

STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

➡ SID

OHSU ONE DEPARTURE

RWY 02 : Climb RWY HDG to 900FT, turn left...

RWY 20 : Climb RWY HDG to 1300FT, turn left HDG 324° ...  
...to intercept and proceed via HPE R009 to OHSU.

OHSU ONE DEPARTURE



## STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

SID

NIIGATA FOUR 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 GTC VORTAC.

Cross HPE VOR/DME at or above 2200 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.



STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

SID

HANAMAKI REVERSAL TWO 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 R194 to 6.0 DME, turn left...

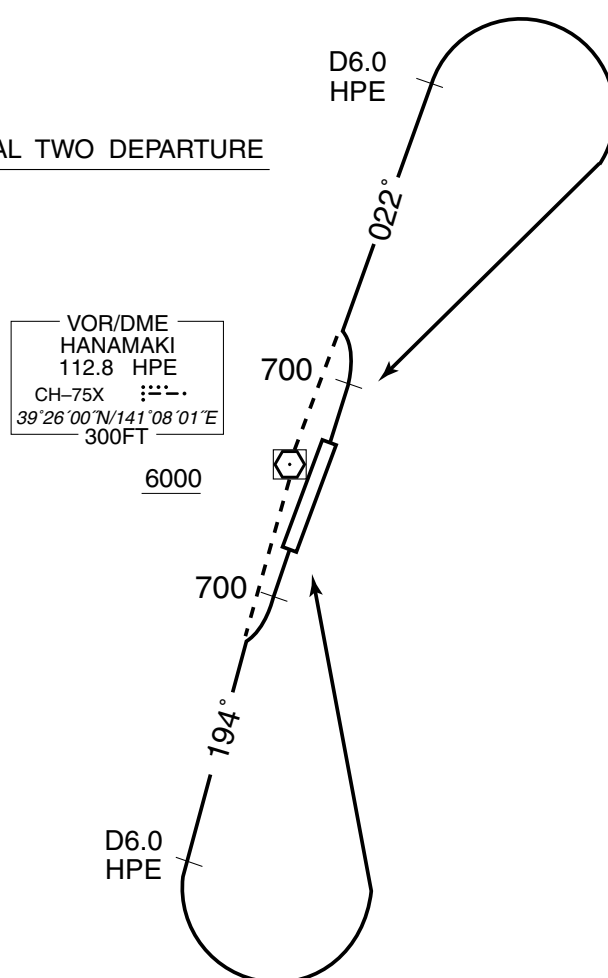
...proceed to HPE VOR/DME.

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.

HANAMAKI REVERSAL TWO DEPARTURE



## STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

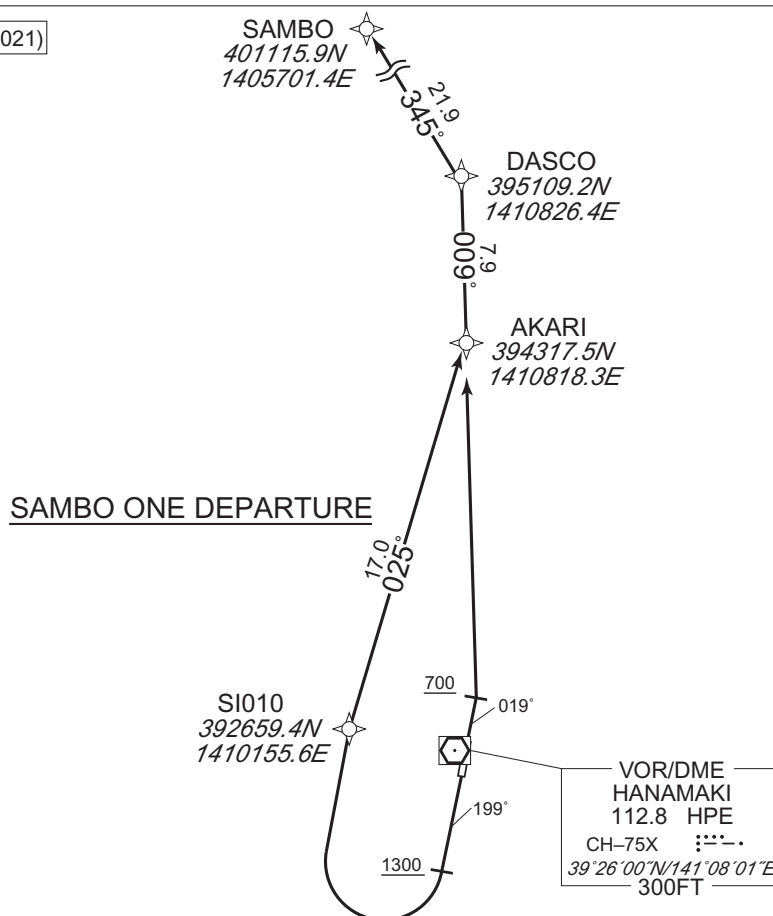
RNAV SID

## SAMBO ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W (2021)



## SAMBO ONE DEPARTURE

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<br>(010.7) | -8.7               | -             | -              | +700          | -            | -              | Basic RNP1               |
| 002           | DF              | AKARI               | -        | -              | -8.7               | -             | -              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | DASCO               | -        | 009<br>(000.8) | -8.7               | 7.9           | -              | -             | -            | -              | Basic RNP1               |
| 004           | TF              | SAMBO               | -        | 345<br>(336.6) | -8.7               | 21.9          | -              | -             | -            | -              | Basic 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<br>(190.7) | -8.7               | -             | -              | +1300         | -            | -              | Basic RNP1               |
| 002           | DF              | SI010               | -        | -              | -8.7               | -             | R              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | AKARI               | -        | 025<br>(016.7) | -8.7               | 17.0          | -              | -             | -            | -              | Basic RNP1               |
| 004           | TF              | DASCO               | -        | 009<br>(000.8) | -8.7               | 7.9           | -              | -             | -            | -              | Basic RNP1               |
| 005           | TF              | SAMBO               | -        | 345<br>(336.6) | -8.7               | 21.9          | -              | -             | -            | -              | Basic RNP1               |

CHANGE : VAR. Note RWY20 (OBST).

STANDARD DEPARTURE CHART -INSTRUMENT

RJSI / HANAMAKI

RNAV SID

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

Note GNSS required

VAR 9°W (2021)



HANKA ONE DEPARTURE

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

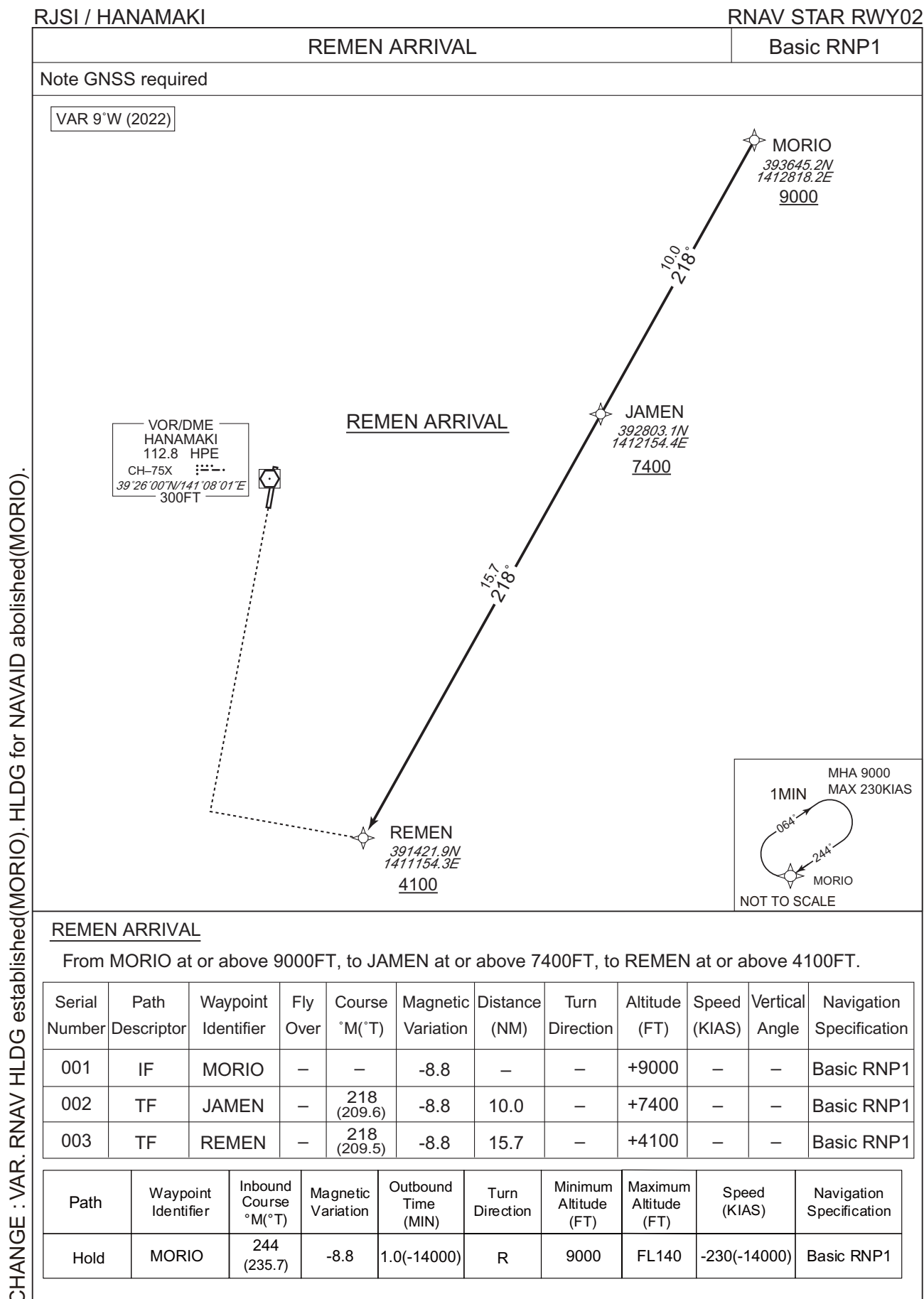
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 019 (010.7)   | -8.7               | —             | —              | +1600         | —            | —              | Basic RNP1               |
| 002           | DF              | HANKA               | —        | —             | -8.7               | —             | L              | +11000        | —            | —              | Basic 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          | —            | —              | Basic RNP1               |
| 002           | DF              | HANKA               | —        | —             | -8.7               | —             | R              | +11000        | —            | —              | Basic RNP1               |

CHANGE : VAR. Note RWY20 (OBST).

STANDARD ARRIVAL CHART - INSTRUMENT



## STANDARD ARRIVAL CHART - INSTRUMENT

RJSI / HANAMAKI

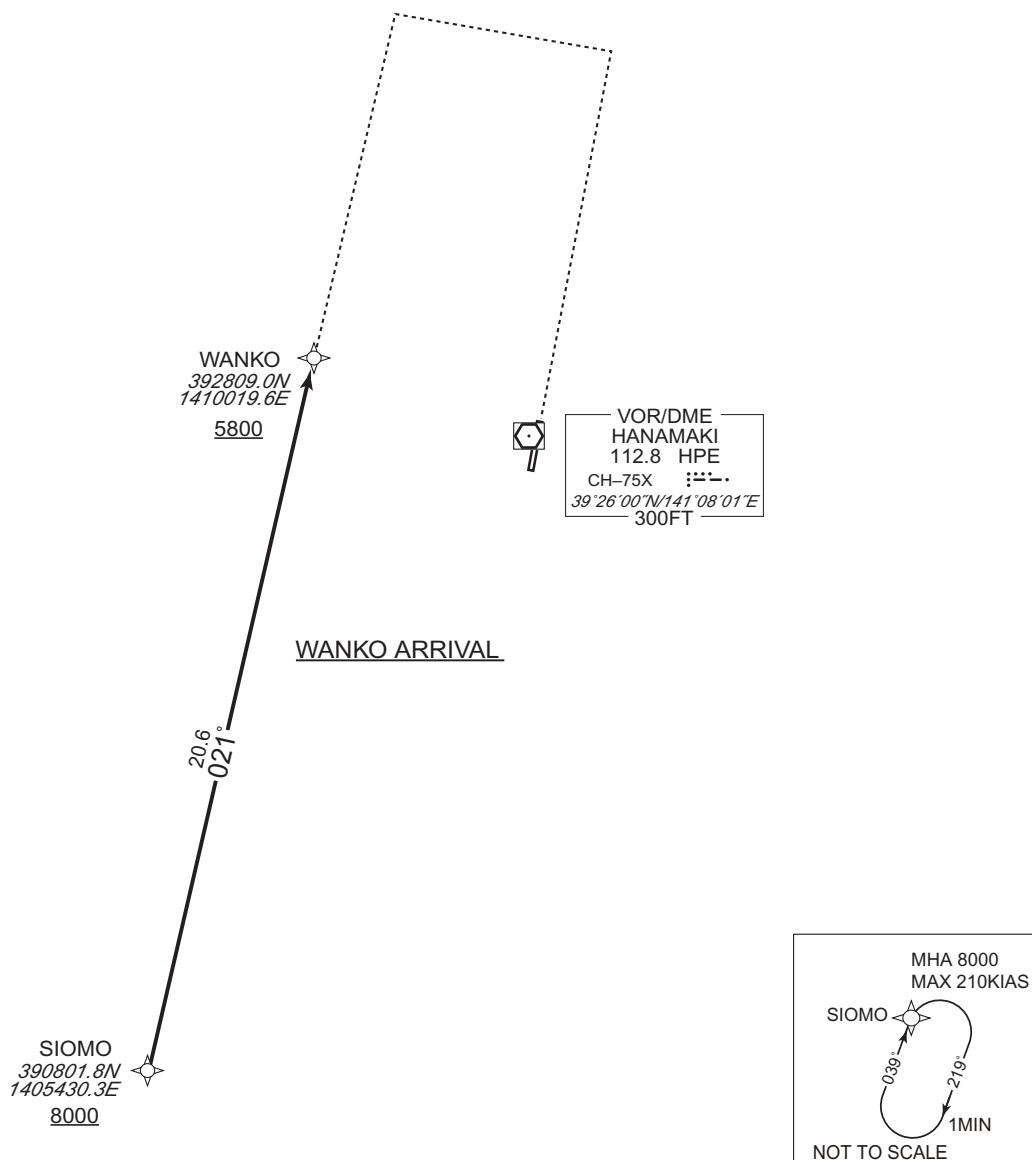
RNAV STAR RWY20

## WANKO ARRIVAL

Basic RNP1

Note GNSS required

VAR 9°W (2022)



## WANKO ARRIVAL

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

CHANGE : VAR. RNAV HLDG established(SIOMO). HLDG for NAVAID abolished(SIOMO).



## STANDARD ARRIVAL CHART - INSTRUMENT

CHANGE : VAR. Course FM ESBEL to SIOMO. HLDG pattern(RNAV) abolished. HLDG pattern(Using NAVAID) abolished. HLDG pattern(RNAV) established.  
Coding table(Hold) added.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJSI / HANAMAKI

RNAV STAR RWY20

## SUIHO ARRIVAL

Basic RNP1

Note GNSS required.

VAR 9°W (2021)



## SUIHO ARRIVAL

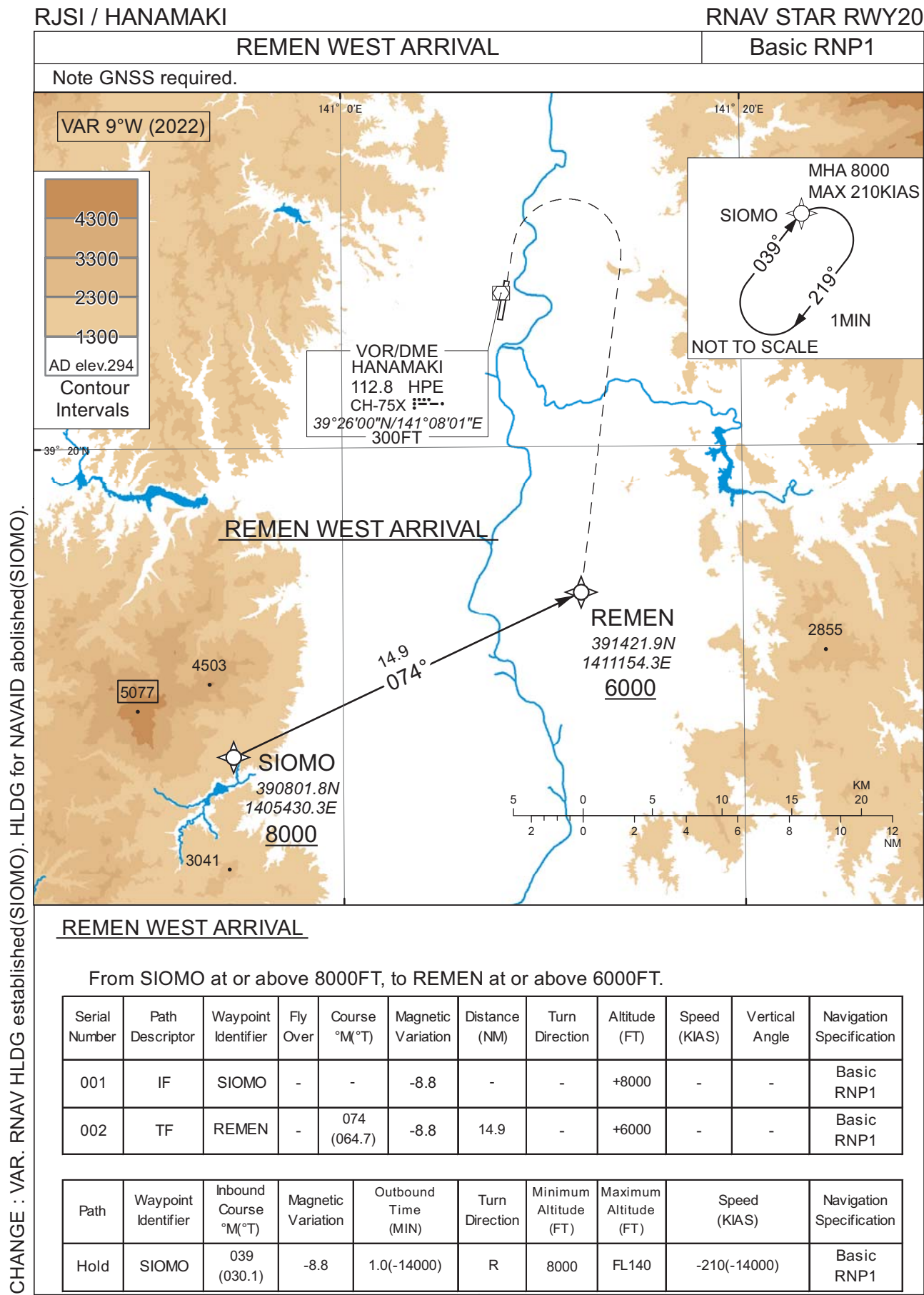
From ESBEL at or above 9000FT, to MAMEB at or above 8200FT, to NONBE at or above 6600FT, to SUIHO at or above 3200FT.

| 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              | ESBEL               | —        | —             | -8.7               | —             | —              | +9000         | —            | —              | Basic RNP1               |
| 002           | TF              | MAMEB               | —        | 159 (150.7)   | -8.7               | 4.6           | —              | +8200         | —            | —              | Basic RNP1               |
| 003           | TF              | NONBE               | —        | 159 (150.8)   | -8.7               | 3.4           | —              | +6600         | —            | —              | Basic RNP1               |
| 004           | TF              | SUIHO               | —        | 160 (150.8)   | -8.7               | 10.0          | —              | +3200         | —            | —              | 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 | ESBEL               | 174 (165.3)           | -8.7               | 1.0(-14000)         | R              | 9000                  | FL140                 | -230 (-14000) | Basic RNP1               |

CHANGE : VAR. Course FM NONBE to SUIHO. HLDG pattern(Using NAVAID) abolished. HLDG pattern(RNAV) established. Coding table(Hold) added.

STANDARD ARRIVAL CHART - INSTRUMENT



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INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

ILS Z or LOC Z RWY20



## INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

ILS Y or LOC Y RWY20



CHANGE : FIX symbol (HLDG)

INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

VOR RWY20



## RJSI / HANAMAKI

SAPPORO CONTROL  
124.5 – 303.8  
120.575 – 277.1

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

HANAMAKI RADIO  
118.2 – 126.2

NO RADAR

VAR 8°W (2012)

MSA 25NM

EQPT REQUIRED  
DME

6280

SHIHO(FAF) : 392005.53N/1410711.95E

|                      |      |      |      |     |     |      |
|----------------------|------|------|------|-----|-----|------|
| 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

4500 HPE

SHIHO (FAF)

SDF VDP

MAPt

MDA

MISSED APPROACH

Climb via HPE R014 to HPE  
6.0DME, turn right, proceed to HPE  
VOR/DME and hold at 4500FT.  
Contact HANAMAKI RADIO.

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  |
| A                                   | 640 (357) | 1200          | 760 (466)    | 1600 |
| B                                   |           | 1300          | 860 (566)    |      |
| C                                   |           | 1400          | 1000 (706)   |      |
| D                                   | 650 (367) | 1600          |              | 3200 |

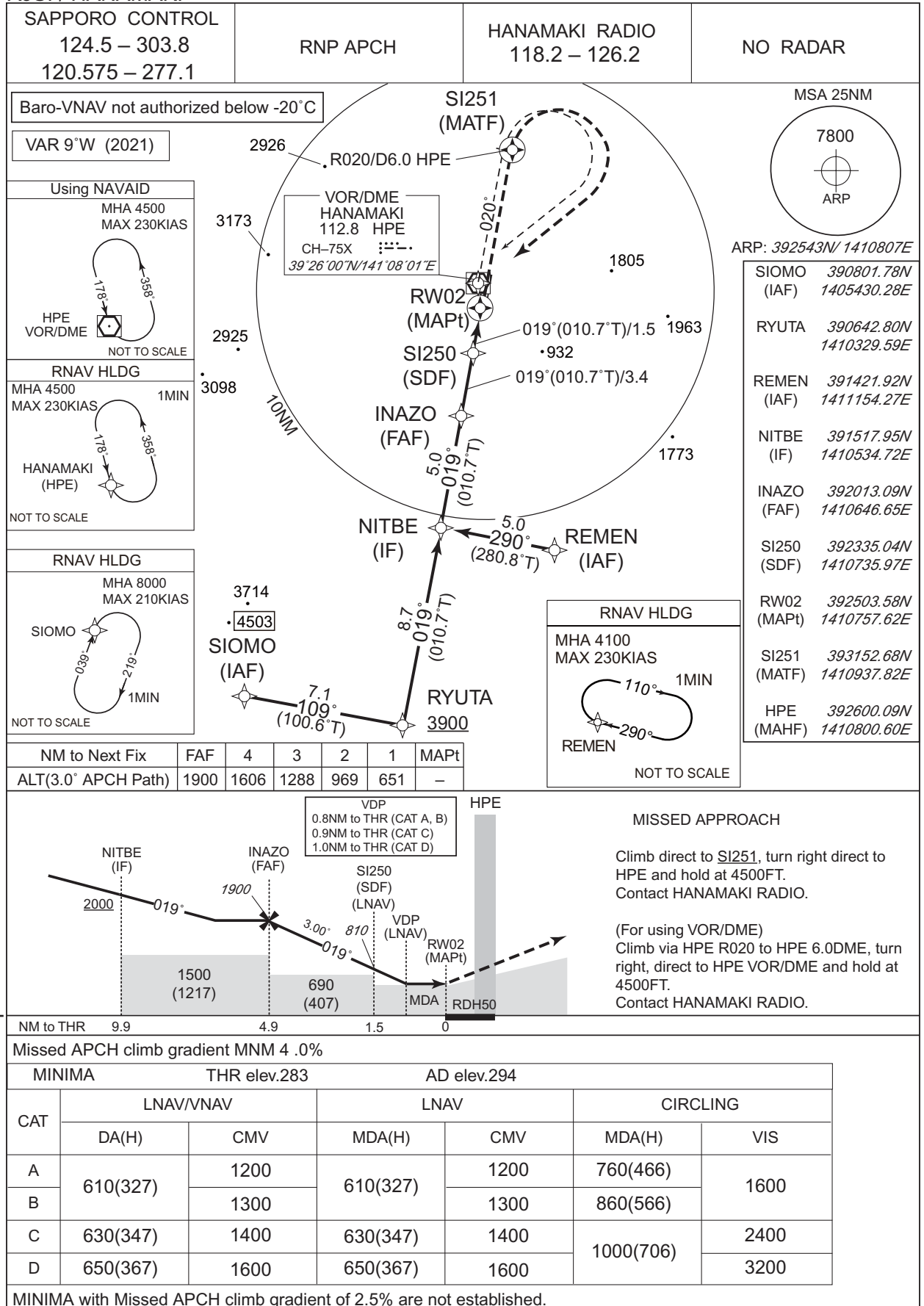
MINIMA with Missed APCH climb gradient of 2.5% are not established.



INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

RNP Z RWY02

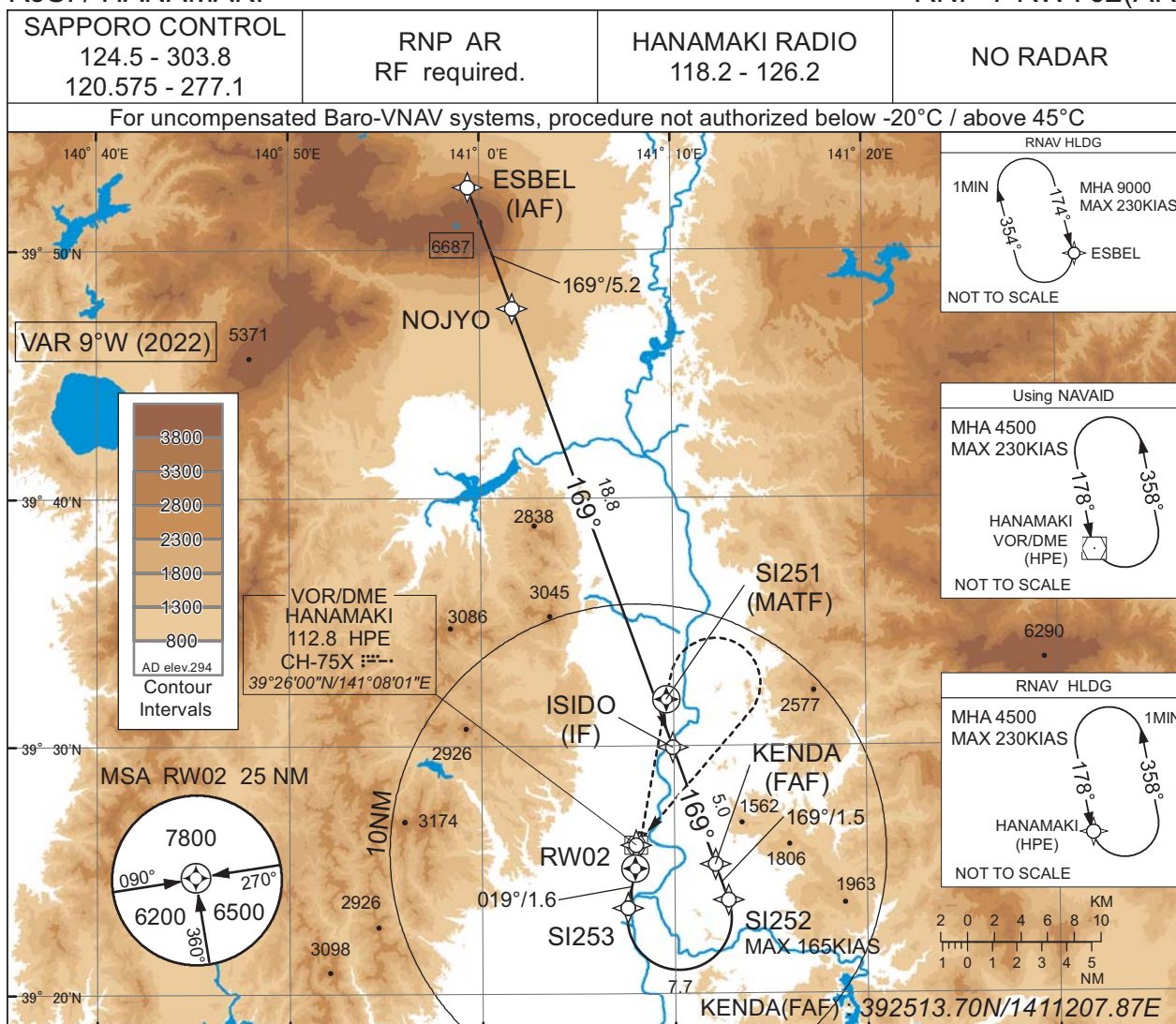


CHANGE:PROC renamed. Requirement for RNP.

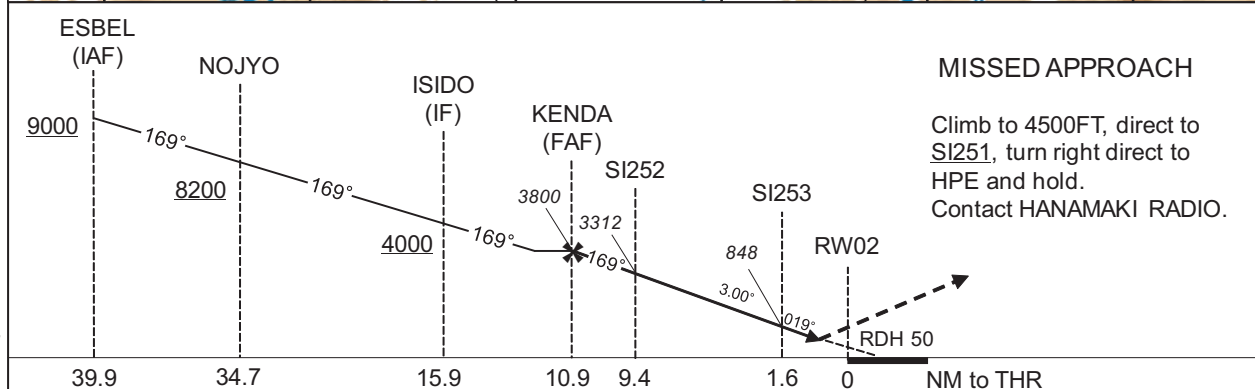
## INSTRUMENT APPROACH CHART

RJSI / HANAMAKI

RNP Y RWY02(AR)



CHANGE : PROC renamed. Requirement for RNP.



Missed APCH climb gradient MNM 4.0%

| MINIMA | THR elev. 283 | AD elev. 294 |
|--------|---------------|--------------|
| CAT    | RNP 0.30      |              |
|        | DA(H)         | CMV          |
| A      | -             | -            |
| B      | -             | -            |
| C      | 595(312)      | 1400         |
| D      |               | 1600         |

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

**Authorization Required**

## 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                                 | ESBEL               | -        | -              | -8.8               | -             | -              | +9000         | -            | -               | -         |
| 002           | TF                                 | NOJYO               | -        | 169<br>(160.2) | -8.8               | 5.2           | -              | +8200         | -            | -               | 1.0       |
| 003           | TF                                 | ISIDO               | -        | 169<br>(160.2) | -8.8               | 18.8          | -              | +4000         | -            | -               | 1.0       |
| 004           | TF                                 | KENDA               | -        | 169<br>(160.3) | -8.8               | 5.0           | -              | 3800          | -            | -               | 1.0       |
| 005           | TF                                 | SI252               | -        | 169<br>(160.4) | -8.8               | 1.5           | -              | 3312          | -165         | -3.00           | 0.3       |
| 006           | RF<br>Center:<br>SIRF1<br>r=2.10NM | SI253               | -        | -              | -8.8               | 7.7           | R              | 848           | -            | -3.00           | 0.3       |
| 007           | TF                                 | RW02                | Y        | 019<br>(010.7) | -8.8               | 1.6           | -              | 333           | -            | -3.00/50        | 0.3       |
| 008           | DF                                 | SI251               | Y        | -              | -8.8               | -             | -              | -             | -            | -               | 1.0       |
| 009           | 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 | ESBEL               | 174<br>(165.3)        | -8.8               | 1.0 (-14000)        | R              | 9000                  | FL140                 | -230<br>(-14000) | 1.0       |
| Hold | HPE                 | 178<br>(169.7)        | -8.8               | 1.0 (-14000)        | L              | 4500                  | FL140                 | -230<br>(-14000) | 1.0       |

Waypoint Coordinates

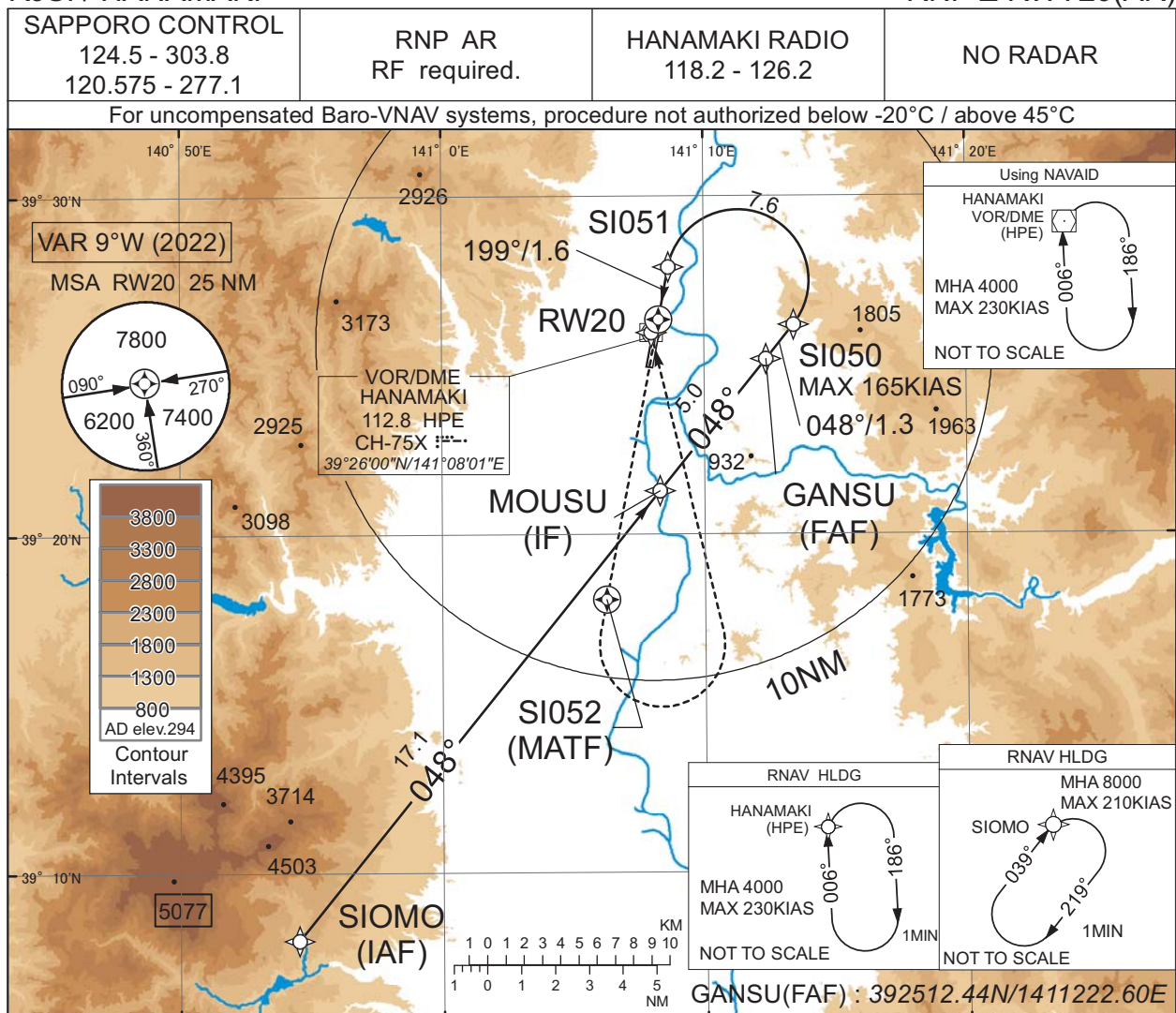
| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| ESBEL               | 395233.23N / 1405924.90E | SIRF1                    | 392304.37N / 1411014.42E |
| NOJYO               | 394739.56N / 1410142.35E |                          |                          |
| 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 : PROC renamed.

## INSTRUMENT APPROACH CHART

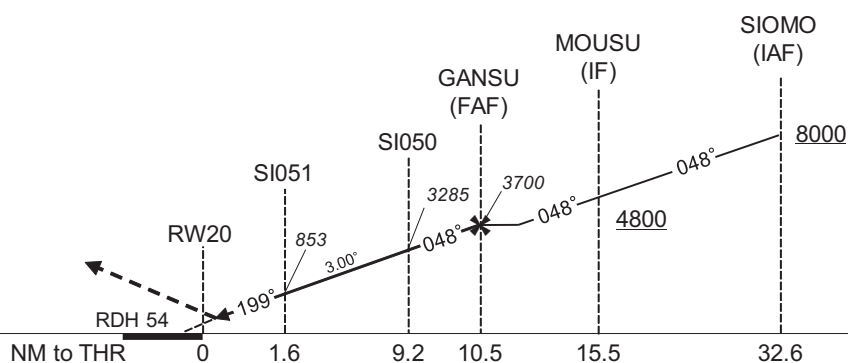
RJSI / HANAMAKI

RNP Z RWY20(AR)



## MISSED APPROACH

Climb to 4000FT, direct to  
SI052, turn left direct to HPE  
and hold.  
Contact HANAMAKI RADIO.



| 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

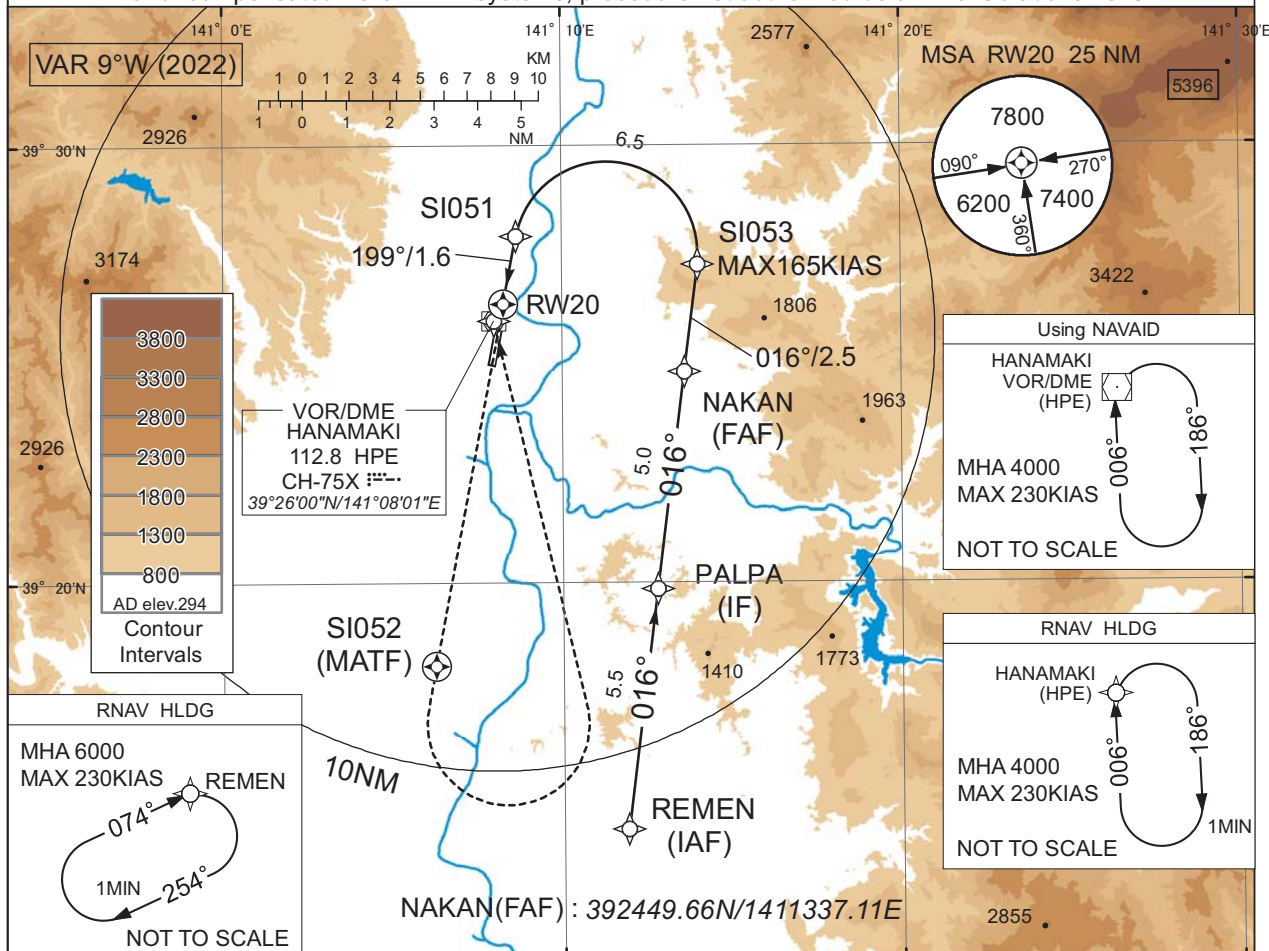
RJSI / HANAMAKI

RNP Y RWY20(AR)

SAPPORO CONTROL  
124.5 - 303.8  
120.575 - 277.1RNP AR  
RF required.HANAMAKI RADIO  
118.2 - 126.2

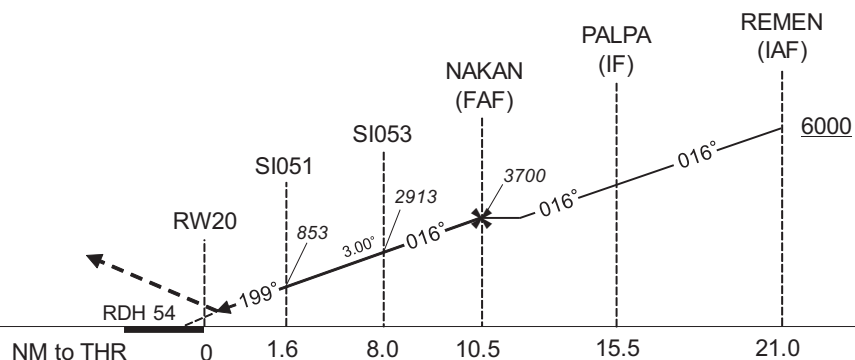
NO RADAR

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



## MISSED APPROACH

Climb to 4000FT, direct to  
SI052, turn left direct to HPE  
and hold.  
Contact HANAMAKI RADIO.



| 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**

CHANGE : PROC renamed. Requirement for RNP.

## 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<br>Morioka   | 360°T / 16.4NM      | JR駅<br>JR Station          |
| 城山<br>Shiroyama | 012°T / 8.4NM       | 城跡<br>The site of a castle |
| 豊沢<br>Toyosawa  | 293°T / 8.1NM       | 豊沢ダム<br>Dam                |
| 田瀬湖<br>Taseko   | 121°T / 10.0NM      | 田瀬ダム<br>Dam                |
| 北上<br>Kitakami  | 184°T / 8.9NM       | JR駅<br>JR Station          |
| 水沢<br>Mizusawa  | 178°T / 17.4NM      | JR駅<br>JR Station          |





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Minimum Vectoring Altitude CHART

