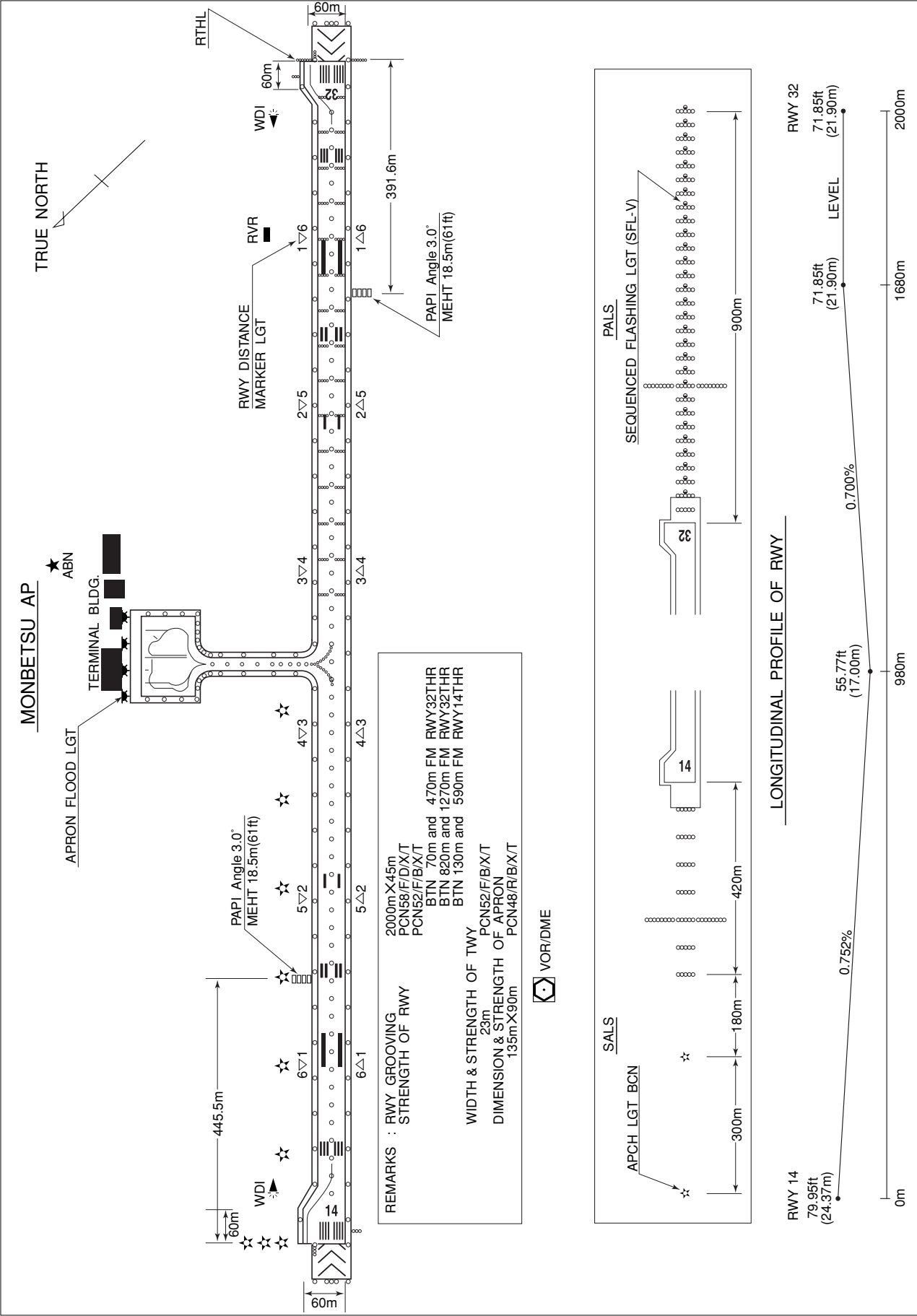


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AD CHART



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STANDARD DEPARTURE CHART-INSTRUMENT

RJEB / MONBETSU

SID and TRANSITION

MONBETSU REVERSAL FIVE DEPARTURE

RWY14 : Climb RWY HDG to 600FT, turn left HDG050°, to 2500FT turn left,...  
 RWY32 : Climb RWY HDG to 500FT, turn right HDG050°, to 2500FT turn right,...  
 ...direct to MVE VOR/DME.  
 Cross MVE VOR/DME at or above 4000FT.

Note RWY14 : 5.0% climb gradient required up to 900FT.  
 OBST ALT 591FT located at 2.7NM 156° FM end of RWY14.  
 RWY32: 4.3% climb gradient required up to 800FT.  
 OBST ALT 657FT located at 3.5NM 316° FM end of RWY32.

LUBEK TRANSITION

From over MVE VOR/DME, proceed via MVE R236 to LUBEK.  
 Cross LUBEK at or above 8000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJEB / MONBETSU

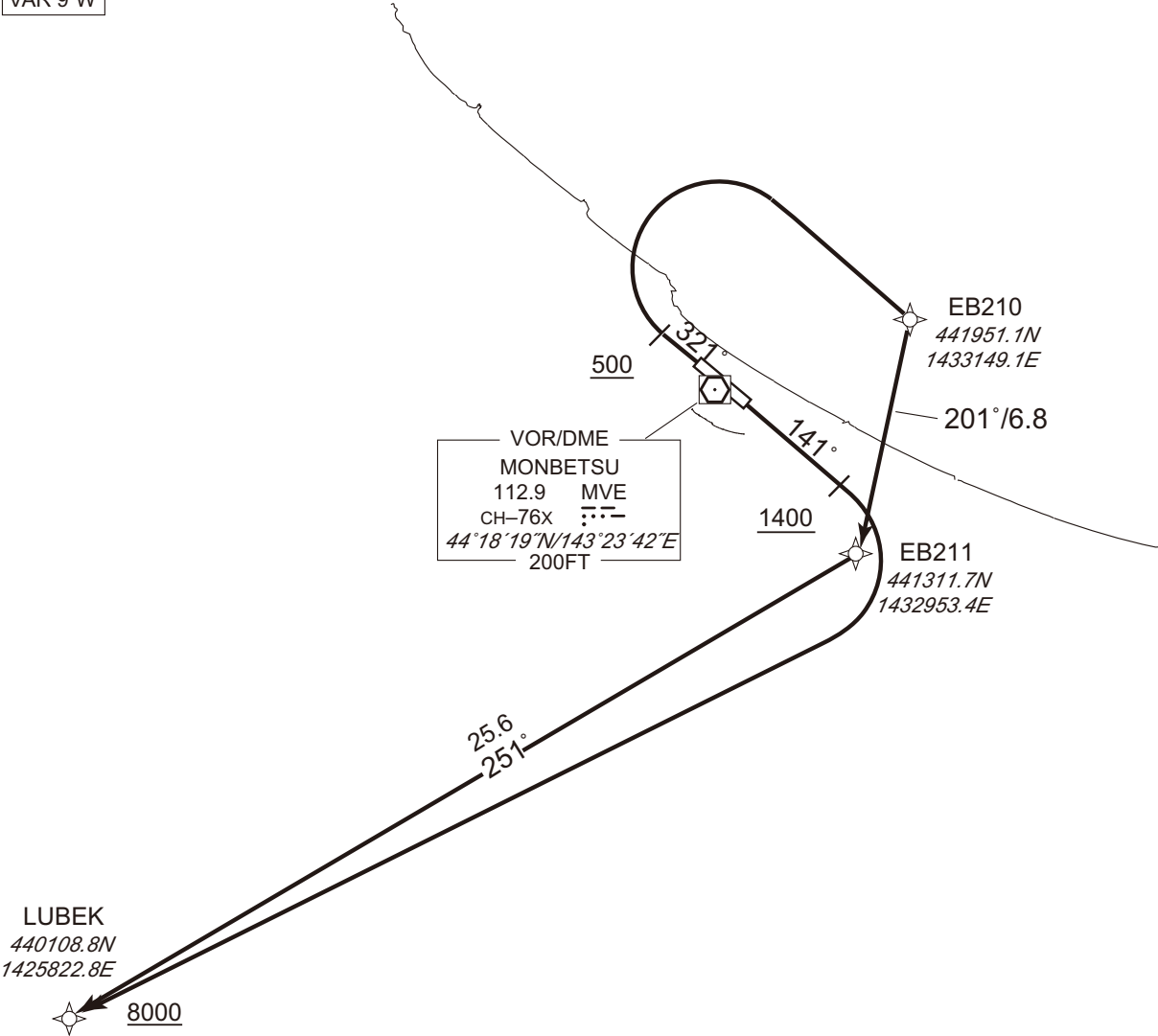
RNAV SID

LUBEK ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W



RWY14 : Climb on HDG141° at or above 1400FT, turn right direct to LUBEK at or above 8000FT.

RWY32 : Climb on HDG321° at or above 500FT, turn right direct to EB210, to EB211, to LUBEK at or above 8000FT.

Note RWY14 : 5.0% climb gradient required up to 1400FT.  
OBST ALT 1182FT located at 2.9NM 172° FM end of RWY14.

RWY32 : 5.0% climb gradient required up to 700FT.  
OBST ALT 657FT located at 3.4NM 318° FM end of RWY32.

CHANGE: Description of VAR and PROC name.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJEB / MONBETSU

RNAV SID

LUBEK ONE DEPARTURE

## RWY14

| 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              | —                   | —        | 141<br>(132.0)  | -9.2               | —             | —              | +1400         | —            | —              | Basic RNP1               |
| 002           | DF              | LUBEK               | —        | —               | -9.2               | —             | R              | +8000         | —            | —              | Basic RNP1               |

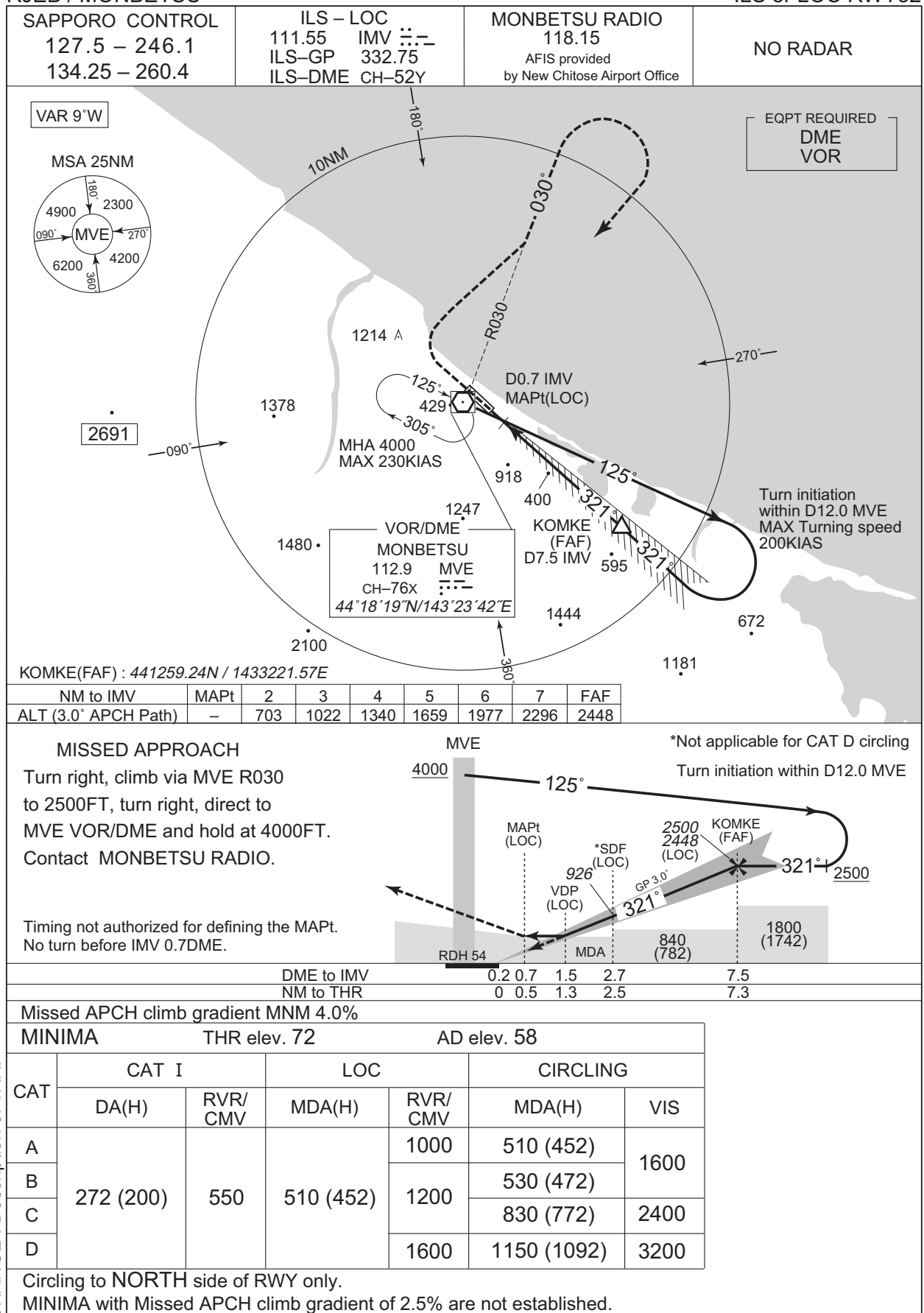
## RWY32

| 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              | —                   | —        | 321<br>(312.0)  | -9.2               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | EB210               | —        | —               | -9.2               | —             | R              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | EB211               | —        | 201<br>(191.7)  | -9.2               | 6.8           | —              | —             | —            | —              | Basic RNP1               |
| 004           | TF              | LUBEK               | —        | 251<br>(242.1)  | -9.2               | 25.6          | —              | +8000         | —            | —              | Basic RNP1               |

## INSTRUMENT APPROACH CHART

RJEB / MONBETSU

ILS or LOC RWY32



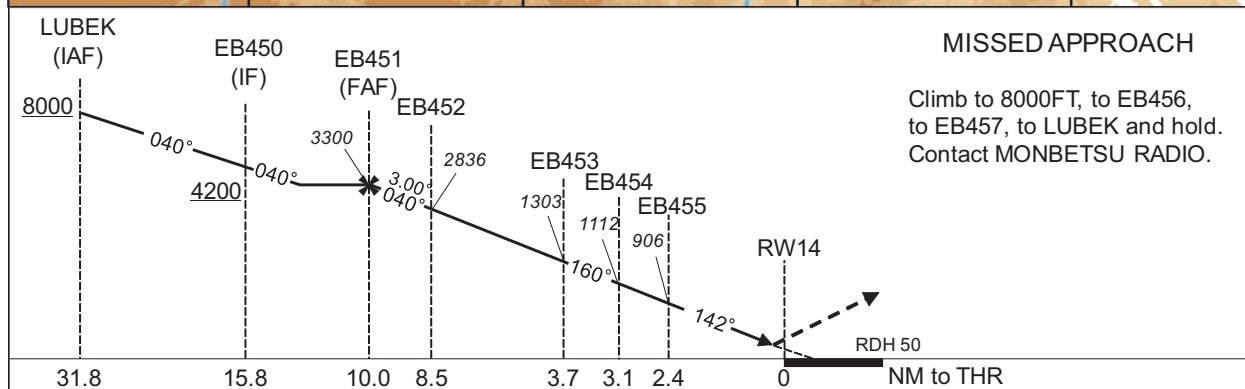
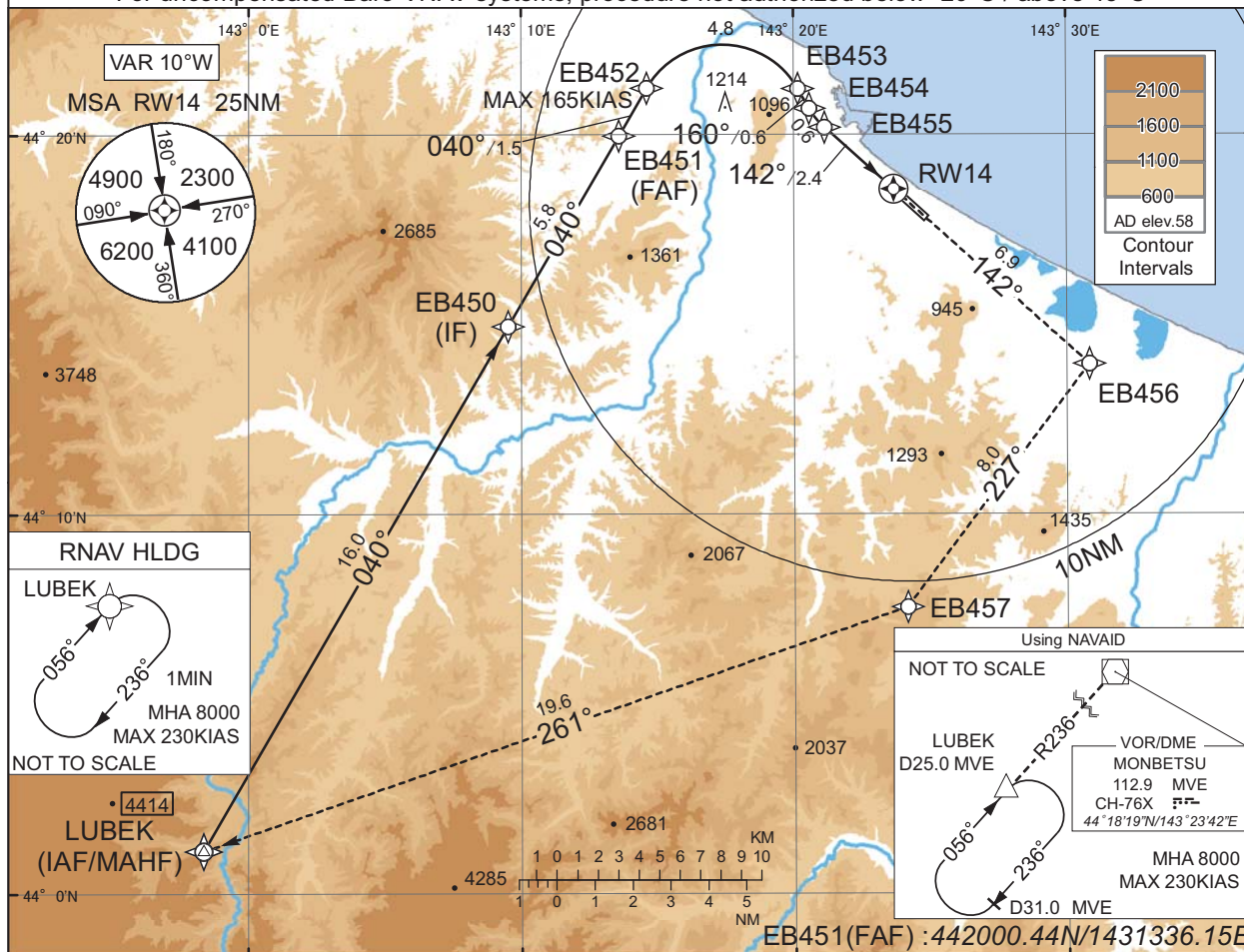
## INSTRUMENT APPROACH CHART

## RJEB / MONBETSU

## RNP RWY14(AR)

|  |                        |  |          |
|--|------------------------|--|----------|
| SAPPORO CONTROL<br>127.5 - 246.1<br>134.25 - 260.4 | RNP AR<br>RF required. | MONBETSU RADIO<br>118.15<br>AFIS provided by<br>New Chitose Airport Office | NO RADAR |
|--|------------------------|--|----------|

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



Missed APCH climb gradient MNM 5.0%

| CAT | THR elev. 80 |      | AD elev. 58 |      |
|-----|--------------|------|-------------|------|
|     | RNP 0.10     |      | RNP 0.30    |      |
|     | DA(H)        | CMV  | DA(H)       | CMV  |
| A   | -            | -    | -           | -    |
| B   | -            | -    | -           | -    |
| C   | 384(304)     | 1400 | 653(573)    | 1600 |
| D   |              | 1600 |             | 1800 |

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

**Authorization Required**

CHANGE : VAR. PROC course. Missed APCH course. RNAV HLDG established.

## INSTRUMENT APPROACH CHART

RJEB / MONBETSU

RNP RWY14(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                                 | LUBEK               | -        | -              | -9.8               | -             | -              | +8000         | -            | -               | -            |
| 002           | TF                                 | EB450               | -        | 040<br>(030.0) | -9.8               | 16.0          | -              | +4200         | -            | -               | 1.0          |
| 003           | TF                                 | EB451               | -        | 040<br>(030.1) | -9.8               | 5.8           | -              | 3300          | -            | -               | 1.0          |
| 004           | TF                                 | EB452               | -        | 040<br>(030.2) | -9.8               | 1.5           | -              | 2836          | -165         | -3.00           | 0.10<br>0.30 |
| 005           | RF<br>Center:<br>EBRF1<br>r=2.30NM | EB453               | -        | -              | -9.8               | 4.8           | R              | 1303          | -            | -3.00           | 0.10<br>0.30 |
| 006           | TF                                 | EB454               | -        | 160<br>(150.4) | -9.8               | 0.6           | -              | 1112          | -            | -3.00           | 0.10<br>0.30 |
| 007           | RF<br>Center:<br>EBRF2<br>r=2.01NM | EB455               | -        | -              | -9.8               | 0.6           | L              | 906           | -            | -3.00           | 0.10<br>0.30 |
| 008           | TF                                 | RW14                | Y        | 142<br>(132.0) | -9.8               | 2.4           | -              | 130           | -            | -3.00/50        | 0.10<br>0.30 |
| 009           | TF                                 | EB456               | -        | 142<br>(132.0) | -9.8               | 6.9           | -              | -             | -            | -               | 1.0          |
| 010           | TF                                 | EB457               | -        | 227<br>(216.9) | -9.8               | 8.0           | -              | -             | -            | -               | 1.0          |
| 011           | TF                                 | LUBEK               | -        | 261<br>(251.0) | -9.8               | 19.6          | -              | 8000          | -            | -               | 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 | LUBEK               | 056<br>(046.6)        | -9.8               | 1.0 (-14000)        | R              | 8000                  | FL140                 | -230<br>(-14000) | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| LUBEK               | 440108.77N / 1425822.82E | EBRF1                    | 442006.33N / 1431723.55E |
| EB450               | 441459.20N / 1430931.88E | EBRF2                    | 442143.27N / 1432301.39E |
| EB451               | 442000.44N / 1431336.15E |                          |                          |
| EB452               | 442115.89N / 1431437.46E |                          |                          |
| EB453               | 442114.78N / 1432010.52E |                          |                          |
| EB454               | 442043.51N / 1432035.39E |                          |                          |
| EB455               | 442013.50N / 1432109.15E |                          |                          |
| RW14                | 441835.73N / 1432340.93E |                          |                          |
| EB456               | 441358.25N / 1433050.46E |                          |                          |
| EB457               | 440734.71N / 1432409.46E |                          |                          |

CHANGE : VAR. PROC course. RNAV HLDG established. Missed APCH course.

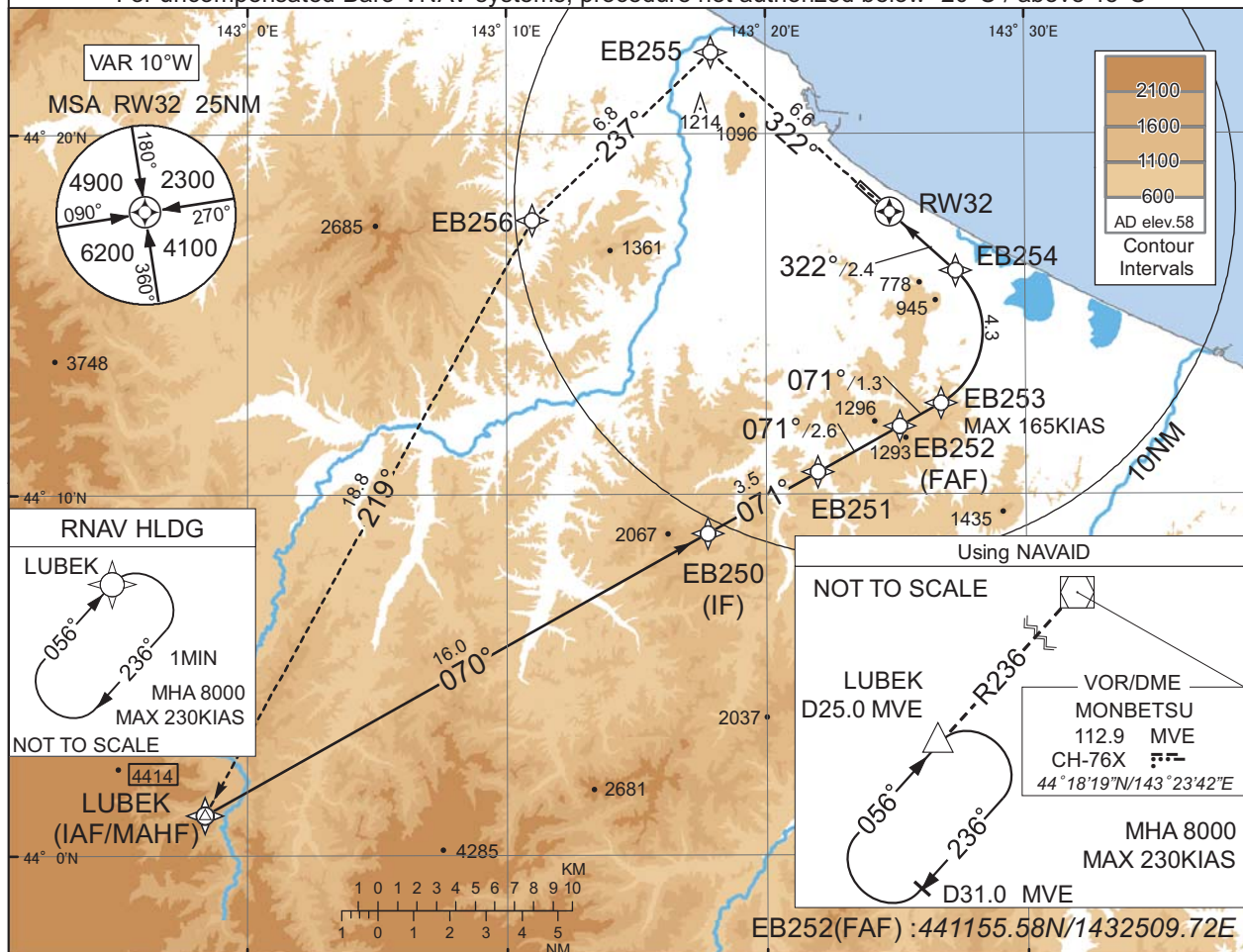


## RJEB / MONBETSU

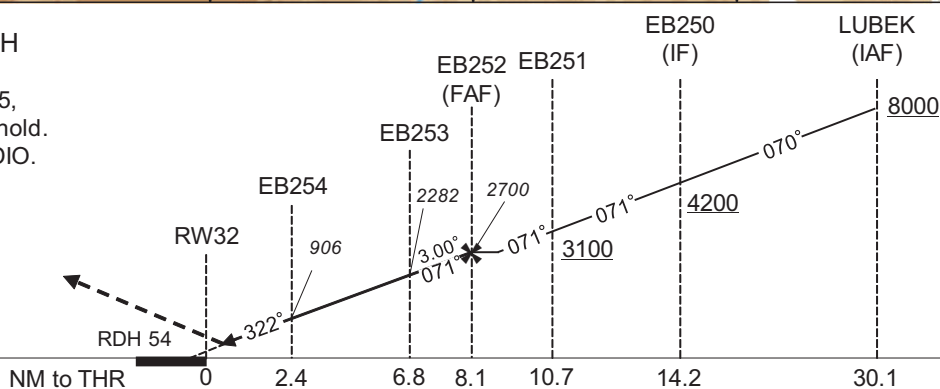
RNP RWY32(AR)

|  |                        |  |          |
|--|------------------------|--|----------|
| SAPPORO CONTROL<br>127.5 - 246.1<br>134.25 - 260.4 | RNP AR<br>RF required. | MONBETSU RADIO<br>118.15<br>AFIS provided by<br>New Chitose Airport Office | NO RADAR |
|--|------------------------|--|----------|

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



Climb to 8000FT, to EB255,  
to EB256, to LUBEK and hold.  
Contact MONBETSU RADIO.



Missed APCH climb gradient MNM 4.0%

| MINIMA |          | THR elev. 72 |          | AD elev. 58 |      |
|--------|----------|--------------|----------|-------------|------|
| CAT    | RNP 0.14 |              | RNP 0.30 |             |      |
|        | DA(H)    | RVR/CMV      | DA(H)    | RVR/CMV     |      |
| A      | -        | -            | -        | -           |      |
| B      |          |              |          |             |      |
| C      | 372(300) | 1000         | 606(534) |             | 1200 |
| D      |          | 1400         |          |             | 1600 |

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

## Authorization Required

## INSTRUMENT APPROACH CHART

RJEB / MONBETSU

RNP RWY32(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                                 | LUBEK               | -        | -              | -9.8               | -             | -              | +8000         | -            | -               | -            |
| 002           | TF                                 | EB250               | -        | 070<br>(060.6) | -9.8               | 16.0          | -              | +4200         | -            | -               | 1.0          |
| 003           | TF                                 | EB251               | -        | 071<br>(060.8) | -9.8               | 3.5           | -              | +3100         | -            | -               | 1.0          |
| 004           | TF                                 | EB252               | -        | 071<br>(060.8) | -9.8               | 2.6           | -              | 2700          | -            | -               | 1.0          |
| 005           | TF                                 | EB253               | -        | 071<br>(060.9) | -9.8               | 1.3           | -              | 2282          | -165         | -3.00           | 0.14<br>0.30 |
| 006           | RF<br>Center:<br>EBRF3<br>r=2.27NM | EB254               | -        | -              | -9.8               | 4.3           | L              | 906           | -            | -3.00           | 0.14<br>0.30 |
| 007           | TF                                 | RW32                | Y        | 322<br>(312.1) | -9.8               | 2.4           | -              | 126           | -            | -3.00/54        | 0.14<br>0.30 |
| 008           | TF                                 | EB255               | -        | 322<br>(312.0) | -9.8               | 6.6           | -              | -             | -            | -               | 1.0          |
| 009           | TF                                 | EB256               | -        | 237<br>(226.8) | -9.8               | 6.8           | -              | -             | -            | -               | 1.0          |
| 010           | TF                                 | LUBEK               | -        | 219<br>(208.8) | -9.8               | 18.8          | -              | 8000          | -            | -               | 1.0          |

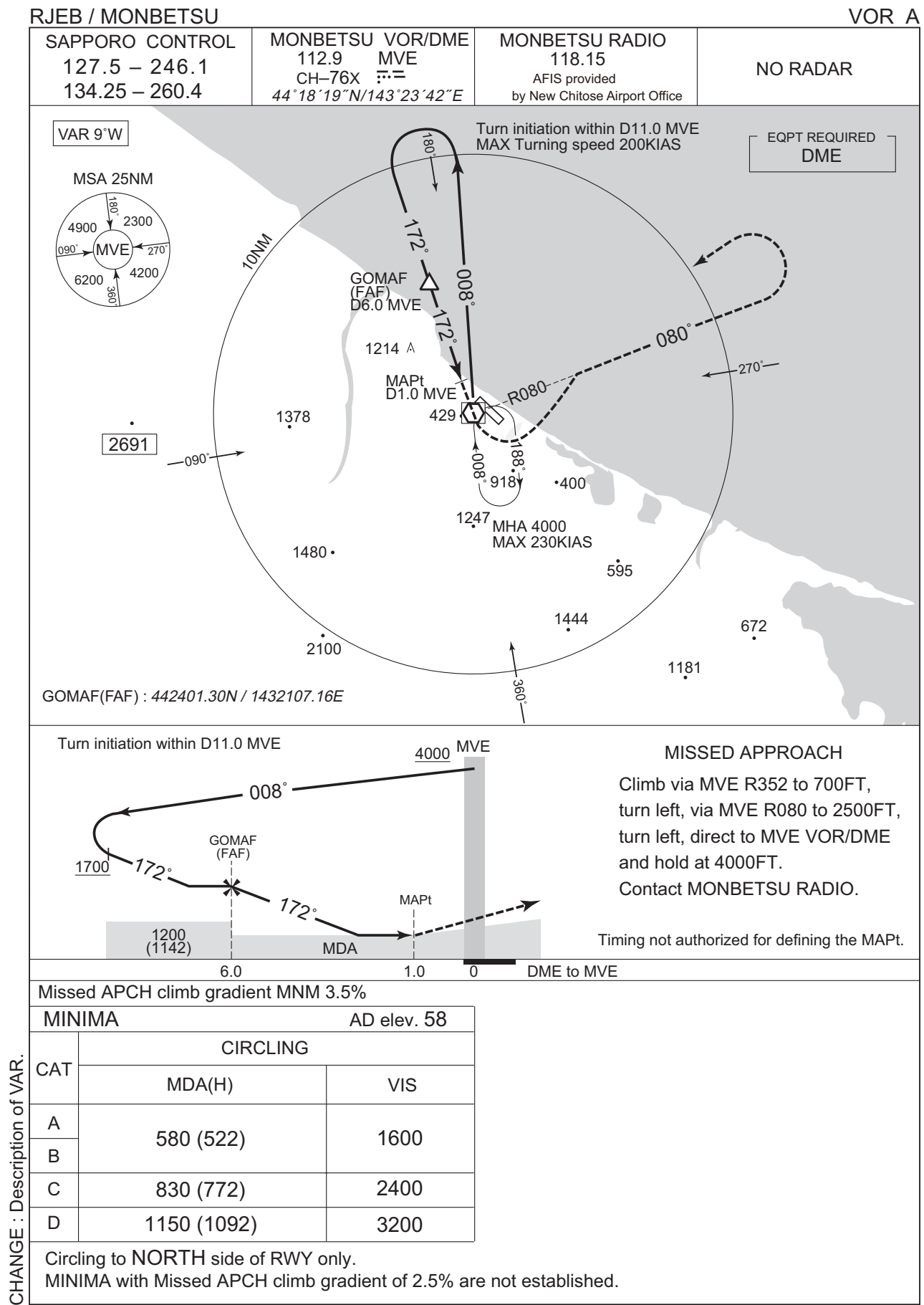
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)     | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|------------------|-----------|
| Hold | LUBEK               | 056<br>(046.6)        | -9.8               | 1.0 (-14000)        | R              | 8000                  | FL140                 | -230<br>(-14000) | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| LUBEK               | 440108.77N / 1425822.82E | EBRF3                    | 441432.89N / 1432513.59E |
| EB250               | 440857.66N / 1431745.13E |                          |                          |
| EB251               | 441039.77N / 1432200.05E |                          |                          |
| EB252               | 441155.58N / 1432509.72E |                          |                          |
| EB253               | 441233.80N / 1432645.48E |                          |                          |
| EB254               | 441614.19N / 1432720.26E |                          |                          |
| RW32                | 441752.44N / 1432448.06E |                          |                          |
| EB255               | 442218.71N / 1431754.45E |                          |                          |
| EB256               | 441739.47N / 1431100.00E |                          |                          |

CHANGE : VAR. PROC course. RNAV HLDG established. Missed APCH course.

INSTRUMENT APPROACH CHART



RJEB / MONBETSU

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 : Call sign(REMOTE→RADIO). | Call sign           | BRG / DIST from ARP | Remarks                          |
|-----------------------------------|---------------------|---------------------|----------------------------------|
|                                   | 沙留<br>Saru          | 317°T / 11.3NM      | 岬<br>Cape                        |
|                                   | 渚滑<br>Shokotsu      | 323°T / 5.8NM       | 渚滑川河口<br>Mouth of Shokotsu river |
|                                   | コムケ湖<br>Komukeko    | 123°T / 5.5NM       | 湖<br>Lake                        |
|                                   | 上渚滑<br>Kamishokotsu | 242°T / 7.3NM       | 橋<br>Bridge                      |
|                                   | 竜宮台<br>Ryugudai     | 114°T / 18.0NM      | 灯台<br>Lighthouse                 |
|                                   | 鴻之舞<br>Kounomai     | 193°T / 10.6NM      | 発電所<br>Power Station             |
|                                   | 遠軽<br>Engaru        | 161°T / 15.5NM      | 駅<br>JR Station                  |

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Minimum Vectoring Altitude CHART

CHANGE : Description of VAR.

