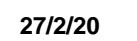


CHANGE:STOP BAR LGT abolished



AIRCRAFT PARKING/DOCKING CHART
RJCH / HAKODATE

AD CHART

CHANGE : UHF frequency(TWR) deleted.

HAKODATE AIRPORT
ELEV34.1m (111.9ft)

| Designation | Call Sign | Frequency (MHz) |
|-------------|------------------|-----------------|
| ATIS | Hakodate Airport | 126.6 |
| TWR | Hakodate Tower | 118.35 126.2 |



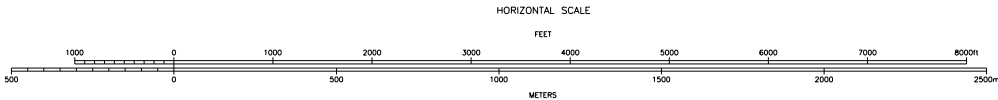
AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
Transverse Mercator Projection

MAGNETIC VARIATION 10°W - OCT 2022



| LEGEND | AMENDMENT RECORD | |
|-------------------------------------|------------------|------------|
| | Nr | ENTERED BY |
| ① IDENTIFICATION NUMBER | | |
| ⊙ POLE, TOWER, SPIRE, ANTENNA, ETC | | |
| * TREE | | |
| RAILROAD | | |
| TRANSMISSION LINE OR OVERHEAD CABLE | | |
| ▲ TRIANGULATION POINT | | |
| ★ AERONAUTICAL GROUND LIGHT | | |
| ■ BUILDING OR LARGE STRUCTURE | | |
| CONTOURS(10) | | |



CHANGE:Update

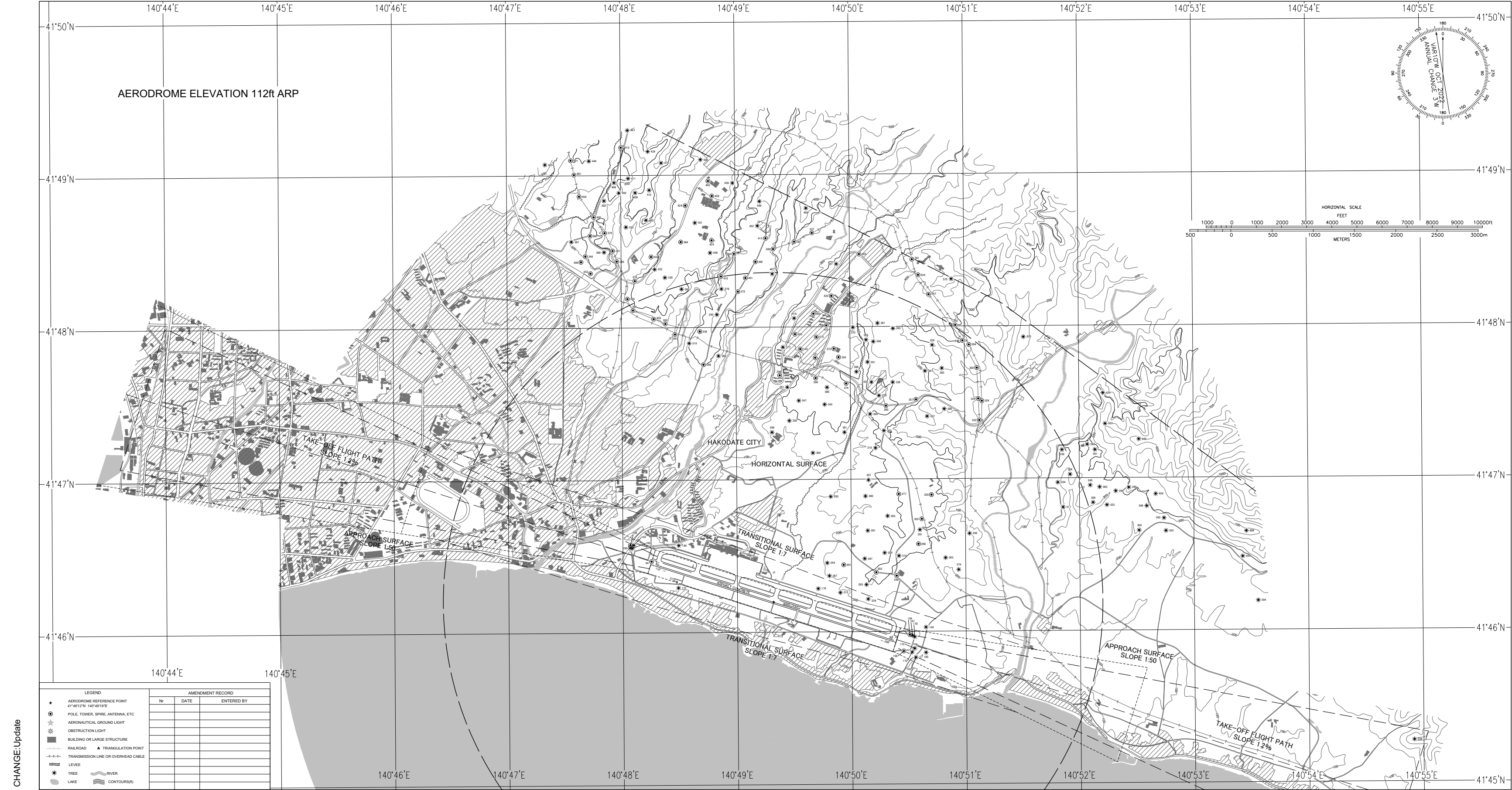
AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
Transverse Mercator Projection



AERODROME OBSTACLE CHART - ICAO
TYPE B

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC
Transverse Mercator Projection



STANDARD DEPARTURE CHART - INSTRUMENT

RJCH / HAKODATE

SID

HAKODATE REVERSAL SIX DEPARTURE

RWY 12: Climb RWY HDG to 600FT, turn right HDG239°...

RWY 30: Climb RWY HDG to 500FT, turn left HDG149°...

...to intercept and proceed via HWE R194 to 3000FT, turn right direct to HWE VOR/DME.
Cross HWE VOR/DME at or above 5000FT.

Note RWY12 : 4.0% climb gradient required up to 600FT.

OBST ALT 657FT located at 3.4NM 108° FM end of RWY12.

RWY30 : 5.2% climb gradient required up to 1600FT.

OBST ALT 1294FT located at 4.6NM 268° FM end of RWY30.

CHANGE : PROC renamed(HAKODATE REVERSAL SIX DEPARTURE), PROC abolished(HAKODATE SOUTH SEVEN DEPARTURE, TAPPI SEVEN DEPARTURE, YUWA TRANSITION, ESASI SIX DEPARTURE, TIKYU ONE DEPARTURE), Note(HAKODATE REVERSAL SIX DEPARTURE).

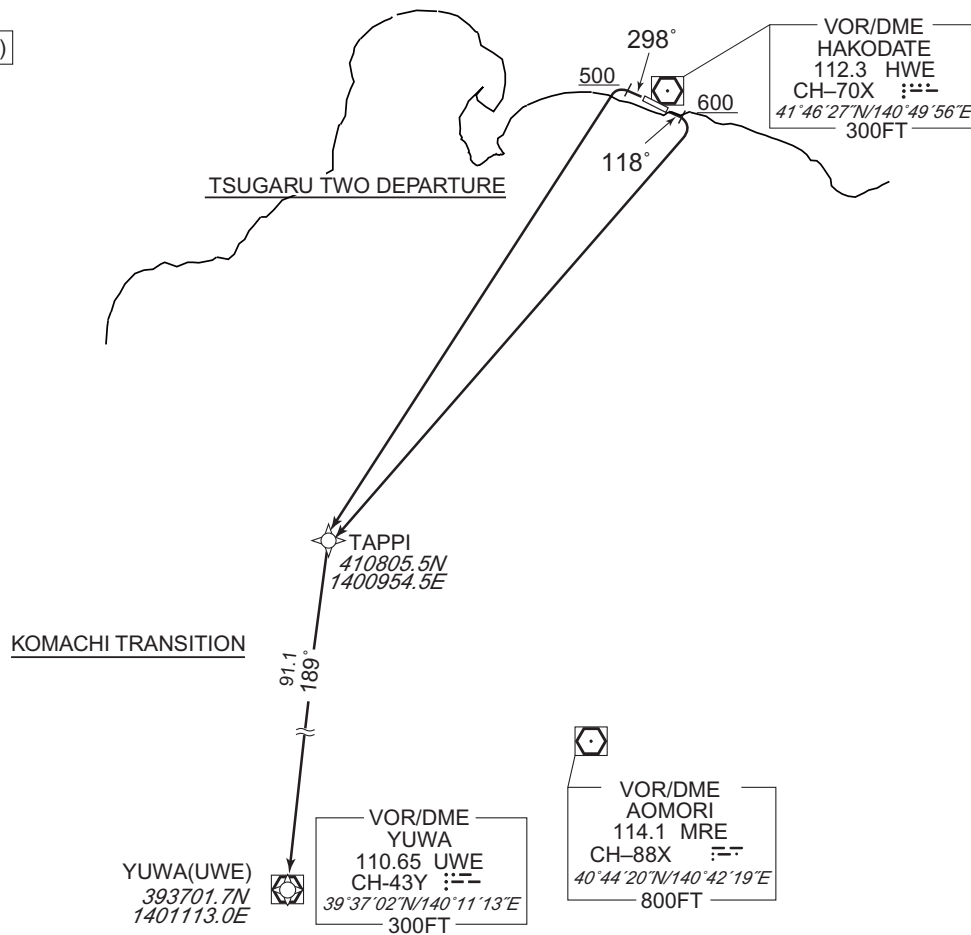


CHANGE : VAR. PROC renamed(TSUGARU TWO DEPARTURE). Navigation specification. Sensor for RNAV. PROC course(TSUGARU TWO DEPARTURE, KOMACHI TRANSITION). NOTE(TSUGARU TWO DEPARTURE).

RNAV SID and TRANSITION

Basic RNP1

VAR 10°W (2022)



RWY12 : Climb on HDG118° at or above 600FT, turn right direct to TAPPI.
RWY30 : Climb on HDG298° at or above 500FT, turn left direct to TAPPI.

NOTE RWY12 : 4.0% climb gradient required up to 600FT.
OBST ALT 657FT located at 3.4NM 108° FM end of RWY12.
RWY30 : 5.2% climb gradient required up to 1600FT.
OBST ALT 1294FT located at 4.6NM 268° FM end of RWY30.

From TAPPI, to UWE.

STANDARD DEPARTURE CHART - INSTRUMENT

RJCH / HAKODATE

RNAV SID and TRANSITION

TSUGARU TWO DEPARTURE

RWY12

| 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 | — | — | 118 (108.0) | -9.6 | — | — | +600 | — | — | Basic RNP1 |
| 002 | DF | TAPPI | — | — | -9.6 | — | R | — | — | — | Basic RNP1 |

RWY30

| 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 | — | — | 298 (288.1) | -9.6 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | TAPPI | — | — | -9.6 | — | L | — | — | — | Basic RNP1 |

KOMACHI 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 | TAPPI | — | — | -9.6 | — | — | — | — | — | Basic RNP1 |
| 002 | TF | UWE | — | 189 (179.4) | -9.6 | 91.1 | — | — | — | — | Basic RNP1 |

CHANGE : VAR. PROC course(TSUGARU TWO DEPARTURE, KOMACHI TRANSITION). NAVIGATION SPECIFICATION.

STANDARD DEPARTURE CHART - INSTRUMENT

RJCH / HAKODATE

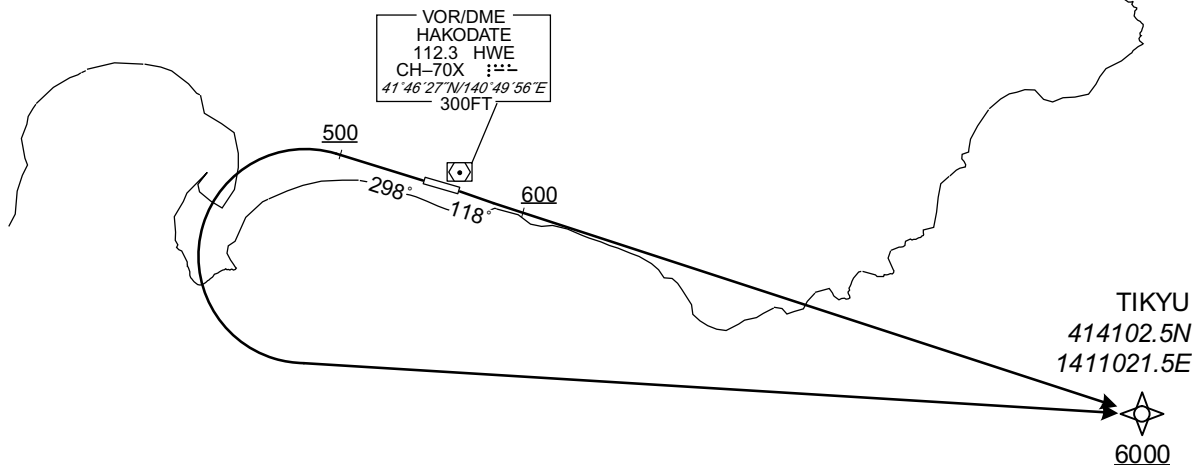
RNAV SID

TOI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 10°W (2022)



RWY12 : Climb on HDG118° at or above 600FT, direct to TIKYU at or above 6000FT.

RWY30 : Climb on HDG298° at or above 500FT, turn left direct to TIKYU at or above 6000FT.

NOTE RWY12 : 6.0% climb gradient required up to 1500FT.

OBST ALT 1247FT located at 3.6NM 101° FM end of RWY12.

RWY30 : 5.2% climb gradient required up to 1600FT.

OBST ALT 1294FT located at 4.6NM 268° FM end of RWY30.

RWY12

| 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 | - | — | 118 (108.1) | -9.6 | — | — | +600 | — | — | Basic RNP1 |
| 002 | DF | TIKYU | — | — | -9.6 | — | — | +6000 | — | — | Basic RNP1 |

RWY30

| 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 | - | — | 298 (288.1) | -9.6 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | TIKYU | — | — | -9.6 | — | L | +6000 | — | — | Basic RNP1 |

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJCH / HAKODATE

RNAV SID

OKUSHIRI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 10°W (2022)



RWY12 : Climb on HDG118° at or above 600FT, turn right direct to ESASI at or above 5000FT.
RWY30 : Climb on HDG298° at or above 700FT, direct to ESASI at or above 5000FT.

NOTE RWY12 : 4.0% climb gradient required up to 600FT.

OBST ALT 657FT located at 3.4NM 108° FM end of RWY12.

RWY30 : 3.4% climb gradient required up to 700FT.

OBST ALT 1969FT located at 12.2NM 304° FM end of RWY30.

RWY12

| 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 | - | — | 118 (108.1) | -9.6 | — | — | +600 | — | — | Basic RNP1 |
| 002 | DF | ESASI | — | — | -9.6 | — | R | +5000 | — | — | Basic RNP1 |

RWY30

| 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 | - | — | 298 (288.1) | -9.6 | — | — | +700 | — | — | Basic RNP1 |
| 002 | DF | ESASI | — | — | -9.6 | — | — | +5000 | — | — | Basic RNP1 |

CHANGE : New PROC.

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STANDARD ARRIVAL CHART - INSTRUMENT

RJCH / HAKODATE

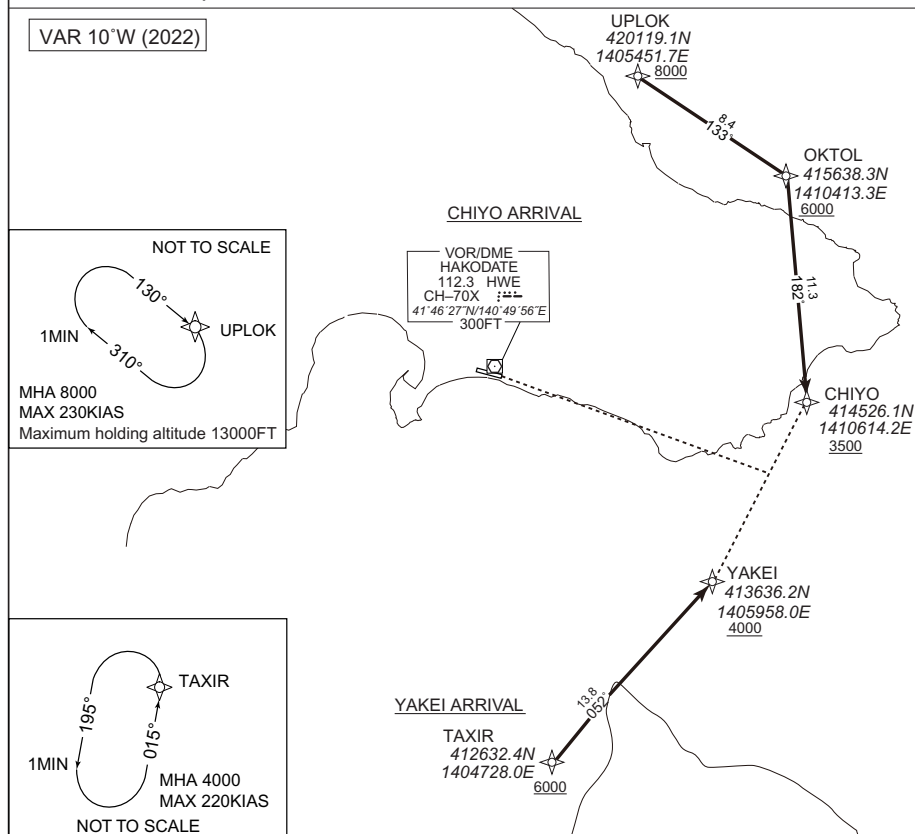
RNAV STAR RWY30

CHIYO ARRIVAL
YAKEI ARRIVAL

Basic RNP1

Note GNSS required.

VAR 10°W (2022)



CHIYO ARRIVAL

From UPLOK at or above 8000FT, to OKTOL at or above 6000FT, to CHIYO at or above 3500FT.

| 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 | UPLOK | — | — | -9.6 | — | — | +8000 | — | — | Basic RNP1 |
| 002 | TF | OKTOL | — | 133 (123.9) | -9.6 | 8.4 | — | +6000 | — | — | Basic RNP1 |
| 003 | TF | CHIYO | — | 182 (172.4) | -9.6 | 11.3 | — | +3500 | — | — | 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 | UPLOK | 130 (120.0) | -9.6 | 1.0(-14000) | R | 8000 | 13000 | -230(-13000) | Basic RNP1 |

YAKEI ARRIVAL

From TAXIR at or above 6000FT, to YAKEI at or above 4000FT.

| 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 | TAXIR | — | — | -9.6 | — | — | +6000 | — | — | Basic RNP1 |
| 002 | TF | YAKEI | — | 052 (042.9) | -9.6 | 13.8 | — | +4000 | — | — | 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 | TAXIR | 015 (005.3) | -9.6 | 1.0(-14000) | L | 4000 | FL140 | -220(-14000) | Basic RNP1 |

CHANGE : VAR. CHIYO ARRIVAL established. Navigation specification. RNAV HLDG established(TAXIR, UPLOK).
HLDG for using NAVAID abolished(TAXIR).

STANDARD ARRIVAL CHART - INSTRUMENT

RJCH / HAKODATE

RNAV STAR RWY12



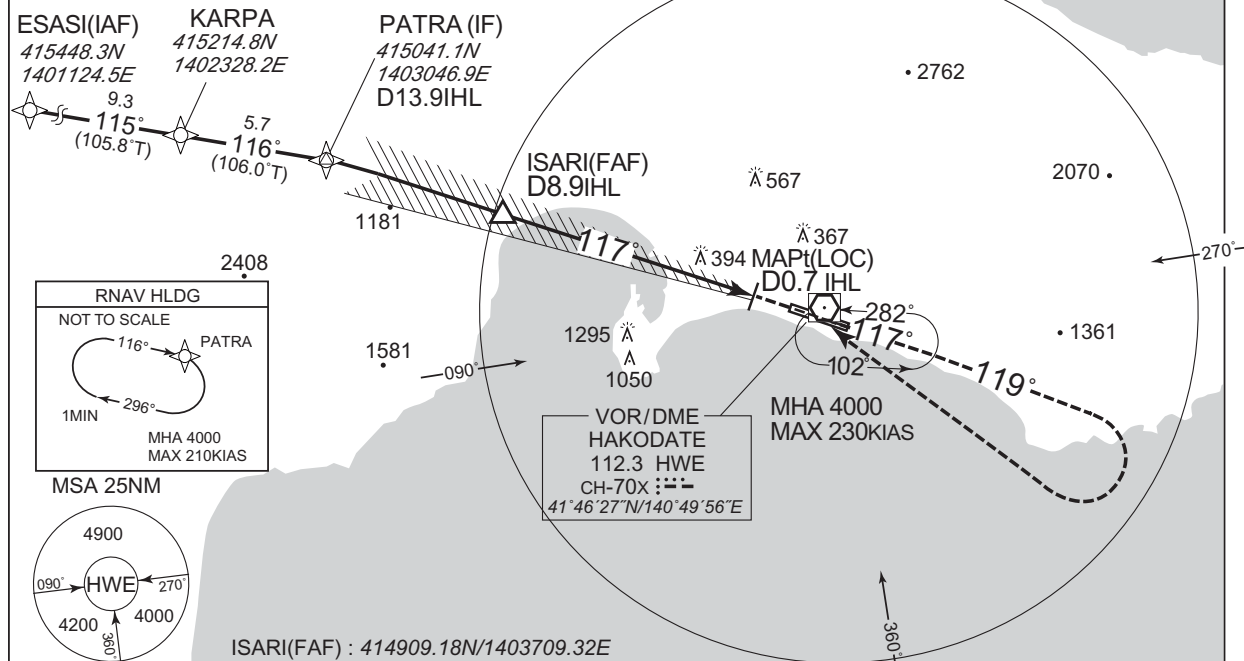
CHANGE : VAR. PATRA NORTH ARRIVAL established. PROC renamed(PATRA SOUTH ARRIVAL). Navigation specification. RNAV HLDG established(TAXIR, UPLOK). HLDG for using NAVAID abolished(TAXIR).

RJCH / HAKODATE

ILS Z or LOC Z RWY12

NOTE : For Initial approach segment
(1) Basic RNP1.
(2) GNSS required.

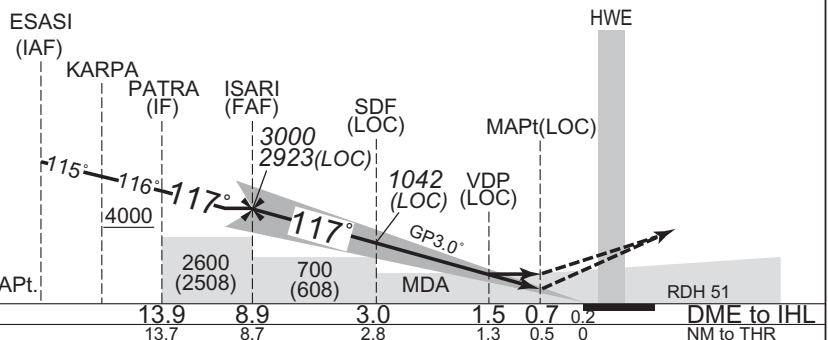
EQPT REQUIRED
DME
VOR



| | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|-----|------|
| NM to IHL | FAF | 8 | 7 | 6 | 5 | 4 | 3 | 2 | MAPt |
| ALT (3.0° APCH Path) | 2923 | 2634 | 2316 | 1997 | 1679 | 1361 | 1042 | 724 | — |

Climb on HDG117° to 600FT.
via HWE R119 to 4000FT,
turn right, direct to HWE
VOR/DME and hold.
Contact HAKODATE APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

| MINIMA | | THR elev. 92 | | AD elev. 112 | | |
|--------|-----------|--------------|-----------|--------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 292 (200) | 700 | 540 (448) | 1200 | 550 (438) | 1600 |
| B | | | | 1300 | 570 (458) | |
| C | 299 (207) | | | 1400 | 600 (488) | 2400 |
| D | 309 (217) | | | 1600 | 690 (578) | 3200 |

Circling to SOUTH side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR. KARPA established. course FM ESAS I to PATRA. RNAV HLDG established(PATRA).
HLDG for NAVAIDS abolished(PATRA, ESAS I).

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

ILS Y or LOC Y RWY12



INSTRUMENT APPROACH CHART

RJCH / HAKODATE

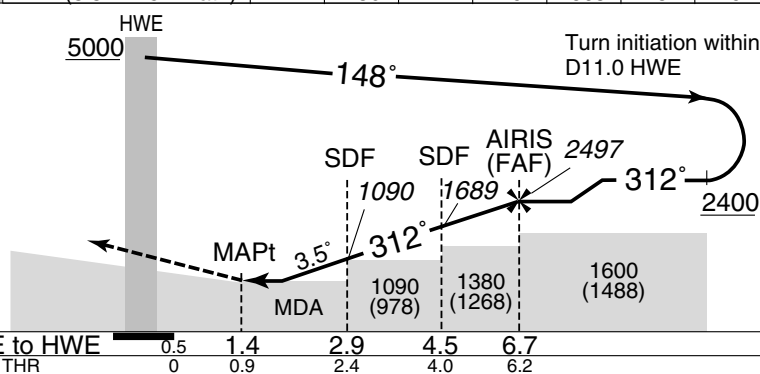
VOR RWY30

| | | | |
|--|---|----------------------------------|--------------------------|
| HAKODATE APP 119.0 – 121.0 127.9 | HAKODATE VOR/DME 112.3 HWE CH-70X 41°46'27"N/140°49'56"E | HAKODATE TOWER 118.35 – 126.2 | RADAR AVBL ATIS 126.6 |
|--|---|----------------------------------|--------------------------|



MISSED APPROACH
Turn left HDG135° to intercept
HWE R180 to 3000FT, turn left
direct to HWE VOR/DME and
hold at 5000FT.
Contact HAKODATE APP.

No Turn before MAPt.
PAPI and descent angles not coincident.
Timing not authorized for defining the MAPt.



| MINIMA | | THR elev. 151 | AD elev. 112 | | |
|--------|-----------|---------------|--------------|------|------|
| CAT | | | CIRCLING | | |
| | MDA(H) | CMV | MDA(H) | VIS | |
| A | 730 (618) | 1000 | 730 (618) | 1600 | |
| B | | 1200 | | | |
| C | | | | 1600 | 2400 |
| D | | | | | 3200 |

Circling to SOUTH side of RWY only.

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

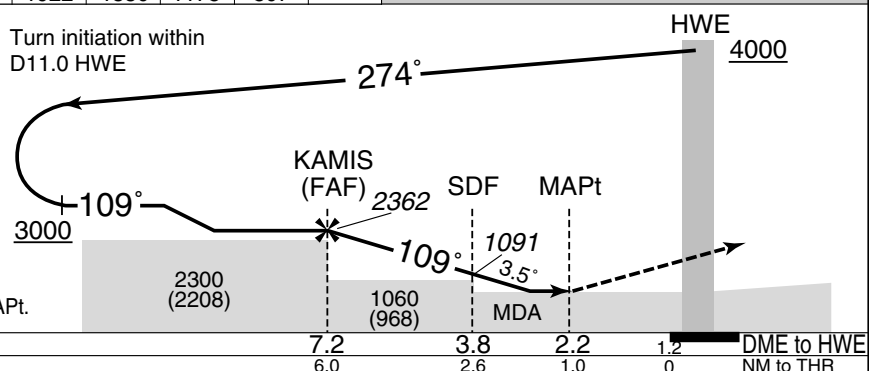
VOR RWY12

| | | | |
|--|---|----------------------------------|--------------------------|
| HAKODATE APP 119.0 – 121.0 127.9 | HAKODATE VOR/DME 112.3 HWE CH-70X 41°46'27"N/140°49'56"E | HAKODATE TOWER 118.35 – 126.2 | RADAR AVBL ATIS 126.6 |
|--|---|----------------------------------|--------------------------|



MISSED APPROACH
Climb via HWE R109 to 4000FT, turn right direct to HWE VOR/DME and hold.
Contact HAKODATE APP.

PAPI and descent angles not coincident.
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 3.6%

MINIMA THR elev. 92 AD elev. 112

| CAT | CIRCLING | | | |
|-----|-----------|---------|-----------|------|
| | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 530 (438) | 1200 | 550 (438) | 1600 |
| B | | 1300 | 570 (458) | |
| C | | 1400 | 600 (488) | |
| D | | 1600 | 690 (578) | |

Circling to SOUTH side of RWY only.

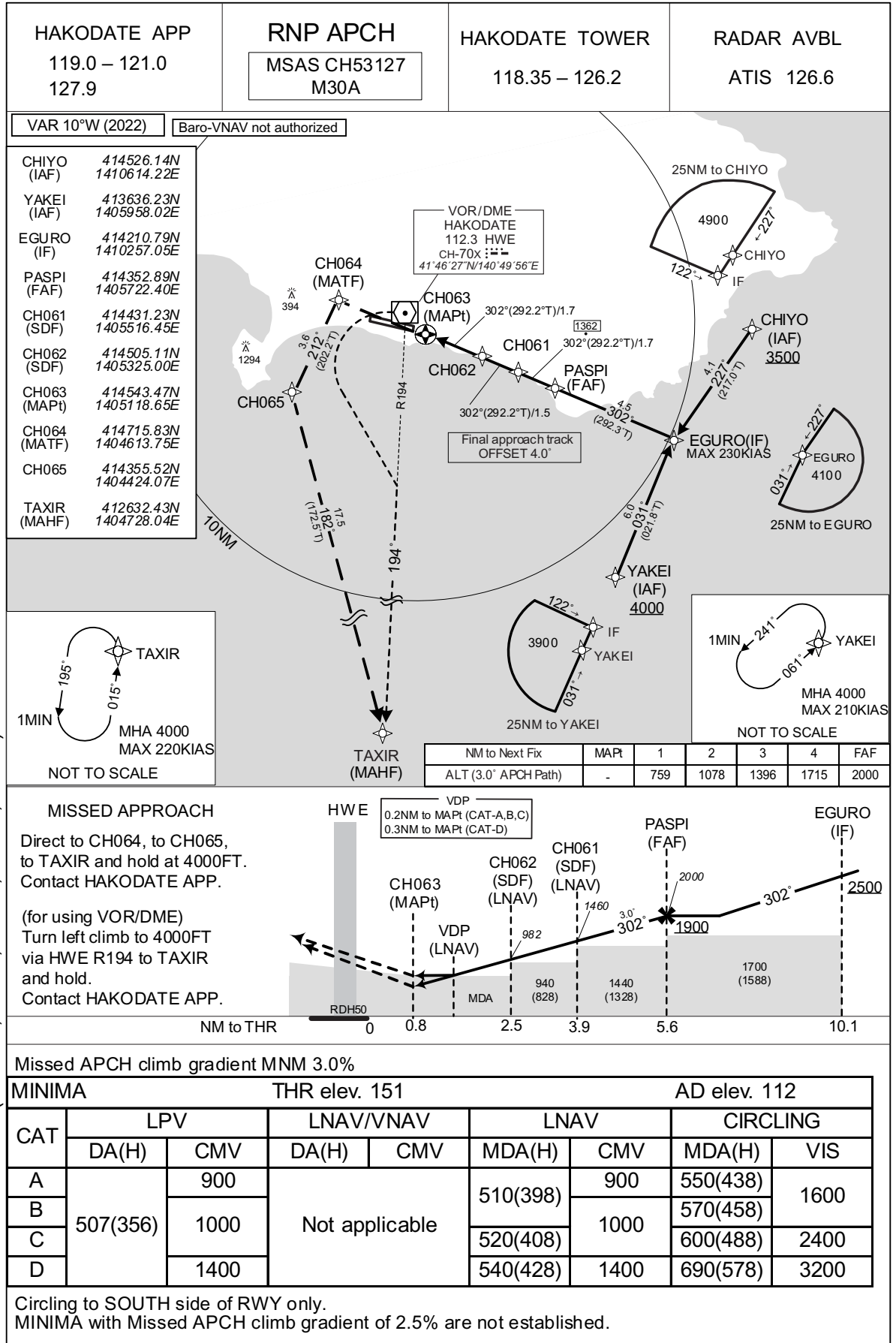
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Z RWY30

CHANGE : VAR. MSAS CH added. PROC course. FIX established(EGURO,PASPI,CH061,CH062,CH063,CH064,CH065).
FIX abolished(ROCCA,IKARU,CH058,CH059,CH060). PROC ALT. MINIMA for LPV established. MINIMA for LNAV.



INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Z RWY30

FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +00803 |
| SBAS service provider identifier | 2 | FPAP latitude | 414636.9835N |
| Airport identifier | RJCH | FPAP longitude | 1404822.0795E |
| Runway | 30 | Threshold crossing height | 00015.0 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | Z | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M30A | ∠ length offset | 0000 |
| LTP/FTP latitude | 414600.5615N | HAL | 40.0 |
| LTP/FTP longitude | 1405022.5820E | VAL | 50.0 |
| CRC remainder | 5F964DC7 | | |

Required additional data

| | |
|----------------------------|------|
| LTP/FTP orthometric height | 46.0 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJCH / HAKODATE

RNP Y RWY30(AR)

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



Climb to 4000FT, to CH272,
to CH056 via fixed radius turn,
to TAXIR and hold.
Contact HAKODATE APP.



| | | |
|--------|---------------|--------------|
| MINIMA | THR elev. 151 | AD elev. 112 |
| CAT | RNP 0.30 | |
| | DA(H) | CMV |
| A | - | - |
| B | | |
| C | 486(335) | 1000 |
| D | 496(345) | 1400 |

Authorization Required

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Y RWY30(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 | TAXIR | - | - | -9.6 | - | - | +4000 | - | - | - |
| 002 | TF | SABIO | - | 029 (019.2) | -9.6 | 10.1 | - | +2500 | - | - | 1.0 |
| 003 | TF | TRAPI | - | 029 (019.2) | -9.6 | 5.0 | - | 2500 | - | - | 1.0 |
| 004 | TF | CH054 | - | 029 (019.2) | -9.6 | 1.4 | - | 2041 | - | -3.00 | 0.3 |
| 005 | RF Center: CHRF3 r=2.50NM | CH055 | - | - | -9.6 | 4.0 | L | 774 | - | -3.00 | 0.3 |
| 006 | TF | RW30 | Y | 298 (288.1) | -9.6 | 1.8 | - | 201 | - | -3.00/50 | 0.3 |
| 007 | TF | CH272 | - | 298 (288.1) | -9.6 | 5.6 | - | - | - | - | 1.0 |
| 008 | RF Center: CHRF4 r=2.90NM | CH056 | - | - | -9.6 | 6.6 | L | - | - | - | 1.0 |
| 009 | TF | TAXIR | - | 168 (158.5) | -9.6 | 18.6 | - | 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 | TAXIR | 015 (005.3) | -9.6 | 1.0 (-14000) | L | 4000 | FL140 | -220 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| TAXIR | 412632.43N / 1404728.04E | CHRF3 | 414301.30N / 1405136.09E |
| SABIO | 413606.58N / 1405154.81E | CHRF4 | 414456.26N / 1404159.49E |
| TRAPI | 414049.99N / 1405407.02E | | |
| CH054 | 414211.71N / 1405445.20E | | |
| CH055 | 414524.03N / 1405238.26E | | |
| RW30 | 414557.54N / 1405021.00E | | |
| CH272 | 414742.10N / 1404311.31E | | |
| CH056 | 414352.33N / 1403822.94E | | |

CHANGE : VAR: Course FM RW30 to CH272. RNAV HLDG established (TAXIR).

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Z RWY12



CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Z RWY12

FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +00625 |
| SBAS service provider identifier | 2 | FPAP latitude | 414557.5735N |
| Airport identifier | RJCH | FPAP longitude | 1405021.1555E |
| Runway | 12 | Threshold crossing height | 00015.5 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | Z | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M12A | ∠ length offset | 0000 |
| LTP/FTP latitude | 414627.5895N | HAL | 40.0 |
| LTP/FTP longitude | 1404817.5995E | VAL | 50.0 |
| CRC remainder | 69B323C3 | | |

Required additional data

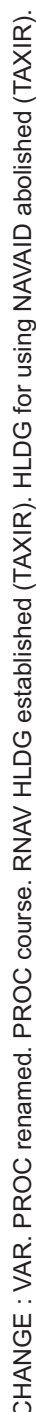
| | |
|----------------------------|------|
| LTP/FTP orthometric height | 28.1 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJCH / HAKODATE

RNP Y RWY12(AR)

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



Climb to 4000FT, to CH273,
to TAXIR and hold.
Contact HAKODATE APP.

| | | |
|-------------------------------------|----------|---------------------------|
| Missed APCH climb gradient MNM 5.0% | | |
| MINIMA | | THR elev. 92 AD elev. 112 |
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | | |
| C | 402(310) | 1400 |
| D | 423(331) | 1600 |

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

Authorization Required

INSTRUMENT APPROACH CHART

RJCH / HAKODATE

RNP Y RWY12(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 | TAXIR | - | - | -9.6 | - | - | +4000 | - | - | - |
| 002 | TF | BOHNI | - | 350 (340.6) | -9.6 | 10.1 | - | +2500 | - | - | 1.0 |
| 003 | TF | YUNOK | - | 350 (340.6) | -9.6 | 5.9 | - | +2500 | - | - | 1.0 |
| 004 | TF | CH271 | - | 350 (340.5) | -9.6 | 3.0 | - | +2500 | -185 | - | 1.0 |
| 005 | RF Center: CHRF5 r=2.50NM | BESAR | - | - | -9.6 | 2.2 | R | 2500 | - | - | 1.0 |
| 006 | RF Center: CHRF5 r=2.50NM | CH272 | - | - | -9.6 | 3.4 | R | 1421 | - | -3.00 | 0.3 |
| 007 | TF | RW12 | Y | 118 (108.0) | -9.6 | 4.0 | - | 143 | - | -3.00/51 | 0.3 |
| 008 | TF | CH273 | - | 118 (108.1) | -9.6 | 5.4 | - | - | - | - | 1.0 |
| 009 | TF | TAXIR | - | 207 (197.6) | -9.6 | 19.1 | - | 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 | TAXIR | 015 (005.3) | -9.6 | 1.0 (-14000) | L | 4000 | FL140 | -220 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| TAXIR | 412632.43N / 1404728.04E | CHRF5 | 414519.29N / 1404209.46E |
| BOHNI | 413606.23N / 1404258.19E | | |
| YUNOK | 414139.34N / 1404020.87E | | |
| CH271 | 414429.13N / 1403900.50E | | |
| BESAR | 414635.08N / 1403916.36E | | |
| CH272 | 414742.10N / 1404311.31E | | |
| RW12 | 414627.62N / 1404817.61E | | |
| CH273 | 414446.88N / 1405510.13E | | |

CHANGE : VAR. PROC renamed. PROC course. RNAV HLDG established (TAXIR).

RJCH / HAKODATE

Visual REP

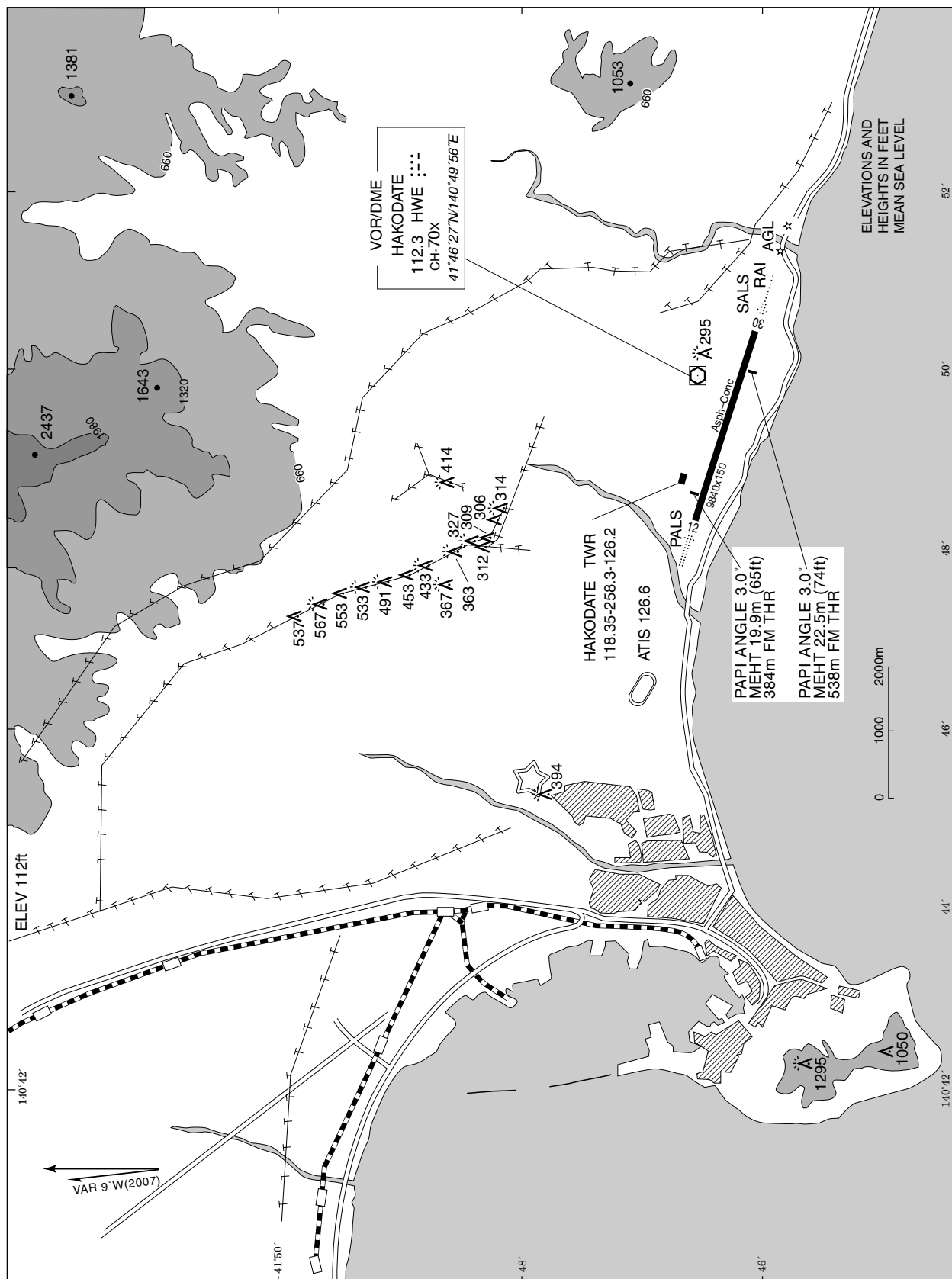


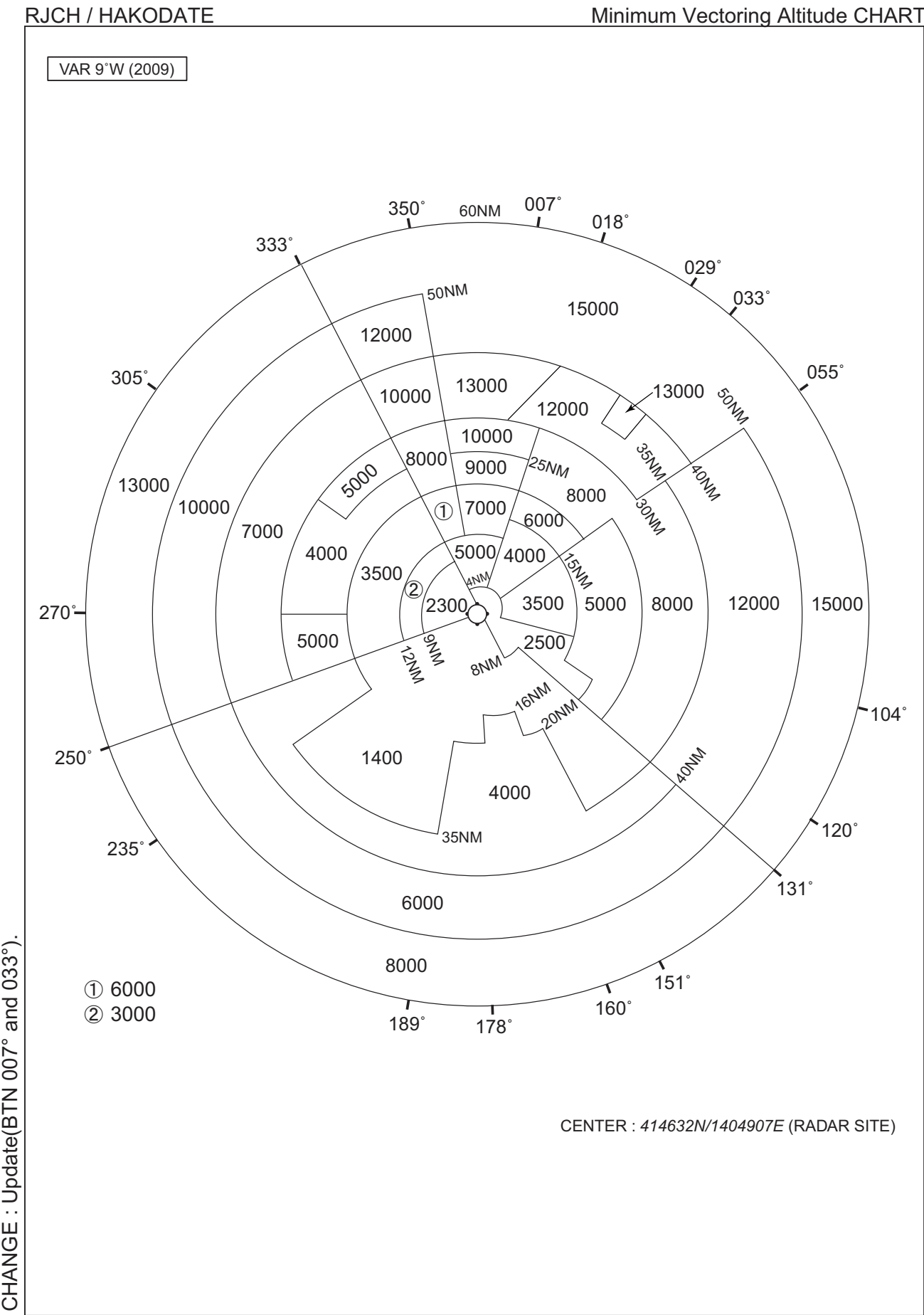
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE :DIST from ARP(Mihara):

| Call sign | BRG / DIST from ARP | Remarks |
|-----------------------|---------------------|---------------------------------|
| 大沼 Onuma | 330°T / 13.9NM | JR駅 JR Station |
| 桔梗 Kikyo | 316°T / 6.4NM | JR駅 JR Station |
| 矢別 Yabetsu | 043°T / 5.7NM | ダム Dam |
| 恵山岬 Esanmisaki | 081°T / 16.5NM | 灯台 Lighthouse |
| 美原 Mihara | 310°T / 3.9NM | NHKラジオアンテナ NHK radio antenna |
| 立待 Tachimachi | 252°T / 4.8NM | 岬 Cape |
| 当別 Tobetsu | 261°T / 11.5NM | トラピスト修道院 Religious house |
| 汐首岬 Shiokubimisaki | 119°T / 7.3NM | 灯台 Lighthouse |
| 5NM S | 180°T / 5.0NM | 海上 Over the sea |
| 大間崎 Omazaki | 163°T / 14.0NM | 岬 Cape |

LDG CHART





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