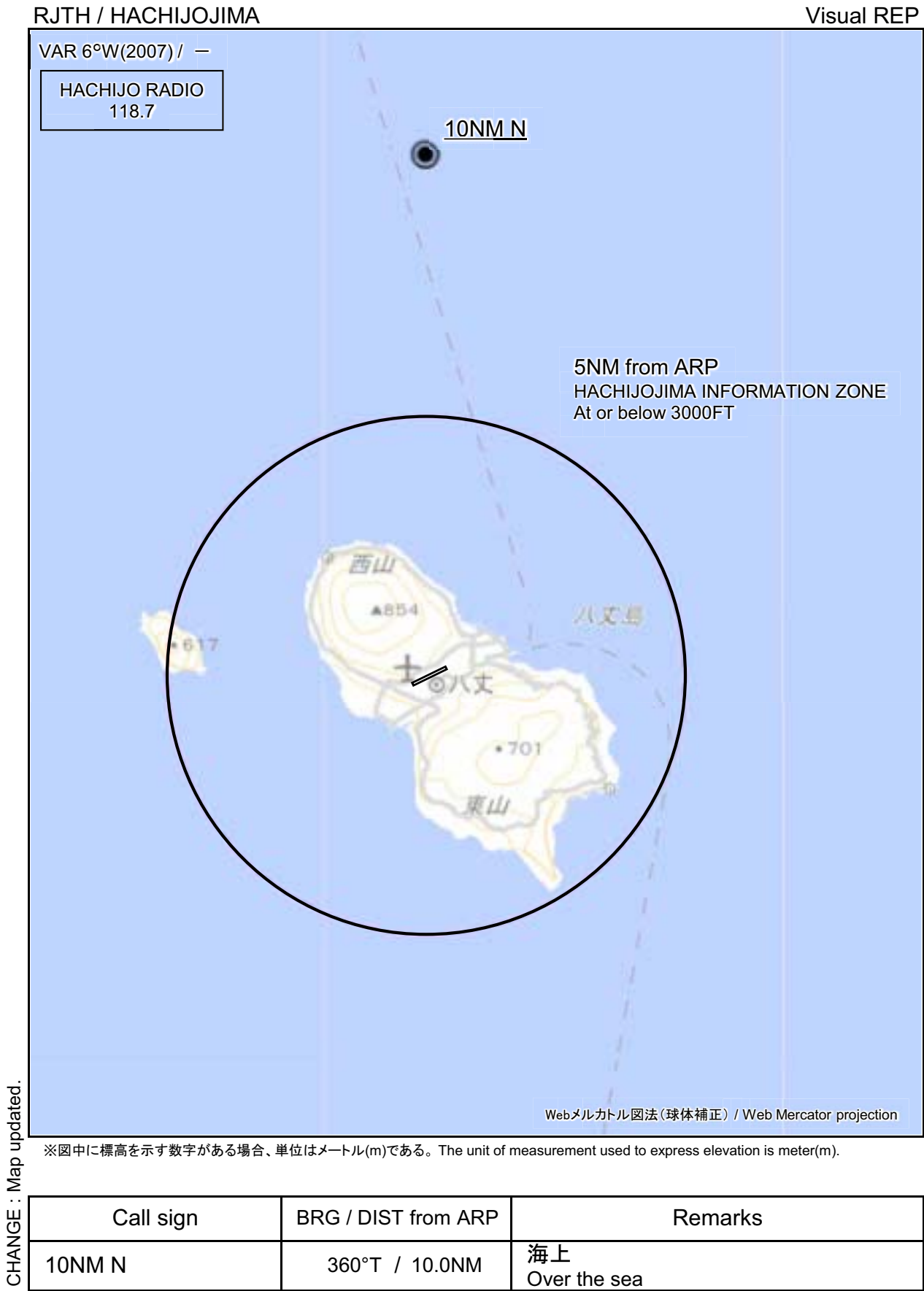
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 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

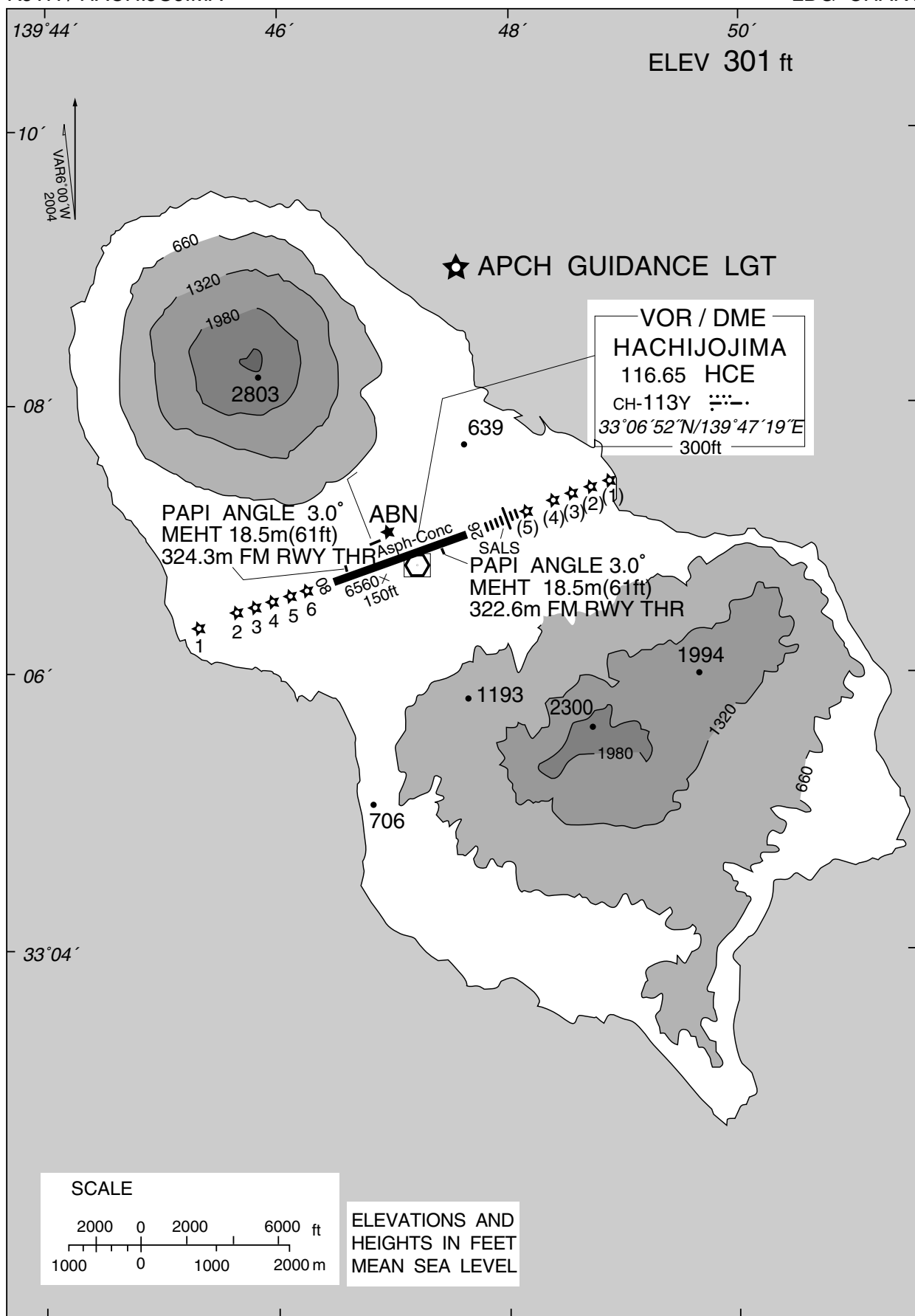
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SANGO | 332250.44N / 1394814.02E | THRF2 | 331103.88N / 1395242.68E |
| ASITA | 331324.04N / 1395416.62E | | |
| TH651 | 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 : VAR. PROC course. Missed APCH PROC. RNAV HLDG established.



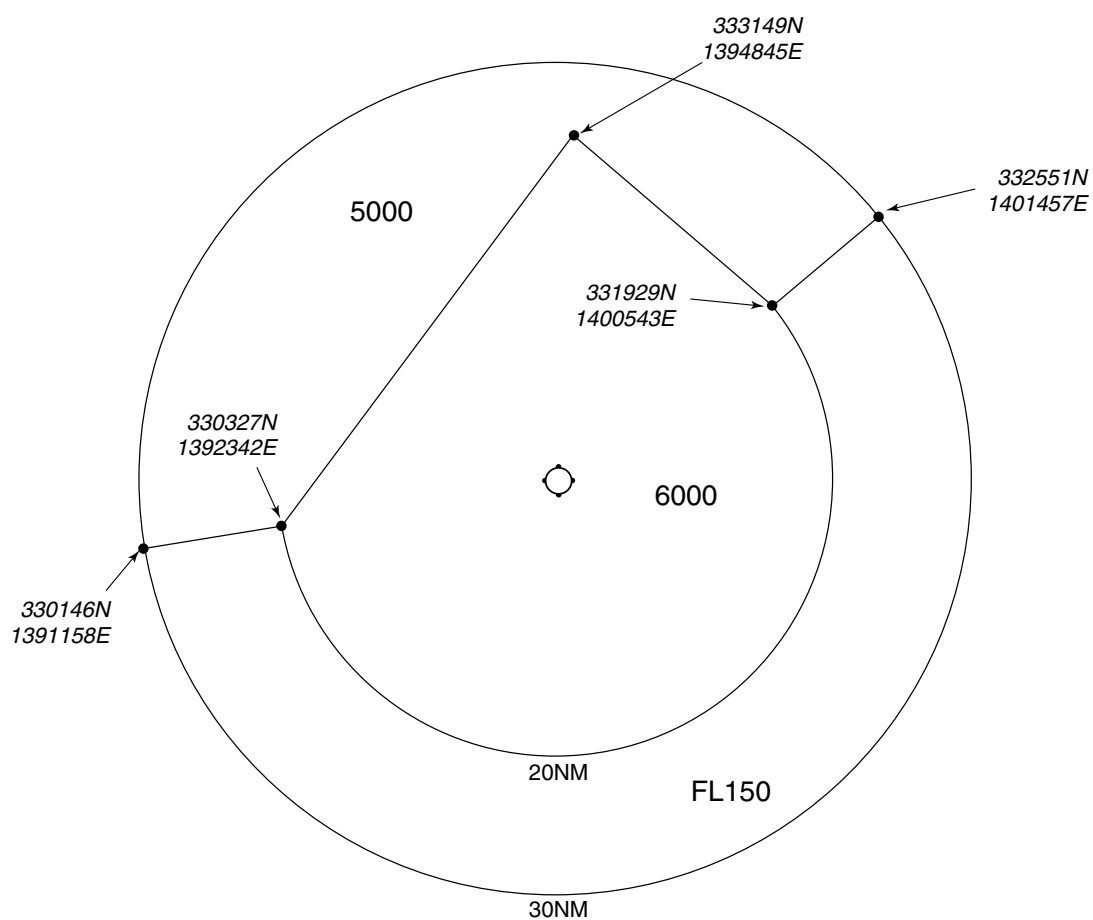
RJTH / HACHIOJIMA

LDG CHART



RJTH / HACHIOJIMA

Minimum Vectoring Altitude CHART



CENTER : 330654N/1394709E (ARP)

INTENTIONALLY LEFT BLANK