

## AD CHART

**MONBETSU AP**

TRUE NORTH

APRON FLOOD LGT

TERMINAL BLDG.

WIND SPEED METER

WIND SPEED METER

CEILOMETER

RTHL

WDI

RVR

RWY DISTANCE MARKER LGT

1V6

1Δ6

2V75

2Δ5

3V4

3Δ4

4V3

4Δ3

5V2

5Δ2

6V1

6Δ1

PAPI Angle 3.0°

MEHT 18.5m(61ft)

PAPI Angle 3.0°

MEHT 18.5m(61ft)

391.6m

PAPI Angle 3.0°

MEHT 18.5m(61ft)

REMARKS : RWY GROOVING 2000m x 45m  
STRENGTH OF RWY PCR698/F/D/X/T  
WIDTH & STRENGTH OF TWY PCR590/F/C/X/T  
23m  
DIMENSION & STRENGTH OF APRON 135m x 90m  
PCR740/R/B/W/T

VOR/DME

SALS

APCH LGT BCN

14

32

SEQUENCED FLASHING LGT (SFL-V)

PALS

900m

420m

180m

300m

0.752%

0.700%

RWY 14

79.95ft (24.37m)

55.77ft (17.00m)

71.85ft (21.90m)

71.85ft (21.90m)

LEVEL

2000m

1680m

980m

0m

LONGITUDINAL PROFILE OF RWY

**INTENTIONALLY LEFT BLANK**

STANDARD DEPARTURE CHART-INSTRUMENT

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SID and TRANSITION

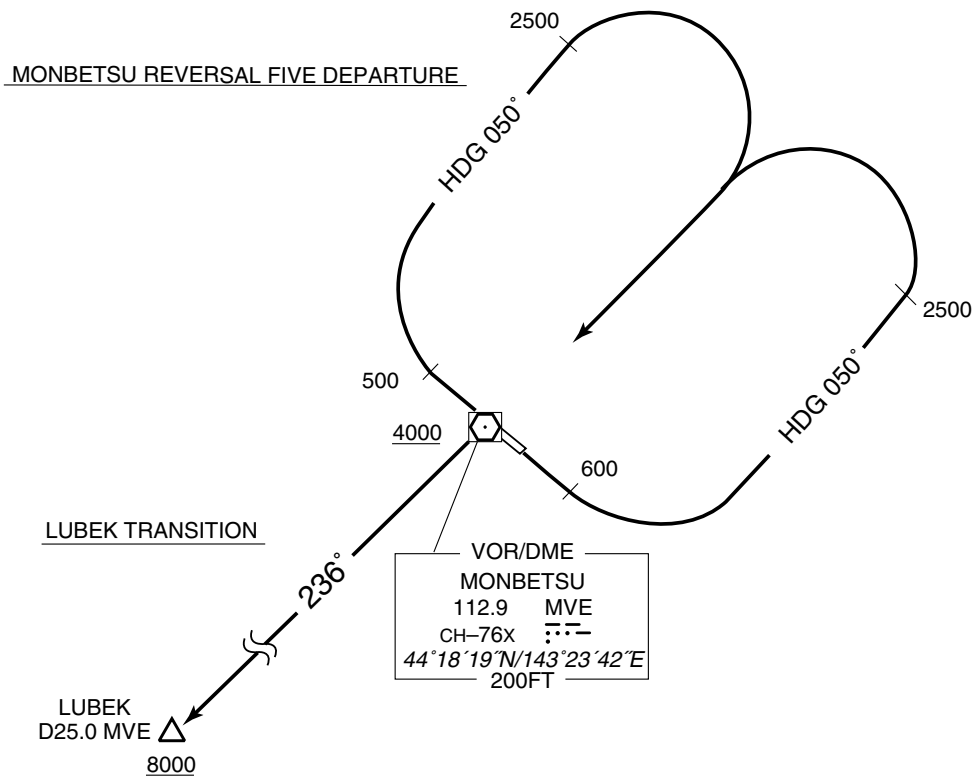
MONBETSU REVERSAL FIVE DEPARTURE

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

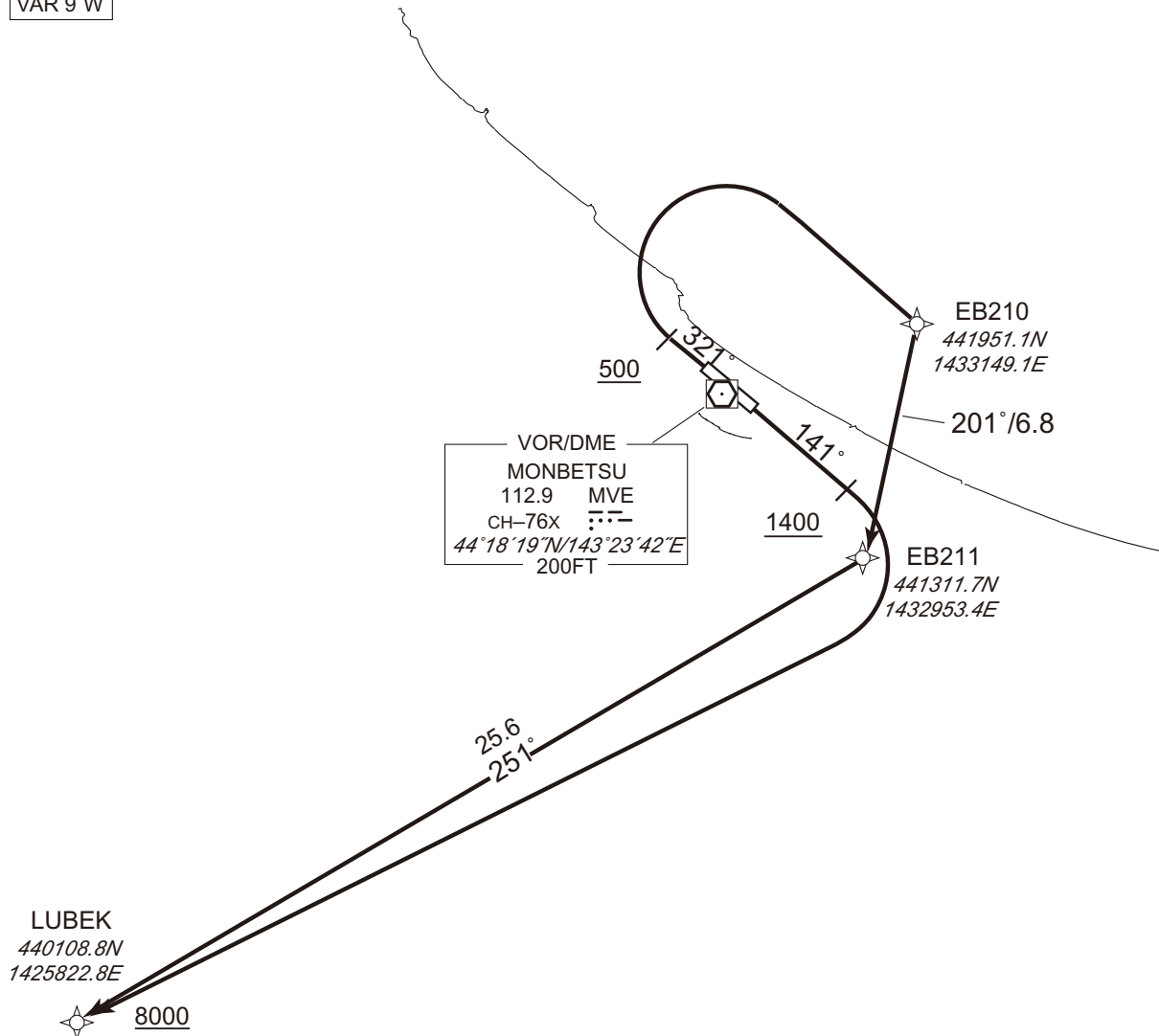
From over MVE VOR/DME, proceed via MVE R236 to LUBEK.  
Cross LUBEK at or above 8000FT.



RJEB / MONBETSURNAV SID

## RNP1

VAR 9°W



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

CHANGE : Navigation Specification(Basic RNP1  $\rightarrow$  RNP1).

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 (132.0)	-9.2	-	-	+1400	-	-	RNP1
002	DF	LUBEK	-	-	-9.2	-	R	+8000	-	-	RNP1

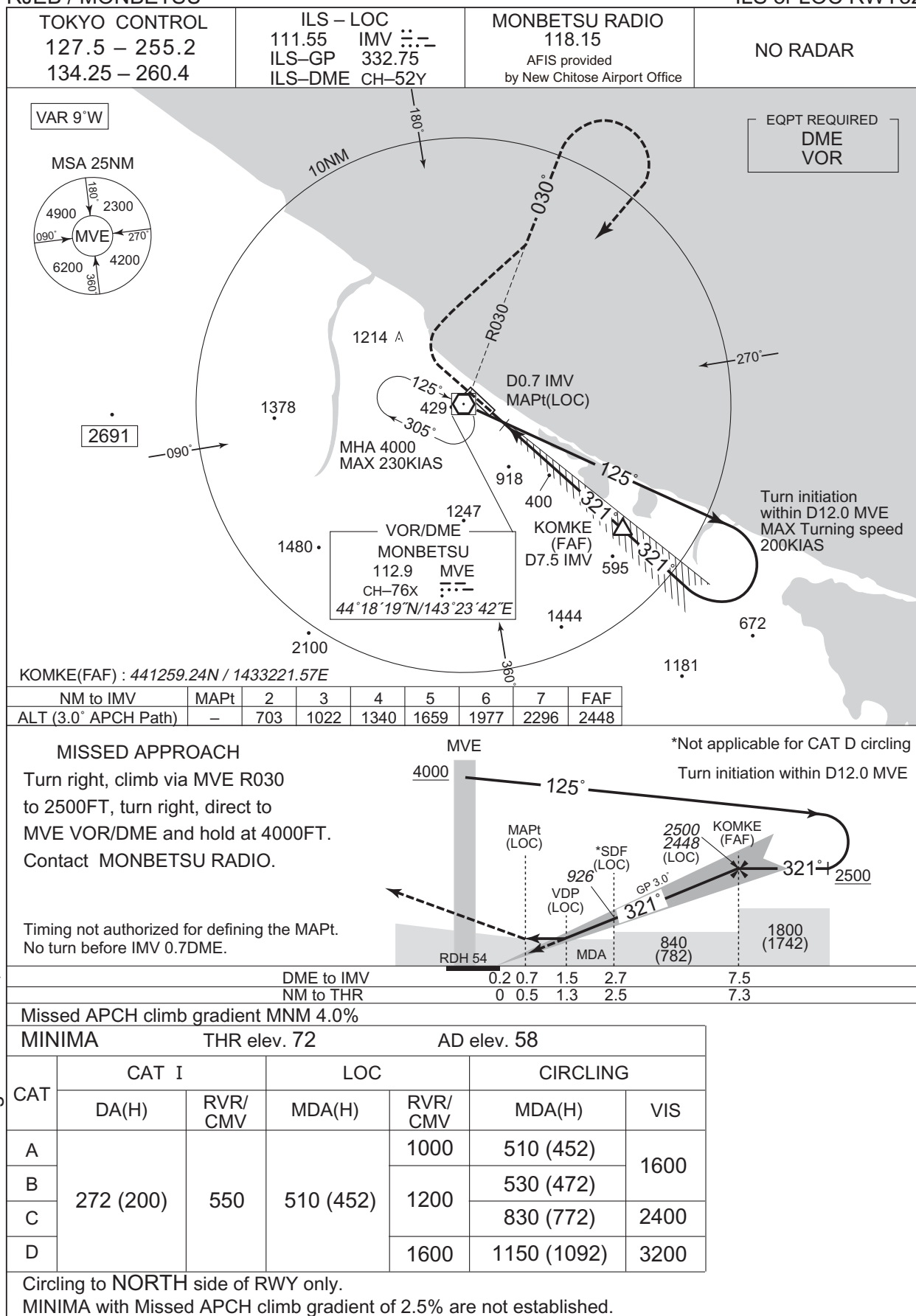
RWY32

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 (312.0)	-9.2	-	-	+500	-	-	RNP1
002	DF	EB210	-	-	-9.2	-	R	-	-	-	RNP1
003	TF	EB211	-	201 (191.7)	-9.2	6.8	-	-	-	-	RNP1
004	TF	LUBEK	-	251 (242.1)	-9.2	25.6	-	+8000	-	-	RNP1

## INSTRUMENT APPROACH CHART

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ILS or LOC RWY32

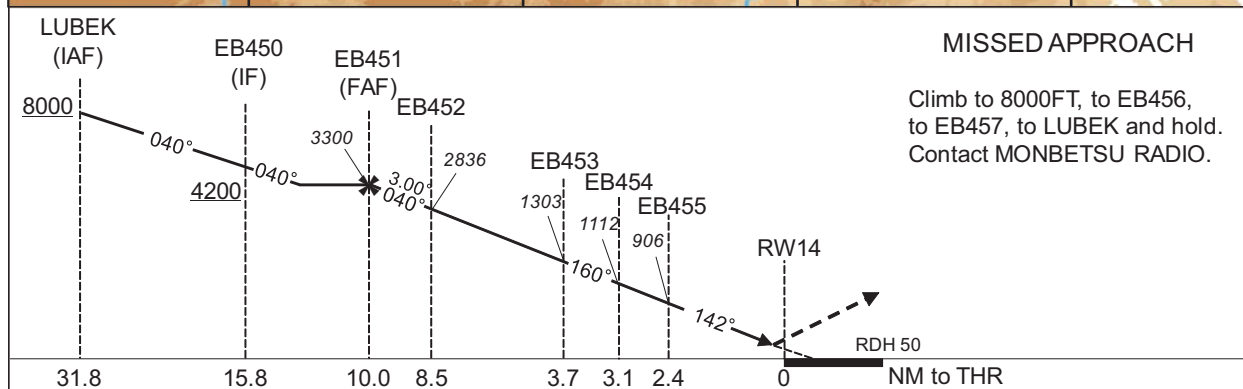
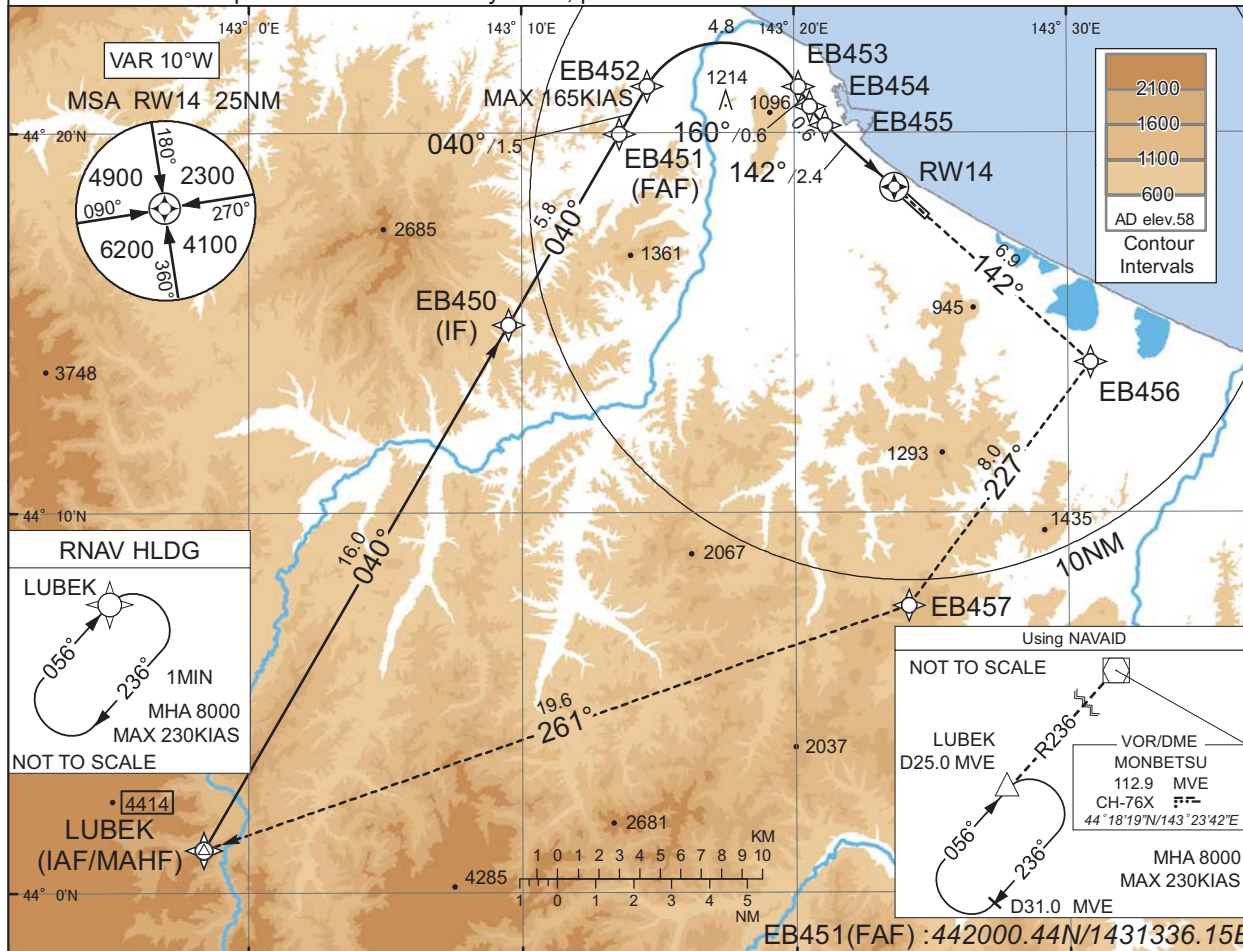


## RJEB / MONBETSU

RNP RWY14(AR)

TOKYO CONTROL 127.5 - 255.2 134.25 - 260.4	RNP AR RF required.	MONBETSU RADIO 118.15 AFIS provided by New Chitose Airport Office	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C



Missed APCH climb gradient MNM 5.0%				
MINIMA		THR elev. 80	AD elev. 58	
CAT	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 : ATC call sign and FREQ.

## INSTRUMENT APPROACH CHART

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

Waypoint Coordinates

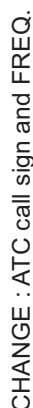
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
LUBEK	440108.77N / 1425822.82E	EBRF1	442006.33N / 1431723.55E
EB450	441459.20N / 1430931.88E	EBRF2	442143.27N / 1432301.39E
EB451	442000.44N / 1431336.15E		
EB452	442115.89N / 1431437.46E		
EB453	442114.78N / 1432010.52E		
EB454	442043.51N / 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)



## INSTRUMENT APPROACH CHART

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

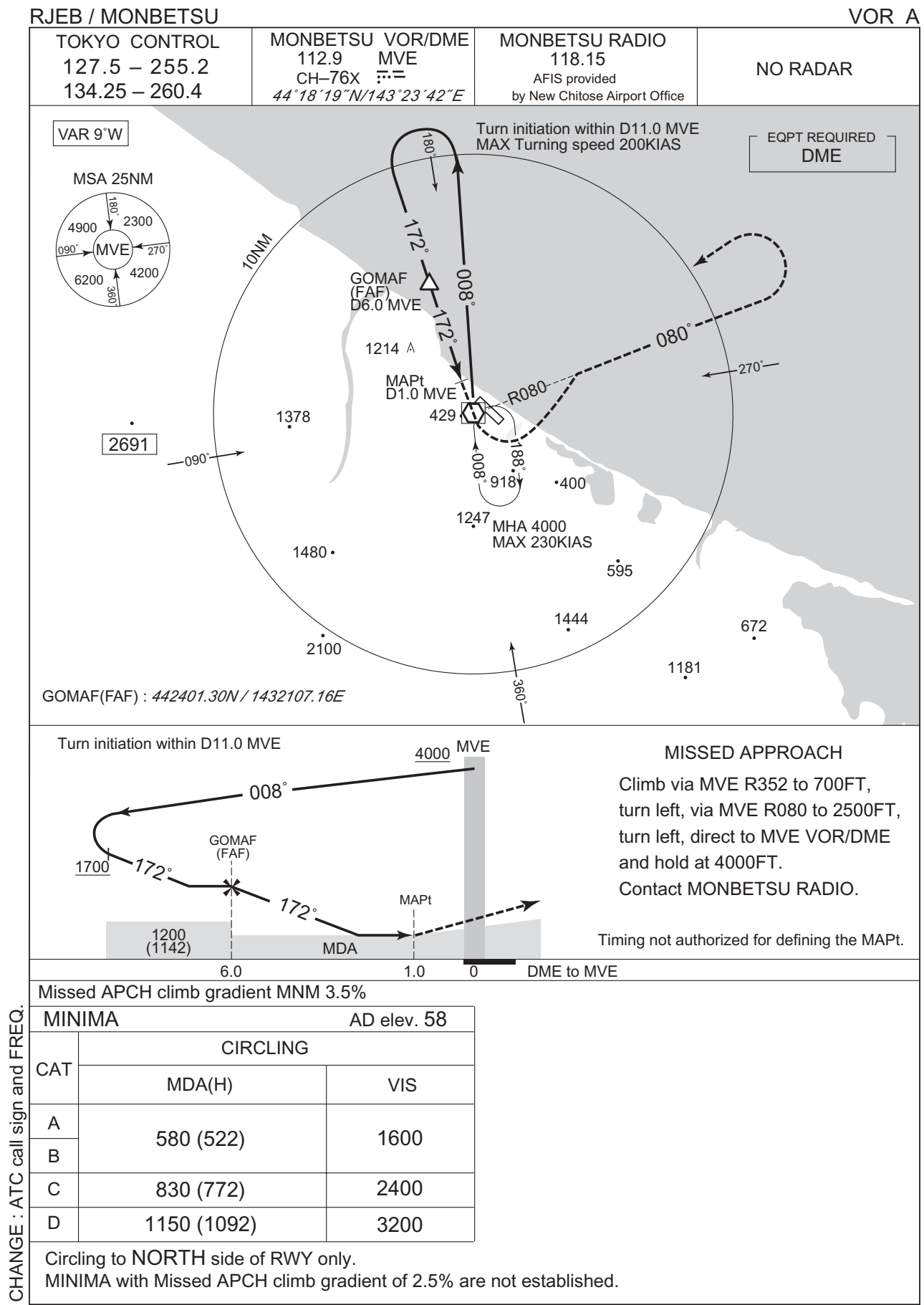
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	LUBEK	056 (046.6)	-9.8	1.0 (-14000)	R	8000	FL140	-230 (-14000)	1.0

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		

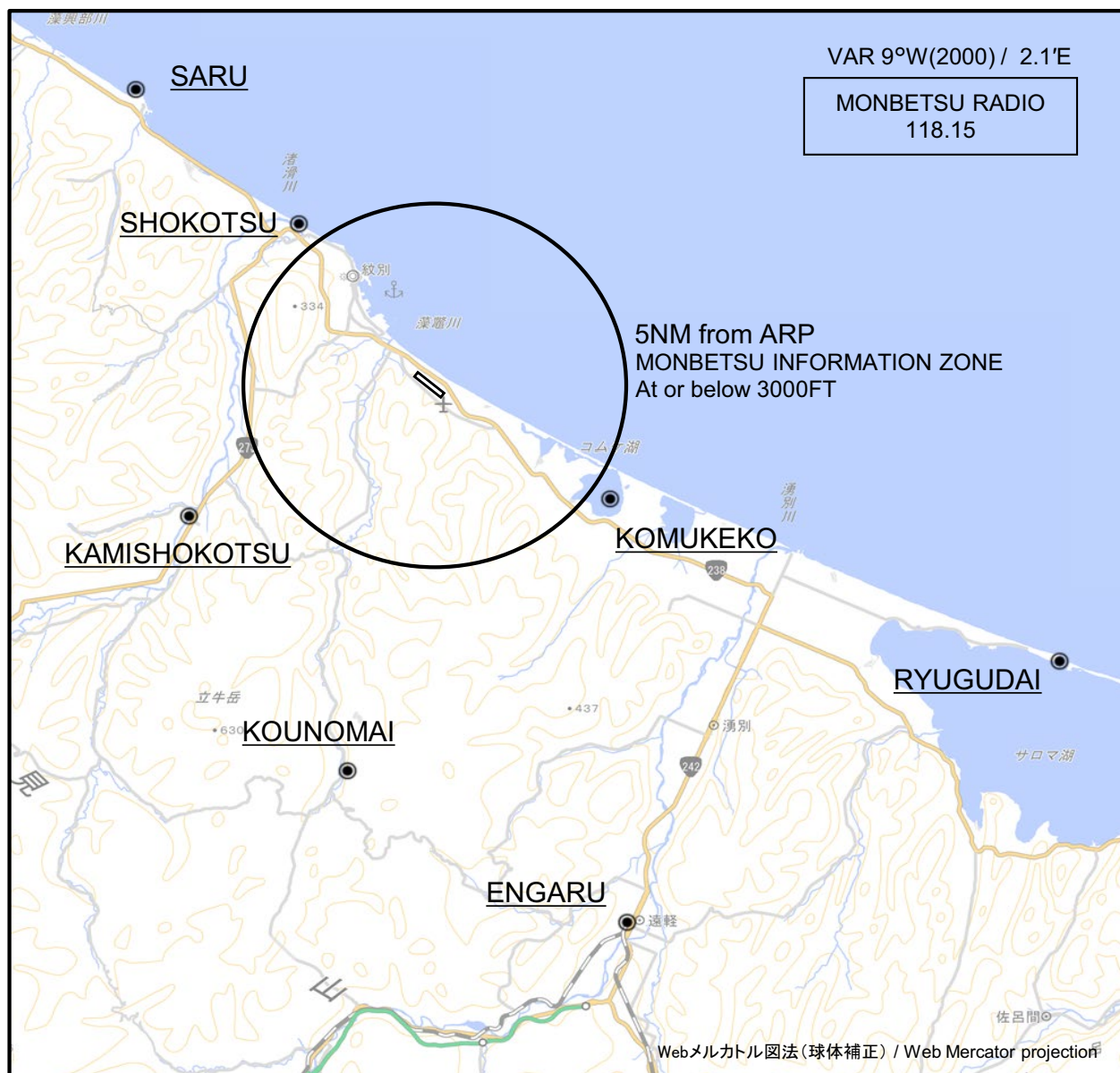
CHANGE : VAR. PROC course. RNAV HLDG established. Missed APCH course.

INSTRUMENT APPROACH CHART



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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 : Call sign(REMOTE→RADIO).

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

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Minimum Vectoring Altitude CHART

CHANGE : Description of VAR.

