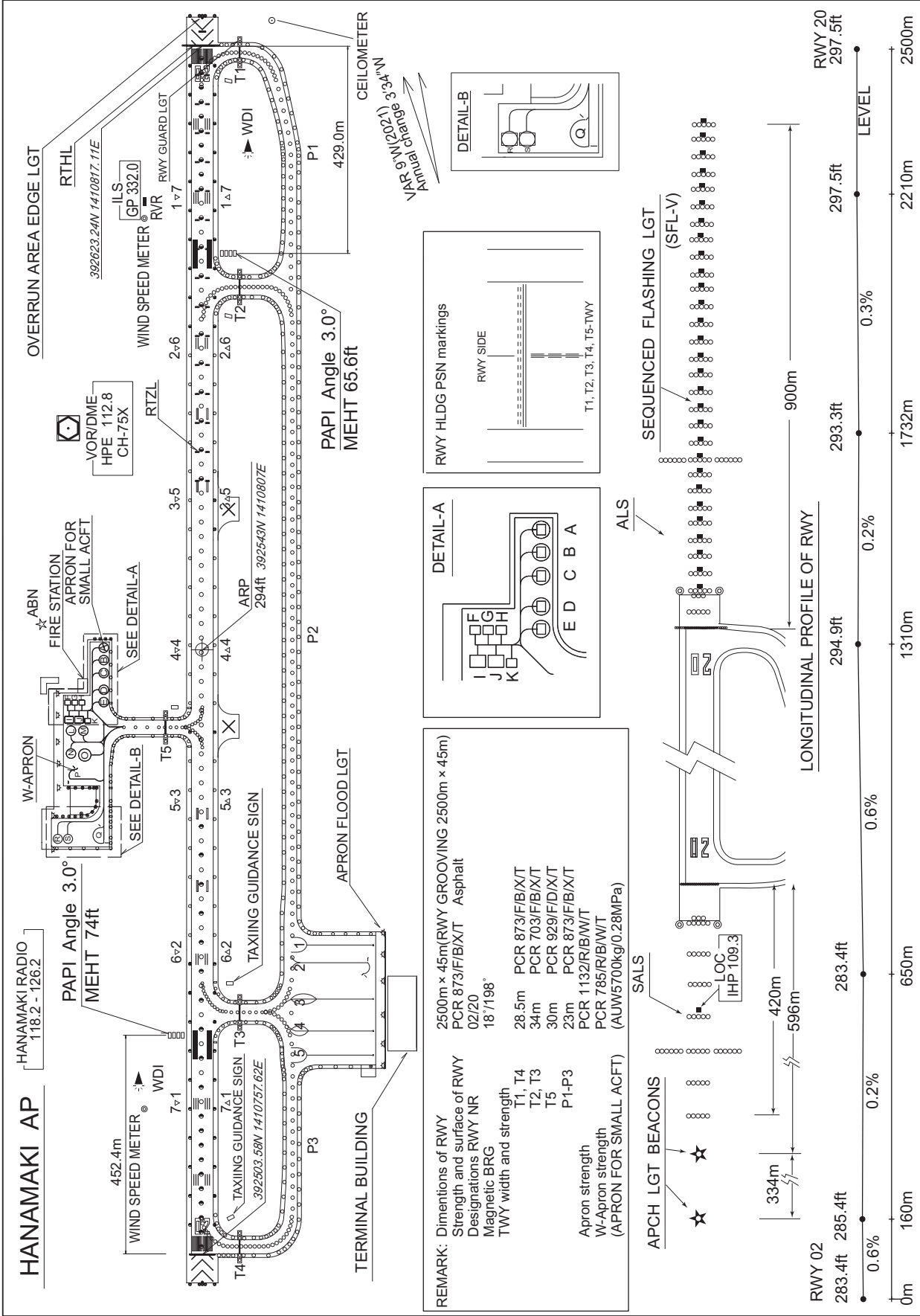


RJSI / HANAMAKI

AD CHART



RJSI / HANAMAKI

SID

RWY 02 : Climb RWY HDG to 900FT, turn left...
RWY 20 : Climb RWY HDG to 1300FT, turn left HDG 325°...
...to intercept and proceed via HPE R010 to OHSHU.



STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

SID

NIIGATA SIX DEPARTURE

RWY 02 : Climb RWY HDG to HPE 3.5 DME, turn right...

RWY 20 : Climb RWY HDG to HPE 3.5 DME, turn left...

...proceed to HPE VOR/DME, via HPE R236 to HPE 50.0DME(GTC 79.6DME),
via GTC R055 to GTC.Cross HPE VOR/DME at or above 2200 FT, cross HPE R236/50.0DME
(GTC R055/79.6DME) at or above 12000 FT.

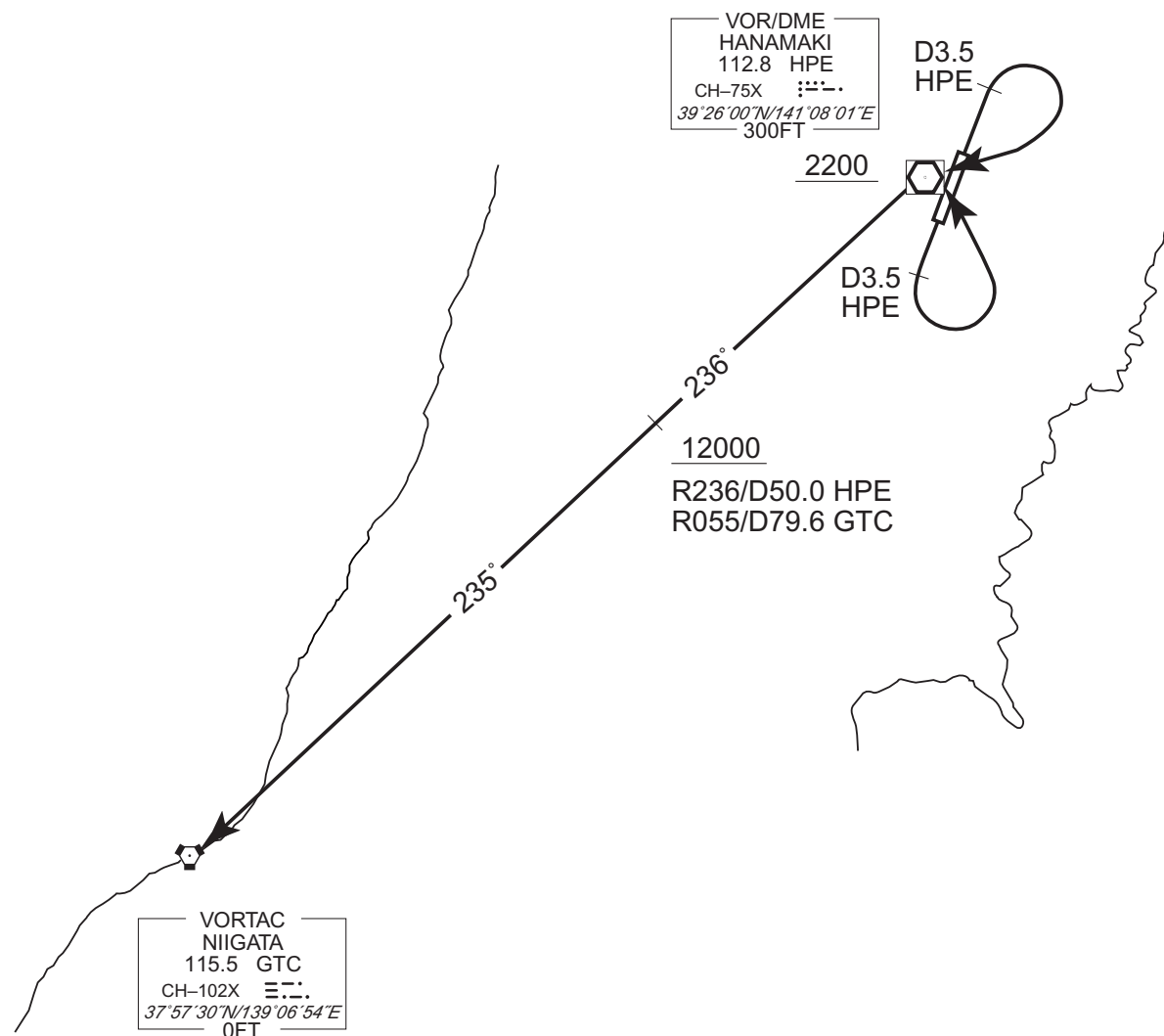
Note RWY02 : 4.5% climb gradient required up to 2400FT.

OBST ALT 1641FT located at 4.1NM 091° FM end of RWY02.

RWY20 : 3.9% climb gradient required up to 1100FT.

OBST ALT 722FT located at 2.8NM 166° FM end of RWY20.

CHANGE : SID renamed. ALT restriction at R236/D50.0 HPE, R055/D79.6 GTC.



STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

SID

HANAMAKI REVERSAL THREE DEPARTURE

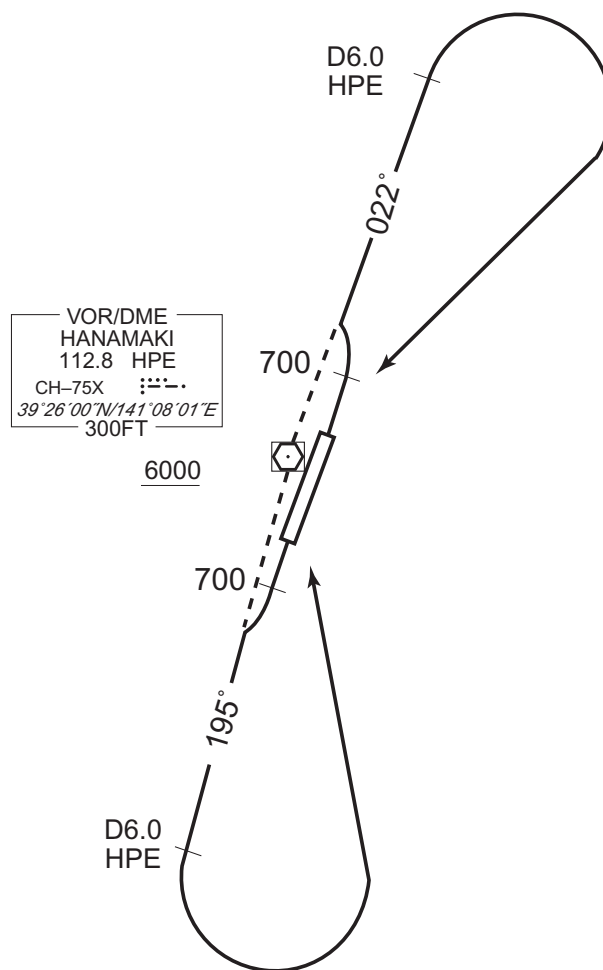
RWY 02 : Climb RWY HDG to 700FT, via HPE R022 to 6.0 DME, turn right...

RWY 20 : Climb RWY HDG to 700FT, via HPE R195 to 6.0 DME, turn left...
...direct to HPE VOR/DME.

Cross HPE VOR/DME at or above 6000FT.

Note RWY02 : 5.0% climb gradient required up to 3200FT.

OBST ALT 2691FT located at 9.1NM 058° FM end of RWY02.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

RNAV SID

SAMBO ONE DEPARTURE

RNP1

Note GNSS required.

VAR 9°W

RWY02 : Climb on HDG 019° at or above 700FT, direct to AKARI, to DASCO to SAMBO.

RWY20 : Climb on HDG 199° at or above 1300FT, turn right direct to SI010, to AKARI, to DASCO to SAMBO .

Note RWY02 : 4.0% climb gradient required up to 700FT.
OBST ALT 318FT located at 0.2NM 061° FM end of RWY02.

RWY20 : 4.0% climb gradient required up to 2700FT.
OBST ALT 3117FT located at 10.7NM 351° FM end of RWY20.

RWY02

| 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 | - | - | 019 (010.7) | -8.7 | - | - | +700 | - | - | RNP1 |
| 002 | DF | AKARI | - | - | -8.7 | - | - | - | - | - | RNP1 |
| 003 | TF | DASCO | - | 009 (000.8) | -8.7 | 7.9 | - | - | - | - | RNP1 |
| 004 | TF | SAMBO | - | 345 (336.6) | -8.7 | 21.9 | - | - | - | - | RNP1 |

RWY20

| 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 | - | - | 199 (190.7) | -8.7 | - | - | +1300 | - | - | RNP1 |
| 002 | DF | SI010 | - | - | -8.7 | - | R | - | - | - | RNP1 |
| 003 | TF | AKARI | - | 025 (016.7) | -8.7 | 17.0 | - | - | - | - | RNP1 |
| 004 | TF | DASCO | - | 009 (000.8) | -8.7 | 7.9 | - | - | - | - | RNP1 |
| 005 | TF | SAMBO | - | 345 (336.6) | -8.7 | 21.9 | - | - | - | - | RNP1 |

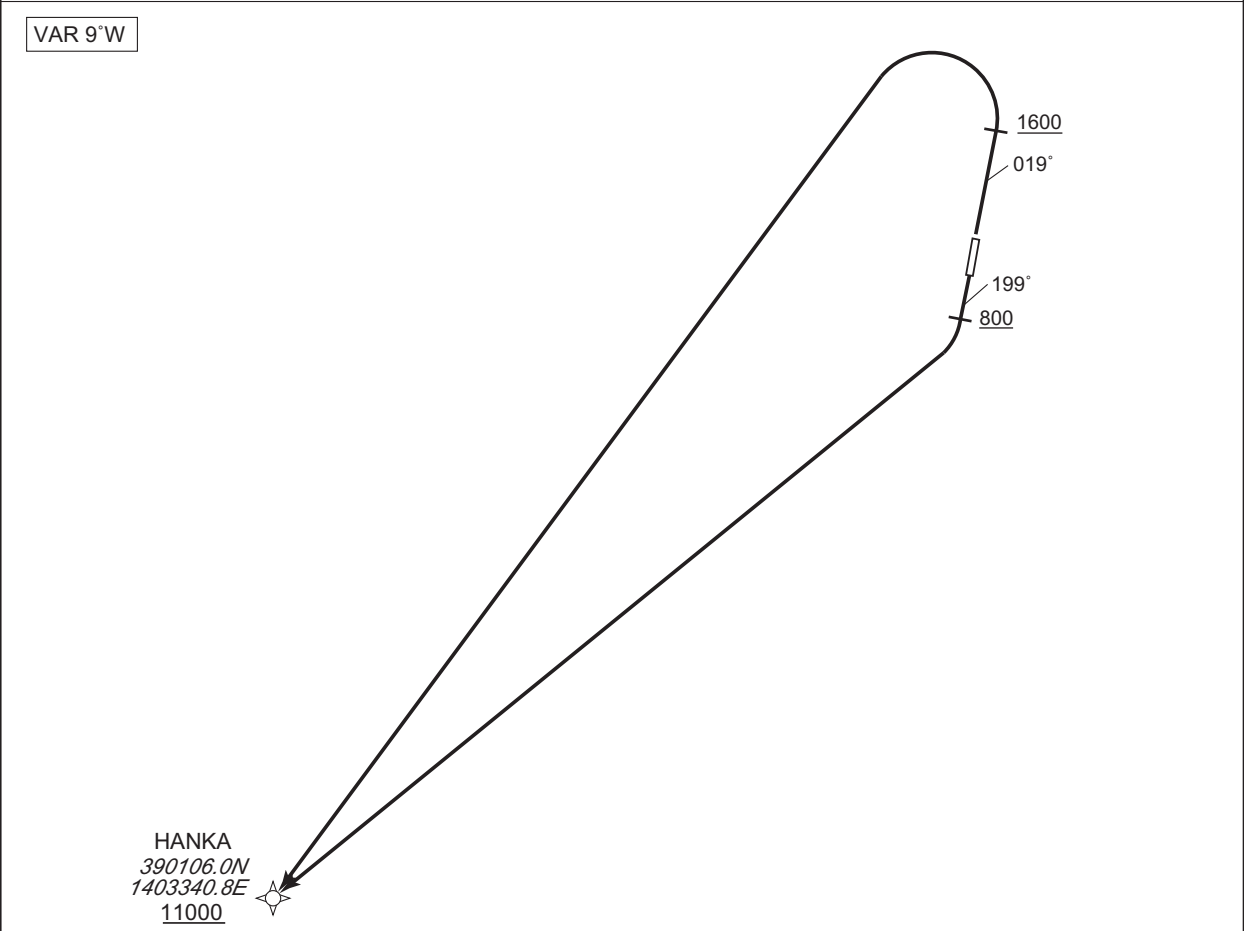
CHANGE : Description of VOR/DME.

STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKIRNAV SID

| HANKA ONE DEPARTURE | RNP1 |
|---------------------|------|
|---------------------|------|

Note GNSS required



RWY02 : Climb on HDG 019° at or above 1600FT, turn left direct to HANKA, at or above 11000FT.
RWY20 : Climb on HDG 199° at or above 800FT, turn right direct to HANKA, at or above 11000FT.
Note RWY02: 5.0% climb gradient required up to 3600FT.
OBST ALT 1936FT located at 5.5NM 340° FM end of RWY02.
OBST ALT 3018FT located at 8.2NM 310° FM end of RWY02.
RWY20: 5.0% climb gradient required up to 5400FT.
OBST ALT 4593FT located at 18.2NM 227° FM end of RWY20.
OBST ALT 5151FT located at 20.8NM 232° FM end of RWY20.

| RWY02 | | | | | | | | | | | |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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 | — | — | 019 (010.7) | -8.7 | — | — | +1600 | — | — | RNP1 |
| 002 | DF | HANKA | — | — | -8.7 | — | L | +11000 | — | — | RNP1 |

| RWY20 | | | | | | | | | | | |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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 | — | — | 199 (190.7) | -8.7 | — | — | +800 | — | — | RNP1 |
| 002 | DF | HANKA | — | — | -8.7 | — | R | +11000 | — | — | RNP1 |

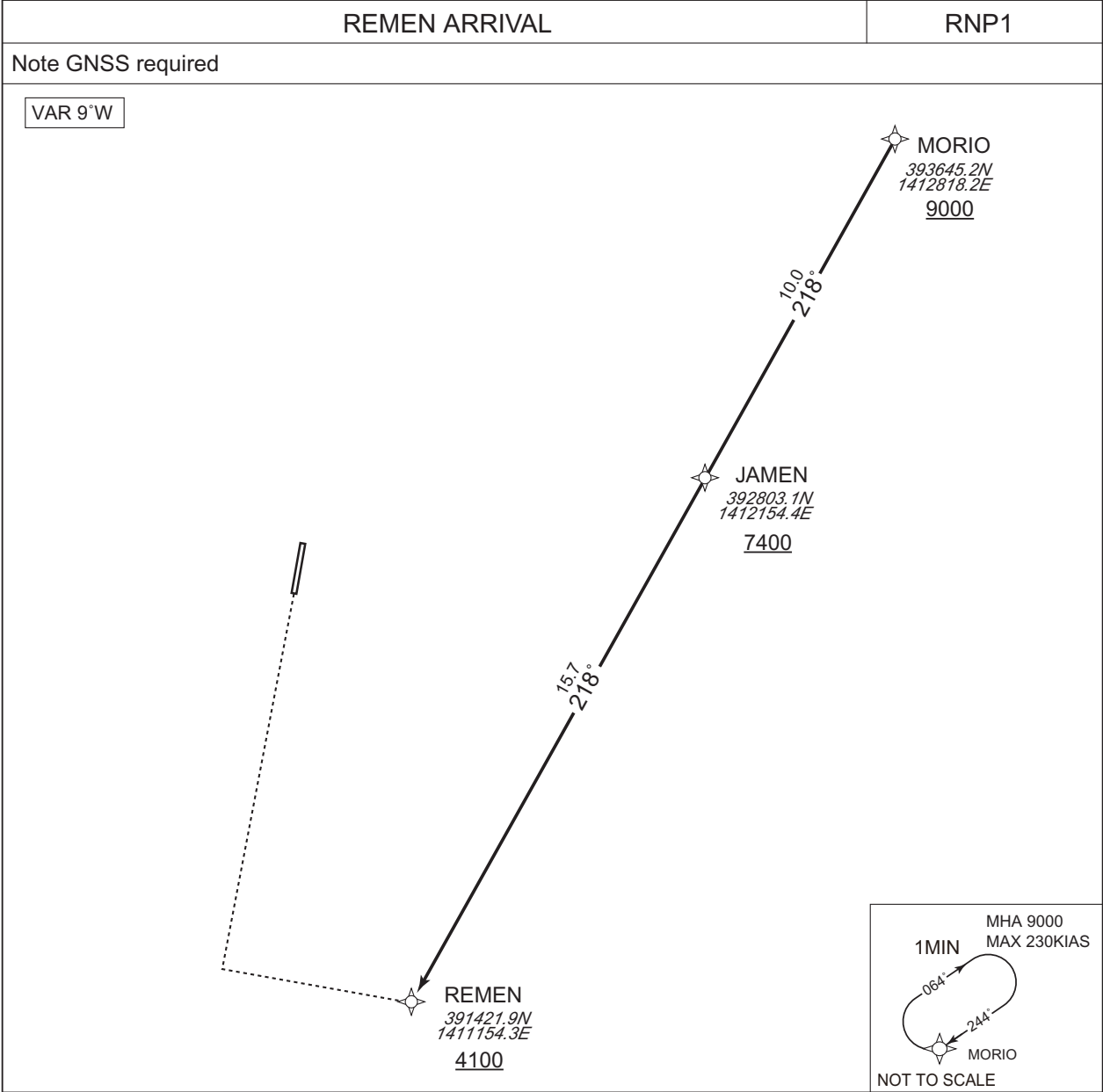
CHANGE : Description of VOR/DME.

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STANDARD ARRIVAL CHART - INSTRUMENT

RJSI / HANAMAKI

RNAV STAR RWY02



CHANGE : Description of VOR/DME.

From MORIO at or above 9000FT, to JAMEN at or above 7400FT, to REMEN at or above 4100FT.

| 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 | MORIO | — | — | -8.8 | — | — | +9000 | — | — | RNP1 |
| 002 | TF | JAMEN | — | 218 (209.6) | -8.8 | 10.0 | — | +7400 | — | — | RNP1 |
| 003 | TF | REMEN | — | 218 (209.5) | -8.8 | 15.7 | — | +4100 | — | — | 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 | MORIO | 244 (235.7) | -8.8 | 1.0(-14000) | R | 9000 | FL140 | -230(-14000) | RNP1 |

STANDARD ARRIVAL CHART - INSTRUMENT

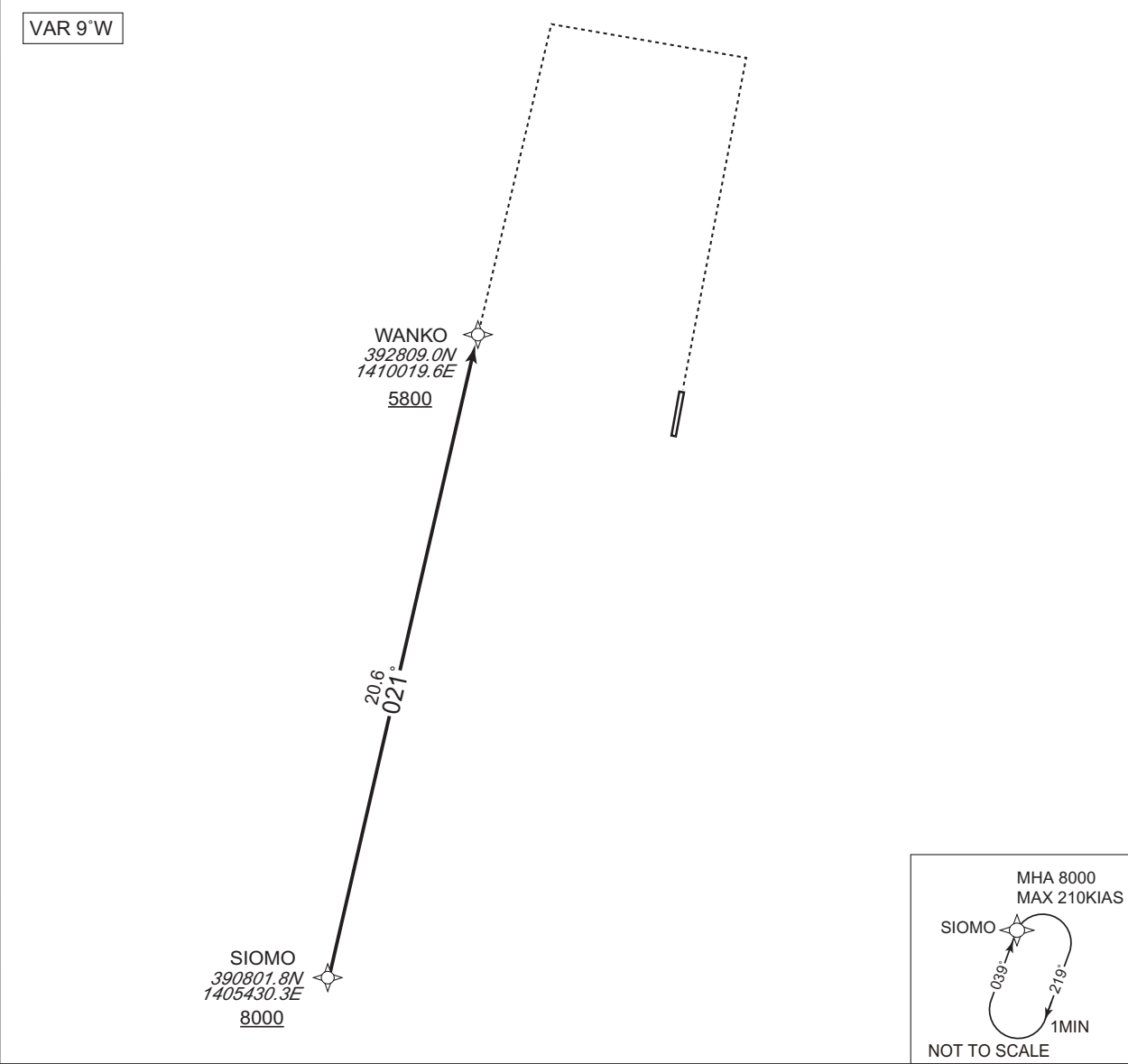
RJSI / HANAMAKI

RNAV STAR RWY20

WANKO ARRIVAL

RNP1

Note GNSS required



From SIOMO at or above 8000FT, to WANKO at or above 5800FT.

| 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 | SIOMO | — | — | -8.8 | — | — | +8000 | — | — | RNP1 |
| 002 | TF | WANKO | — | 021 (012.6) | -8.8 | 20.6 | — | +5800 | — | — | 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 | SIOMO | 039 (030.1) | -8.8 | 1.0(-14000) | R | 8000 | FL140 | -210(-14000) | RNP1 |

CHANGE : Description of VOR/DME.

STANDARD ARRIVAL CHART - INSTRUMENT

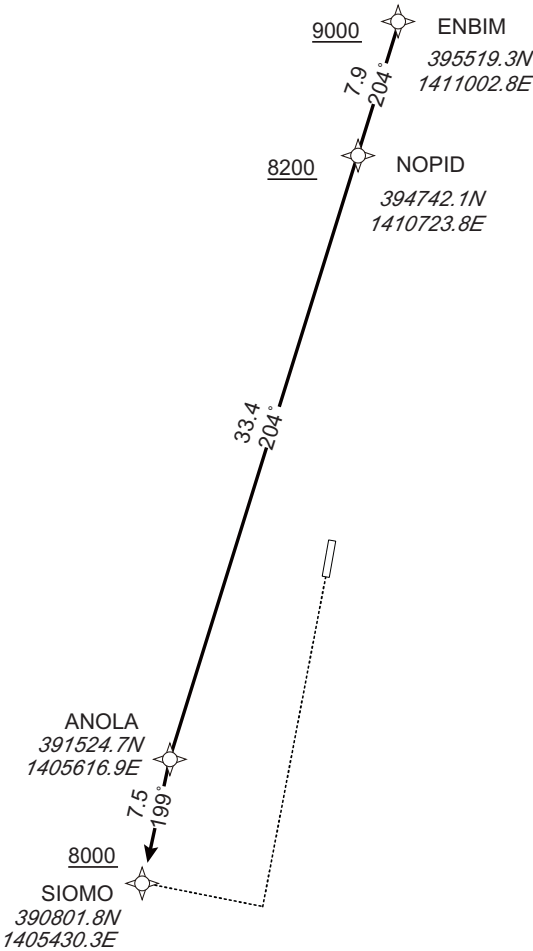
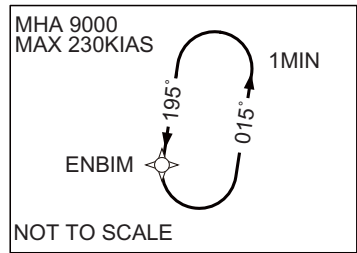
RJSI / HANAMAKI

RNAV STAR RWY02

| | |
|---------------|------|
| SIOMO ARRIVAL | RNP1 |
|---------------|------|

Note GNSS required.

VAR 9°W



From ENBIM at or above 9000FT, to NOPID at or above 8200FT, to ANOLA, to SIOMO at or above 8000FT.

CHANGE : Description of VOR/DME.

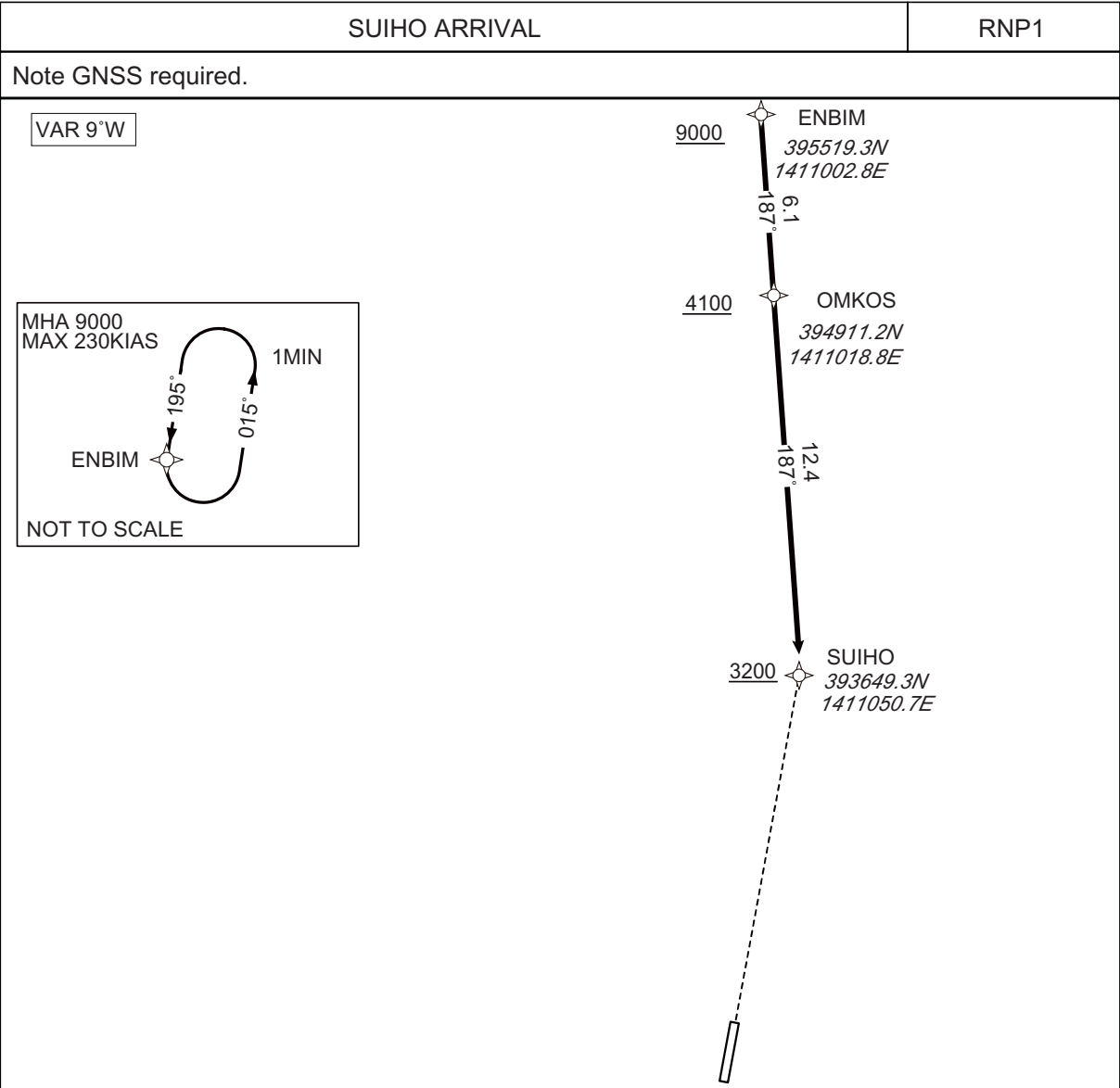
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | ENBIM | — | — | -8.8 | — | — | +9000 | — | — | RNP1 |
| 002 | TF | NOPID | — | 204 (195.0) | -8.8 | 7.9 | — | +8200 | — | — | RNP1 |
| 003 | TF | ANOLA | — | 204 (194.9) | -8.8 | 33.4 | — | — | — | — | RNP1 |
| 004 | TF | SIOMO | — | 199 (190.6) | -8.8 | 7.5 | — | +8000 | — | — | 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 | ENBIM | 195 (186.5) | -8.8 | 1.0(-14000) | L | 9000 | FL140 | -230 (-14000) | RNP1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJSI / HANAMAKI

RNAV STAR RWY20



From ENBIM at or above 9000FT, to OMKOS at or above 4100FT, to SUIHO at or above 3200FT.

| 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 | ENBIM | — | — | -8.8 | — | — | +9000 | — | — | RNP1 |
| 002 | TF | OMKOS | — | 187 (178.1) | -8.8 | 6.1 | — | +4100 | — | — | RNP1 |
| 003 | TF | SUIHO | — | 187 (178.1) | -8.8 | 12.4 | — | +3200 | — | — | RNP1 |

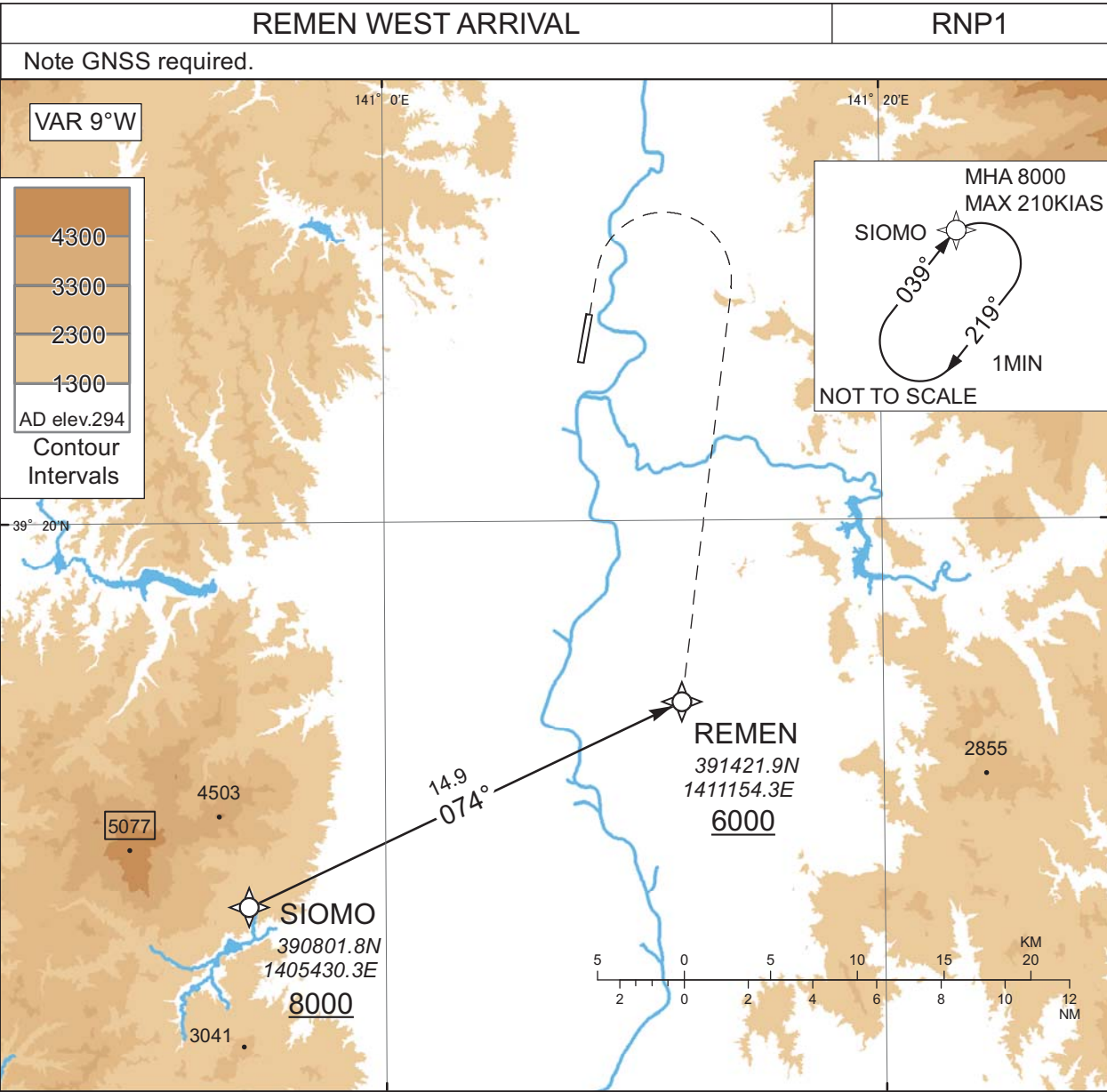
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|---------------|--------------------------|
| Hold | ENBIM | 195 (186.5) | -8.8 | 1.0(-14000) | L | 9000 | FL140 | -230 (-14000) | RNP1 |

CHANGE : Description of VOR/DME.

STANDARD ARRIVAL CHART - INSTRUMENT

RJSI / HANAMAKI

RNAV STAR RWY20



CHANGE : Description of VOR/DME:

From SIOMO at or above 8000FT, to REMEN at or above 6000FT.

| 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 | SIOMO | - | - | -8.8 | - | - | +8000 | - | - | RNP1 |
| 002 | TF | REMEN | - | 074 (064.7) | -8.8 | 14.9 | - | +6000 | - | - | 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 | SIOMO | 039 (030.1) | -8.8 | 1.0(-14000) | R | 8000 | FL140 | -210(-14000) | RNP1 |

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RJSI / HANAMAKI

ILS Z or LOC Z RWY20

VAR 9°W

Turn initiation within D13.0 HPE
MAX Turning speed 200KIAS

EQPT REQUIRED
DME
VOR

MSA 25NM

7800
270°
HPE
090°
6200
360°
7400

10NM

3086 3045 1854 917 2577 6290 2746

HIZME(FAF)
D5.6 IHP

460 726
442 A MAPt(LOC)
D0.7 IHP

3083 1674 446 A MHA 4000
MAX 230KIAS

441 A HANAMAKI CITY

006 186 700

VOR/DME
HANAMAKI
112.8 HPE
CH-75x
39°26'00"N/141°08'01"E

270°

090°

2812 2893 1176 360°

D8.0 HPE

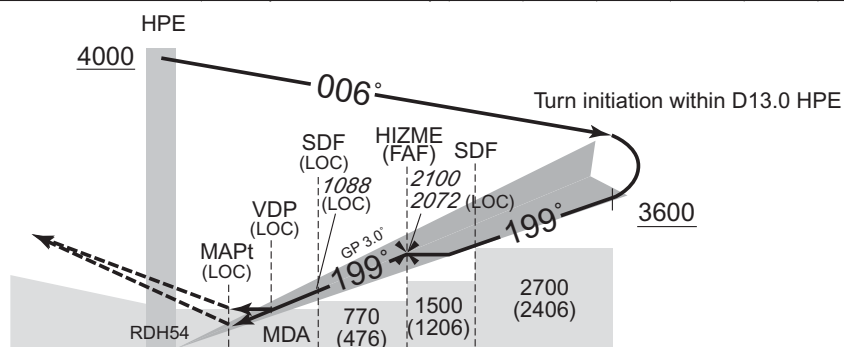
006° 199° 202°

HIZME(FAF) : 393142.42N/1410935.33E

| NM to IHP | MAPt | 2 | 3 | 4 | 5 | FAF |
|----------------------|------|-----|------|------|------|------|
| ALT (3.0° APCH Path) | — | 929 | 1247 | 1566 | 1884 | 2072 |

Climb via HPE R202 to
HPE 8.0DME, turn left,
direct to HPE VOR/DME
and hold at 4000FT.
Contact SHIRAKAMI APP.

Timing not authorized for
defining the MAPt.

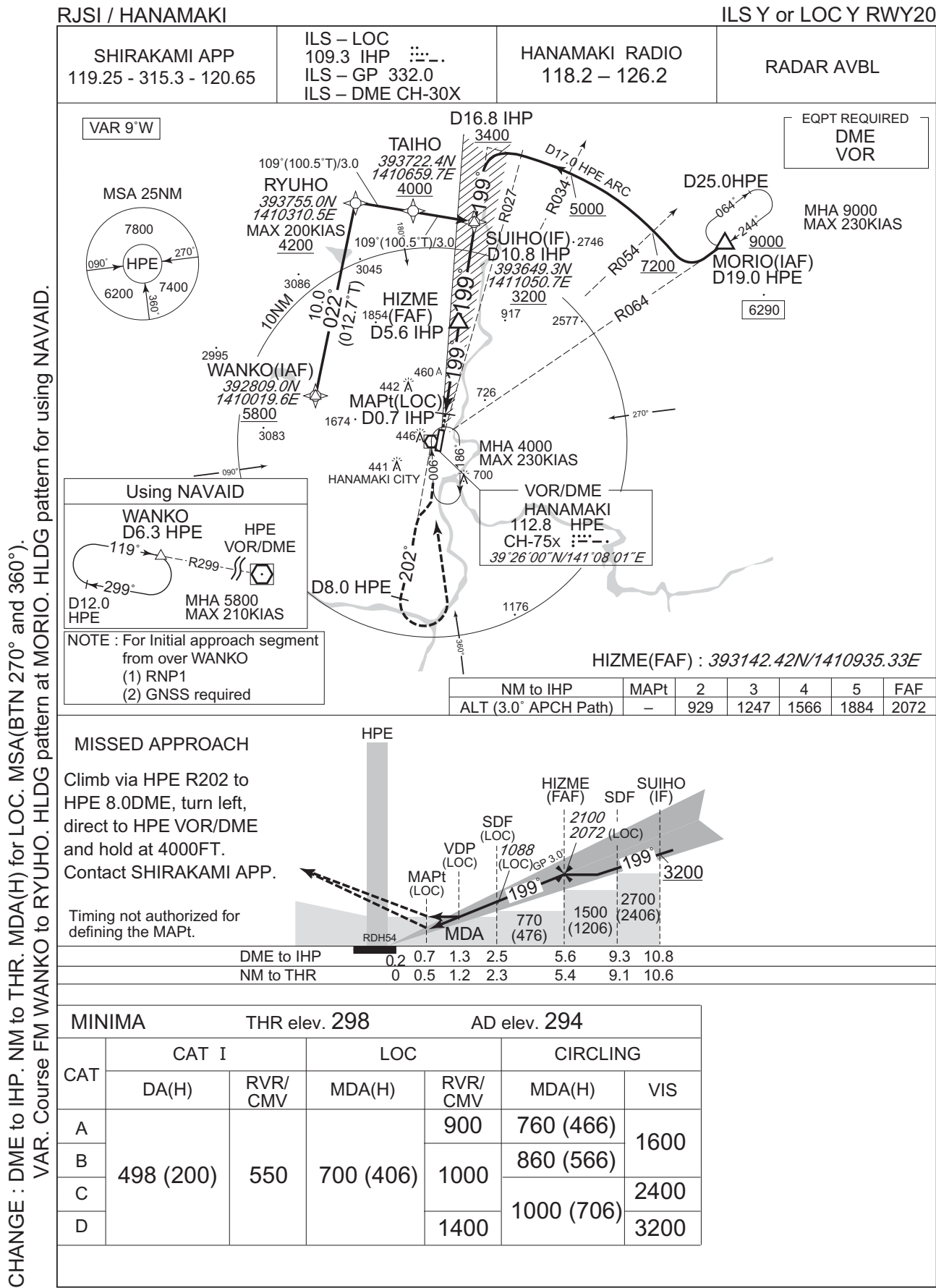


| | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|
| DME to IHP | 0.2 | 0.7 | 1.3 | 2.5 | 5.6 | 9.3 |
| NM to THR | 0 | 0.5 | 1.2 | 2.3 | 5.4 | 9.1 |

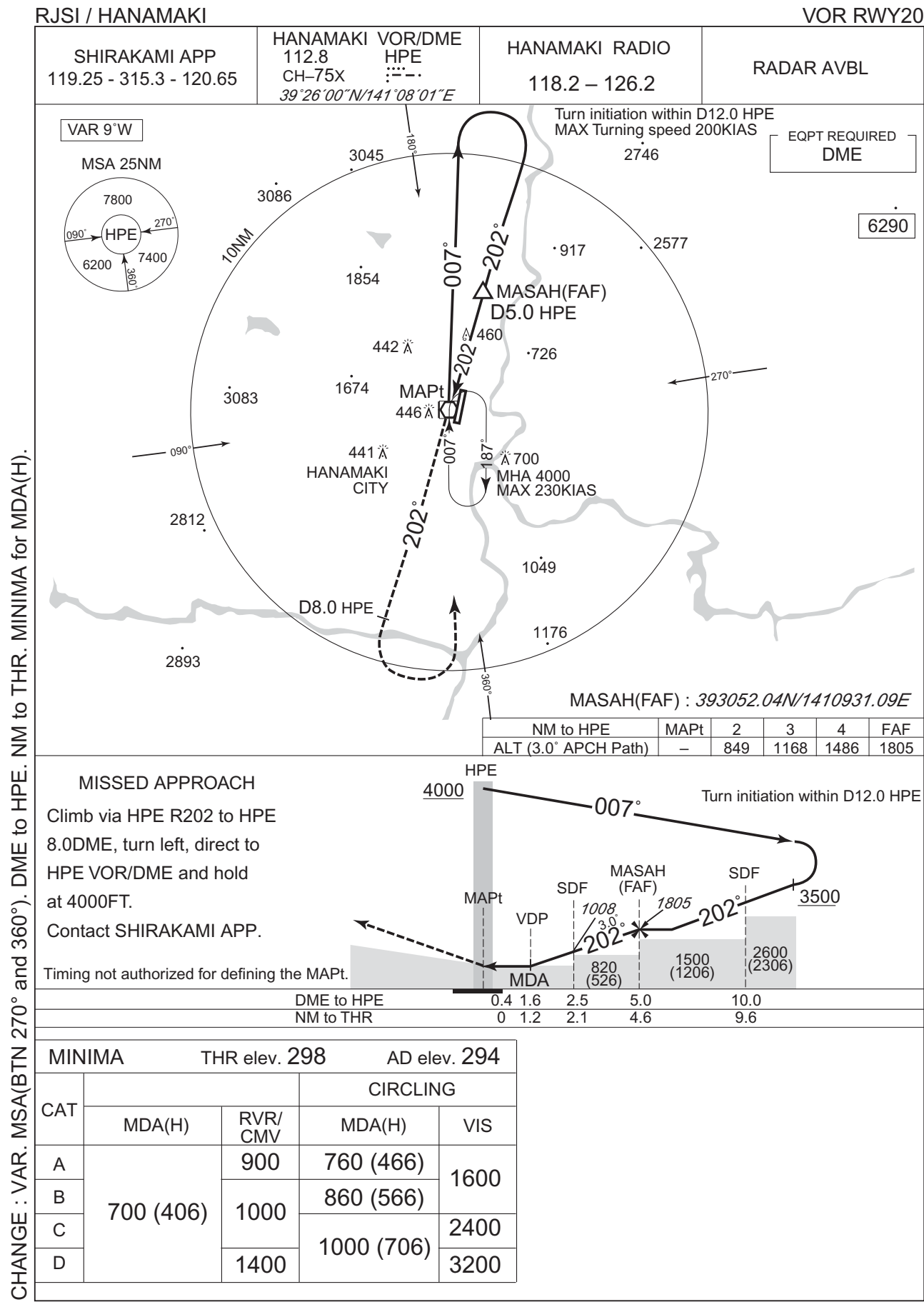
| MINIMA | | THR elev. 298 | | AD elev. 294 | | |
|--------|-----------|---------------|-----------|--------------|------------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 498 (200) | 550 | 700 (406) | 900 | 760 (466) | 1600 |
| B | | | | 1000 | 860 (566) | |
| C | | | | | 1000 (706) | 2400 |
| D | | | | | | 1400 |

CHANGE : VAR. MSA(BTN 270° and 360°). DME to IHP. NM to THR. MDA(H) for LOC.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



RJSI / HANAMAKI

SHIRAKAMI APP

119.25 - 315.3 - 120.65

HANAMAKI VOR/DME

112.8 HPE
CH-75X
39°26'00"N/141°08'01"E

HANAMAKI RADIO

118.2 – 126.2

RADAR AVBL

VAR 9°W

MSA 25NM

7800

270°

7400

090°

HPE

6200

090°

EQPT REQUIRED

DME

6290

Map details: 10NM circle centered on HPE. HPE at 7800ft. SHIHO (FAF) at 2893ft. MAPt at 446ft. DME distances: 5.9, 4.0, 3.0, 2.0, 0.9 NM to HPE. Altitudes: 1500 (1217), 800 (517), 4500 HPE. Bearings: 015°, 179°. Text: SHIHO(FAF) : 392005.53N/1410711.95E, Turn initiation within D11.0 HPE, MAX Turning speed 200KIAS.

| | | | | | | |
|----------------------|------|------|------|-----|-----|------|
| NM to HPE | FAF | 5 | 4 | 3 | 2 | MAPt |
| ALT (3.0° APCH Path) | 1925 | 1626 | 1308 | 989 | 671 | — |

Turn initiation within D11.0 HPE

Profile details: 2300ft start, 015° climb to 1500 (1217) at 5.9 NM, 015° to 800 (517) at 5.0 NM, 015° to 4500 HPE at 0.9 NM. MAPt at 446ft. SDF VDP at 1925ft. MDA at 800 (517).

MISSED APPROACH

Climb via HPE R015 to HPE
6.0DME, turn right, direct to HPE
VOR/DME and hold at 4500FT.
Contact SHIRAKAMI APP.

Timing not authorized for defining the MAPt.

| | | | | |
|-------------------------------------|-----------|---------------|--------------|------|
| Missed APCH climb gradient MNM 3.6% | | | | |
| MINIMA | | THR elev. 283 | AD elev. 294 | |
| CAT | | | CIRCLING | |
| | MDA(H) | CMV | MDA(H) | VIS |
| | 670 (387) | 1200 | 760 (466) | 1600 |
| | | 1300 | 860 (566) | |
| 1400 | | 1000 (706) | | |
| 1600 | 3200 | | | |

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

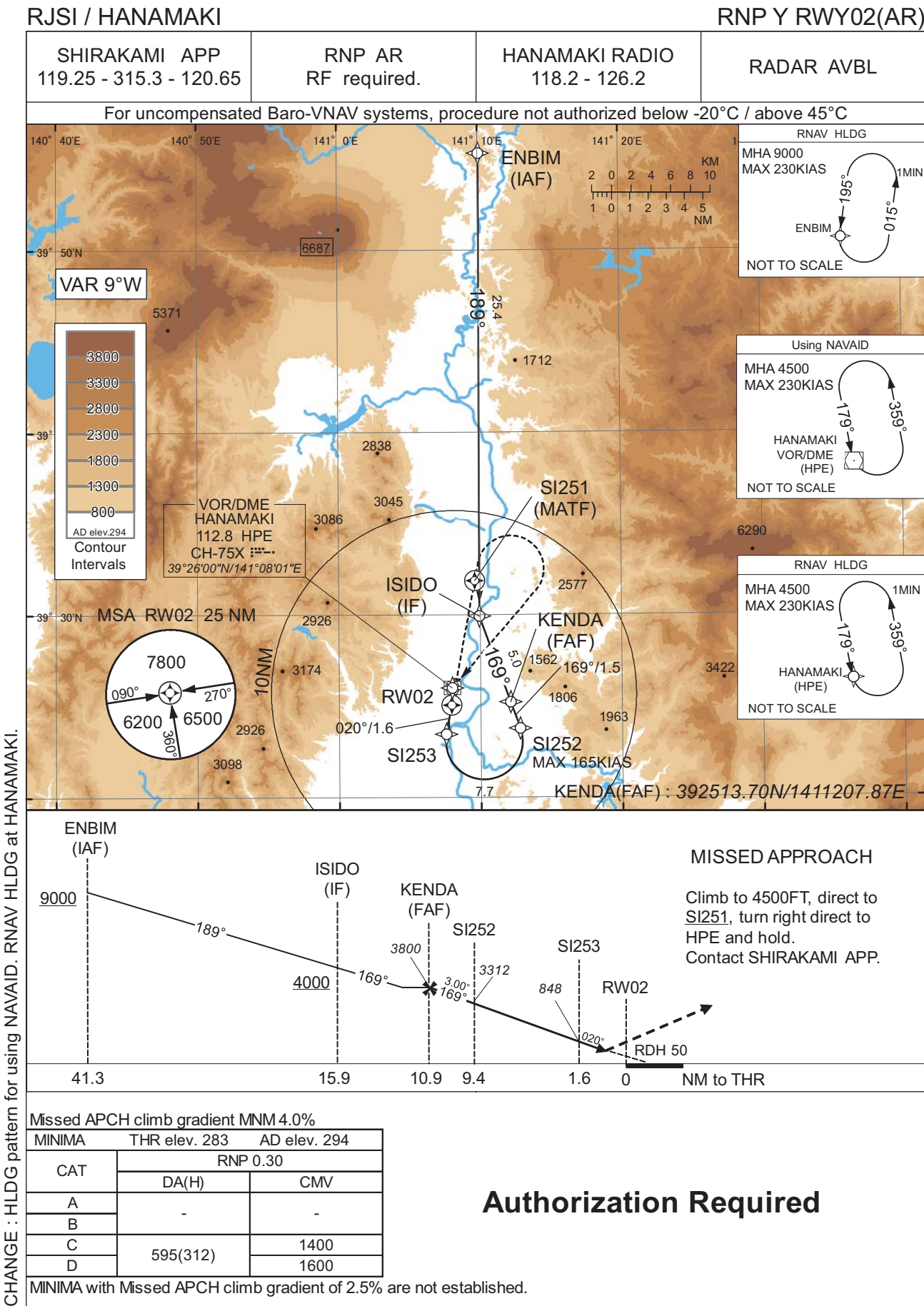
CHANGE : VAR. MSA(BTN 270° and 360°). PROC course. Missed APCH course. HLDG pattern. OCA(H). DME to HPE. MINIMA for MDA(H).

RJSI / HANAMAKI

RNP Z RWY02



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

RNP Y RWY02(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 | ENBIM | - | - | -8.8 | - | - | +9000 | - | - | - |
| 002 | TF | ISIDO | - | 189 (180.2) | -8.8 | 25.4 | - | +4000 | - | - | 1.0 |
| 003 | TF | KENDA | - | 169 (160.3) | -8.8 | 5.0 | - | 3800 | - | - | 1.0 |
| 004 | TF | SI252 | - | 169 (160.4) | -8.8 | 1.5 | - | 3312 | -165 | -3.00 | 0.3 |
| 005 | RF Center: SIRF1 r=2.10NM | SI253 | - | - | -8.8 | 7.7 | R | 848 | - | -3.00 | 0.3 |
| 006 | TF | RW02 | Y | 020 (010.7) | -8.8 | 1.6 | - | 333 | - | -3.00/50 | 0.3 |
| 007 | DF | SI251 | Y | - | -8.8 | - | - | - | - | - | 1.0 |
| 008 | DF | HPE | - | - | -8.8 | - | R | 4500 | - | - | 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 | ENBIM | 195 (186.5) | -8.8 | 1.0 (-14000) | L | 9000 | FL140 | -230 (-14000) | 1.0 |
| Hold | HPE | 179 (169.7) | -8.9 | 1.0 (-14000) | L | 4500 | FL140 | -230 (-14000) | 1.0 |

| Waypoint Coordinates | | | |
|----------------------|--------------------------|--------------------------|--------------------------|
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
| ENBIM | 395519.34N / 1411002.82E | SIRF1 | 392304.37N / 1411014.42E |
| ISIDO | 392956.45N / 1410957.05E | | |
| KENDA | 392513.70N / 1411207.87E | | |
| SI252 | 392347.07N / 1411247.89E | | |
| SI253 | 392327.97N / 1410734.24E | | |
| RW02 | 392503.58N / 1410757.62E | | |
| SI251 | 393152.68N / 1410937.82E | | |
| HPE | 392600.09N / 1410800.60E | | |

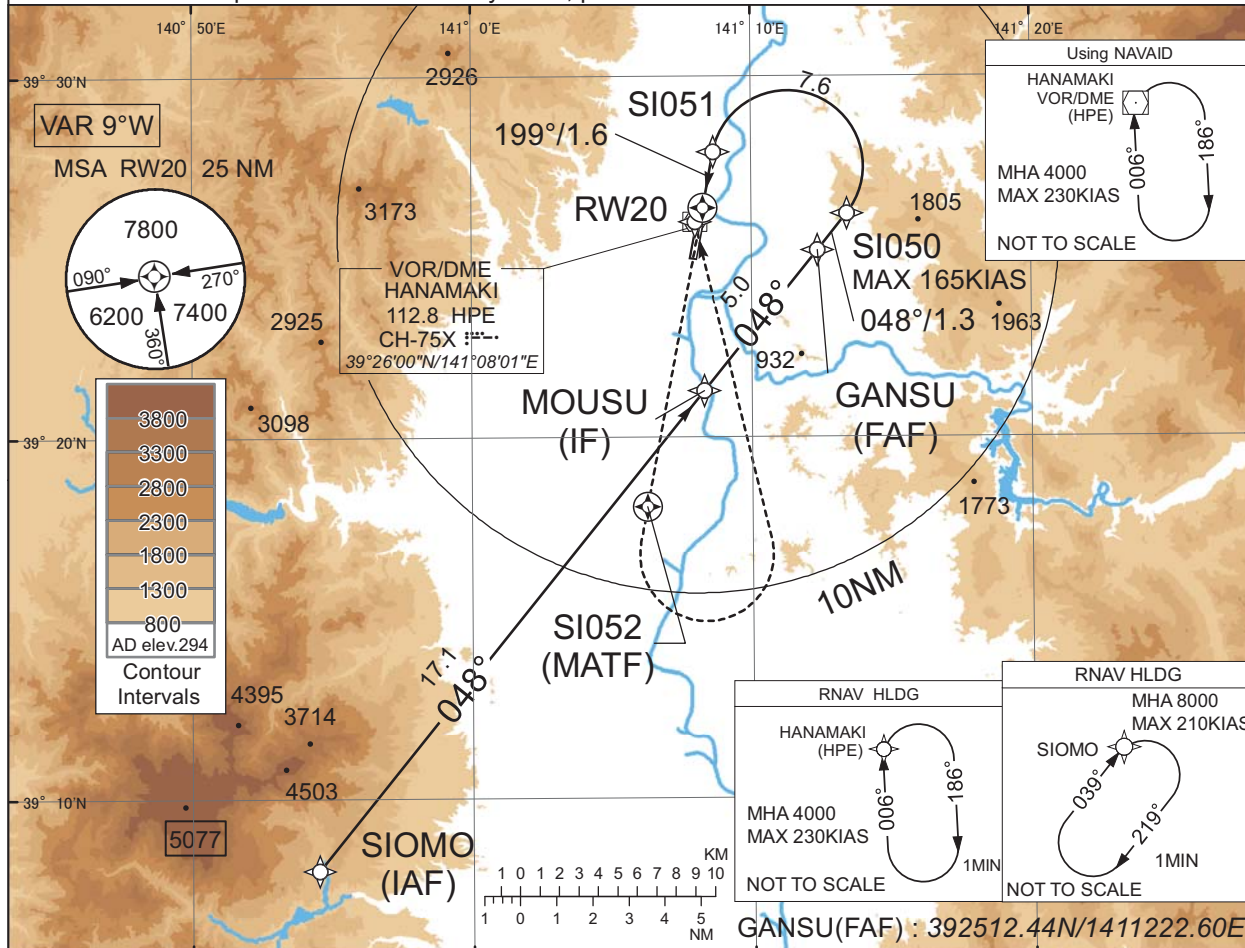
CHANGE : HLDG at HPE. VAR.

RJSI / HANAMAKI

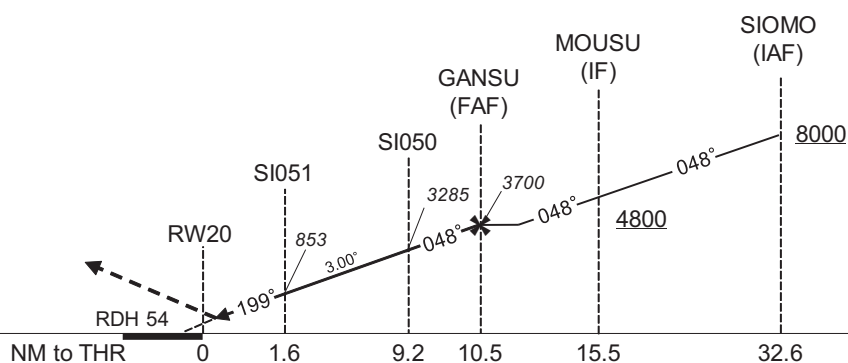
RNP Z RWY20(AR)

| | | | |
|--|------------------------|---------------------------------|------------|
| SHIRAKAMI APP 119.25 - 315.3 - 120.65 | RNP AR RF required. | HANAMAKI RADIO 118.2 - 126.2 | RADAR AVBL |
|--|------------------------|---------------------------------|------------|

For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C



Climb to 4000FT, direct to SI052, turn left direct to HPE and hold.
Contact SHIRAKAMI APP.



| | | |
|--------|---------------|--------------|
| MINIMA | THR elev. 298 | AD elev. 294 |
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | | |
| C | 607(309) | 1000 |
| D | | 1400 |

Authorization Required

INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

RNP Z RWY20(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 | SIOMO | - | - | -8.8 | - | - | +8000 | - | - | - |
| 002 | TF | MOUSU | - | 048 (038.8) | -8.8 | 17.1 | - | +4800 | - | - | 1.0 |
| 003 | TF | GANSU | - | 048 (038.9) | -8.8 | 5.0 | - | 3700 | - | - | 1.0 |
| 004 | TF | SI050 | - | 048 (038.9) | -8.8 | 1.3 | - | 3285 | -165 | -3.00 | 0.3 |
| 005 | RF Center: SIRF2 r=2.10NM | SI051 | - | - | -8.8 | 7.6 | L | 853 | - | -3.00 | 0.3 |
| 006 | TF | RW20 | Y | 199 (190.7) | -8.8 | 1.6 | - | 352 | - | -3.00/54 | 0.3 |
| 007 | DF | SI052 | Y | - | -8.8 | - | - | - | - | - | 1.0 |
| 008 | DF | HPE | - | - | -8.8 | - | L | 4000 | - | - | 1.0 |

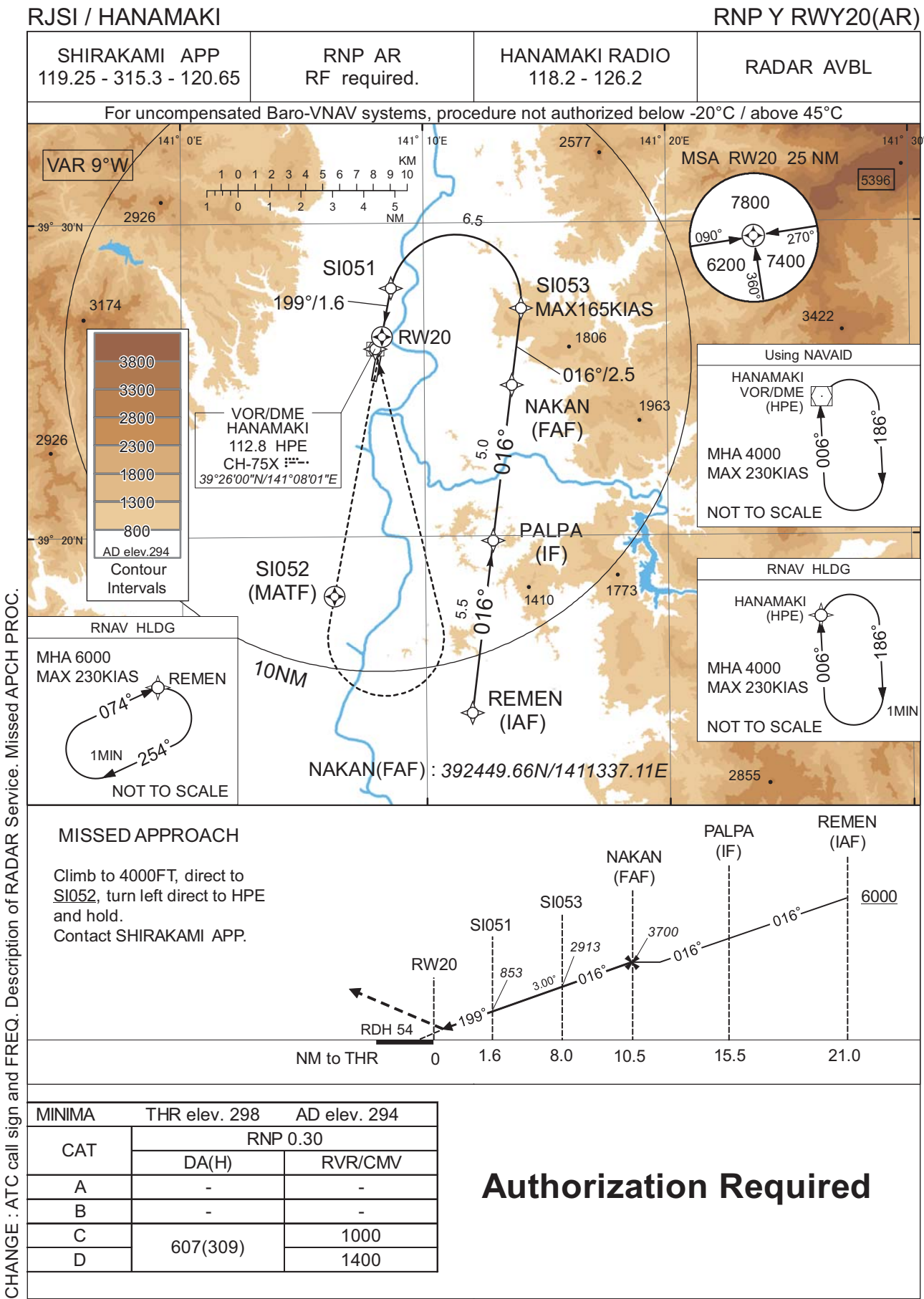
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|---------------|-----------|
| Hold | SIOMO | 039 (030.1) | -8.8 | 1.0 (-14000) | R | 8000 | FL140 | -210 (-14000) | 1.0 |
| Hold | HPE | 006 (357.5) | -8.8 | 1.0 (-14000) | R | 4000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| SIOMO | 390801.78N / 1405430.28E | SIRF2 | 392732.73N / 1411119.82E |
| MOUSU | 392119.11N / 1410818.81E | | |
| GANSU | 392512.44N / 1411222.60E | | |
| SI050 | 392613.23N / 1411326.21E | | |
| SI051 | 392756.30N / 1410839.89E | | |
| RW20 | 392623.24N / 1410817.11E | | |
| SI052 | 391806.42N / 1410615.76E | | |
| HPE | 392600.09N / 1410800.60E | | |

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

RNP Y RWY20(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 | REMEN | - | - | -8.8 | - | - | +6000 | - | - | - |
| 002 | TF | PALPA | - | 016 (007.2) | -8.8 | 5.5 | - | - | - | - | 1.0 |
| 003 | TF | NAKAN | - | 016 (007.2) | -8.8 | 5.0 | - | 3700 | - | - | 1.0 |
| 004 | TF | SI053 | - | 016 (007.2) | -8.8 | 2.5 | - | 2913 | -165 | -3.00 | 0.3 |
| 005 | RF Center: SIRF2 r=2.10NM | SI051 | - | - | -8.8 | 6.5 | L | 853 | - | -3.00 | 0.3 |
| 006 | TF | RW20 | Y | 199 (190.7) | -8.8 | 1.6 | - | 352 | - | -3.00/54 | 0.3 |
| 007 | DF | SI052 | Y | - | -8.8 | - | - | - | - | - | 1.0 |
| 008 | DF | HPE | - | - | -8.8 | - | L | 4000 | - | - | 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 | REMEN | 074 (065.0) | -8.8 | 1.0 (-14000) | R | 6000 | FL140 | -230 (-14000) | 1.0 |
| Hold | HPE | 006 (357.5) | -8.8 | 1.0 (-14000) | R | 4000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| REMEN | 391421.92N / 1411154.27E | SIRF2 | 392732.73N / 1411119.82E |
| PALPA | 391951.68N / 1411248.23E | | |
| NAKAN | 392449.66N / 1411337.11E | | |
| SI053 | 392716.81N / 1411401.29E | | |
| SI051 | 392756.30N / 1410839.89E | | |
| RW20 | 392623.24N / 1410817.11E | | |
| SI052 | 391806.42N / 1410615.76E | | |
| HPE | 392600.09N / 1410800.60E | | |

CHANGE : PROC renamed.

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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).

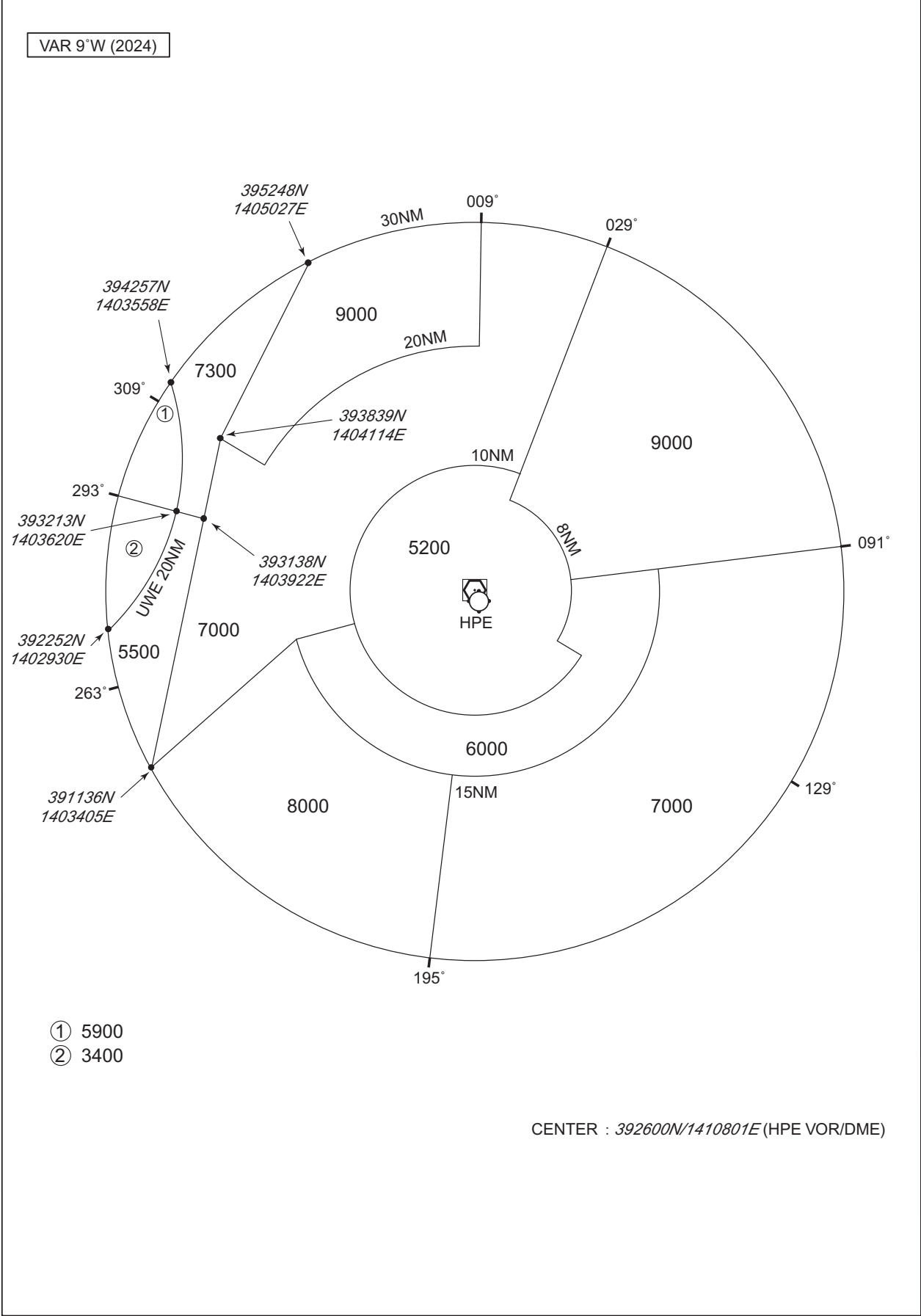
CHANGE : Map updated. BRG/DIST from ARP. Taseko established. Tsuchisawa abolished.

| Call sign | BRG / DIST from ARP | Remarks |
|-----------------|---------------------|----------------------------|
| 盛岡 Morioka | 360°T / 16.4NM | JR駅 JR Station |
| 城山 Shiroyama | 012°T / 8.4NM | 城跡 The site of a castle |
| 豊沢 Toyosawa | 293°T / 8.1NM | 豊沢ダム Dam |
| 田瀬湖 Taseko | 121°T / 10.0NM | 田瀬ダム Dam |
| 北上 Kitakami | 184°T / 8.9NM | JR駅 JR Station |
| 水沢 Mizusawa | 178°T / 17.4NM | JR駅 JR Station |



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Minimum Vectoring Altitude CHART



CHANGE : Update.