

AD CHART



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.

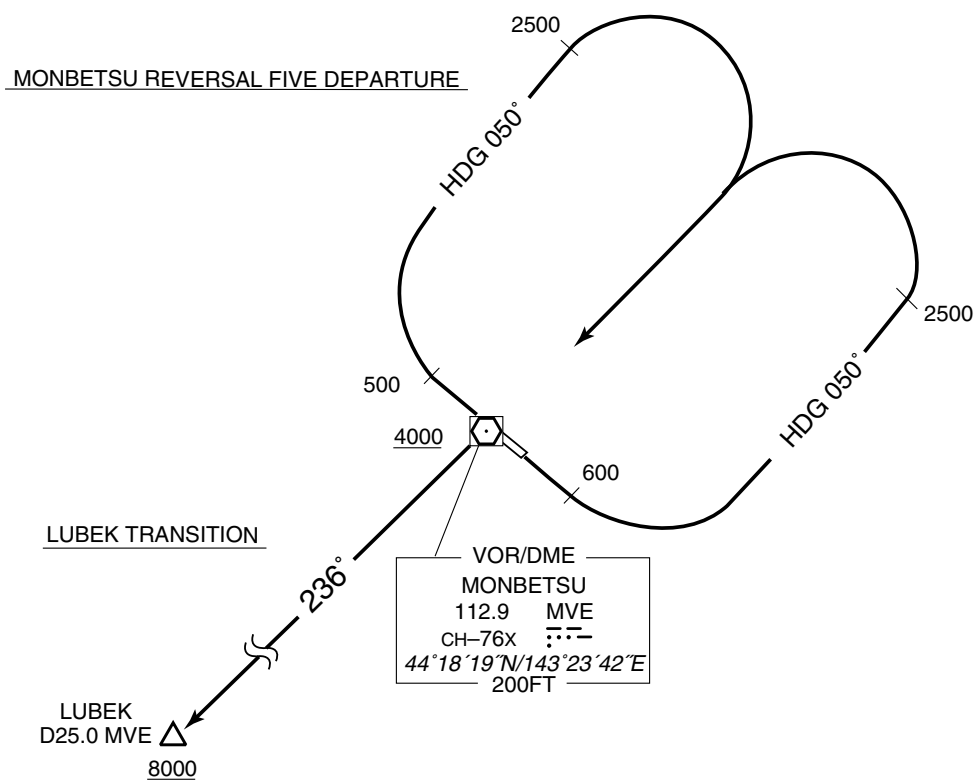
RWY32: 4.3% climb gradient required up to 800FT.

OBST ALT 657FT located at 3.5NM 316° FM end of RWY32.

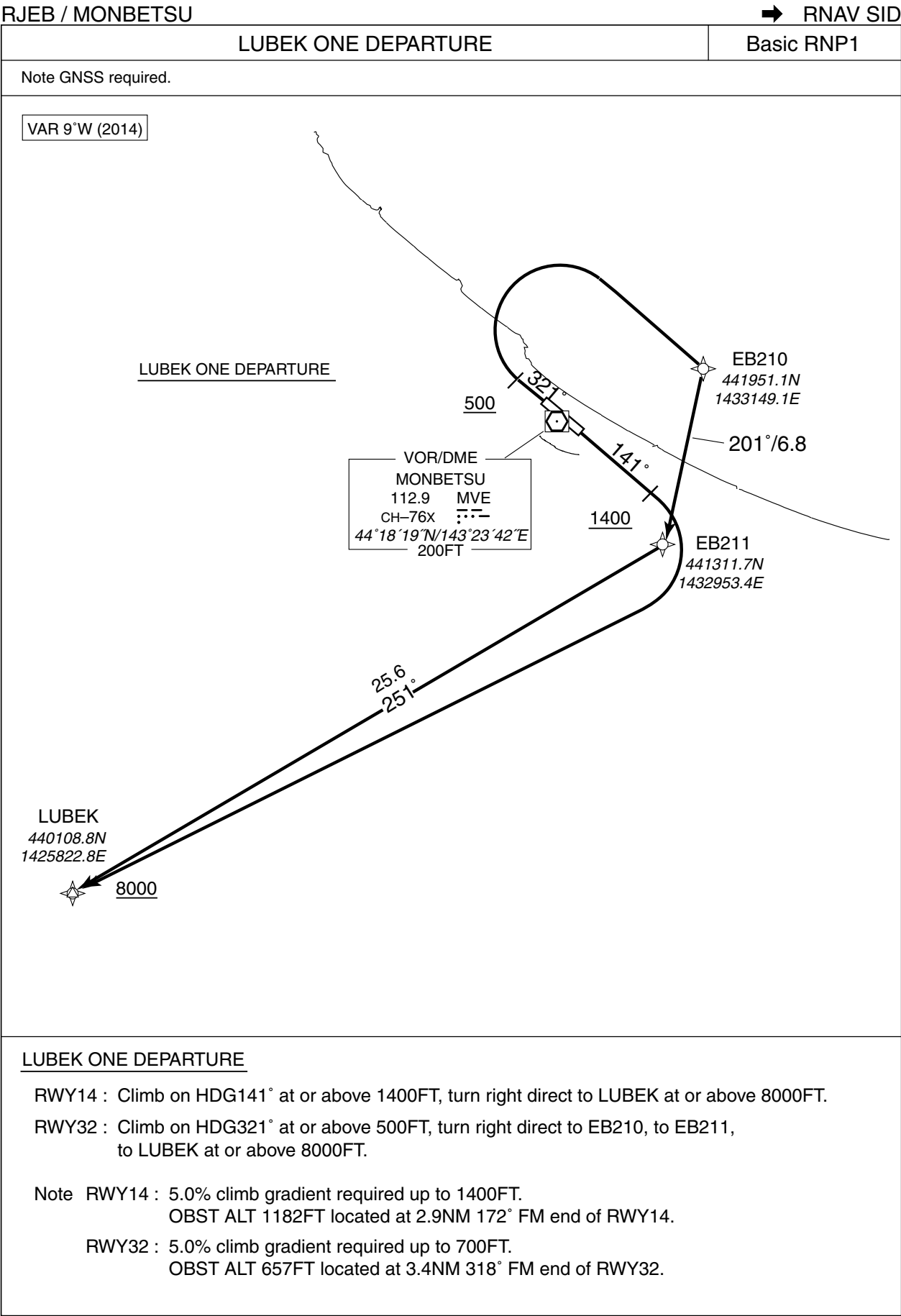
LUBEK TRANSITION

From over MVE VOR/DME, proceed via MVE R236 to LUBEK.

Cross LUBEK at or above 8000FT.



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➡ 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	—	—	Basic RNP1
002	DF	LUBEK	—	—	-9.2	—	R	+8000	—	—	Basic RNP1

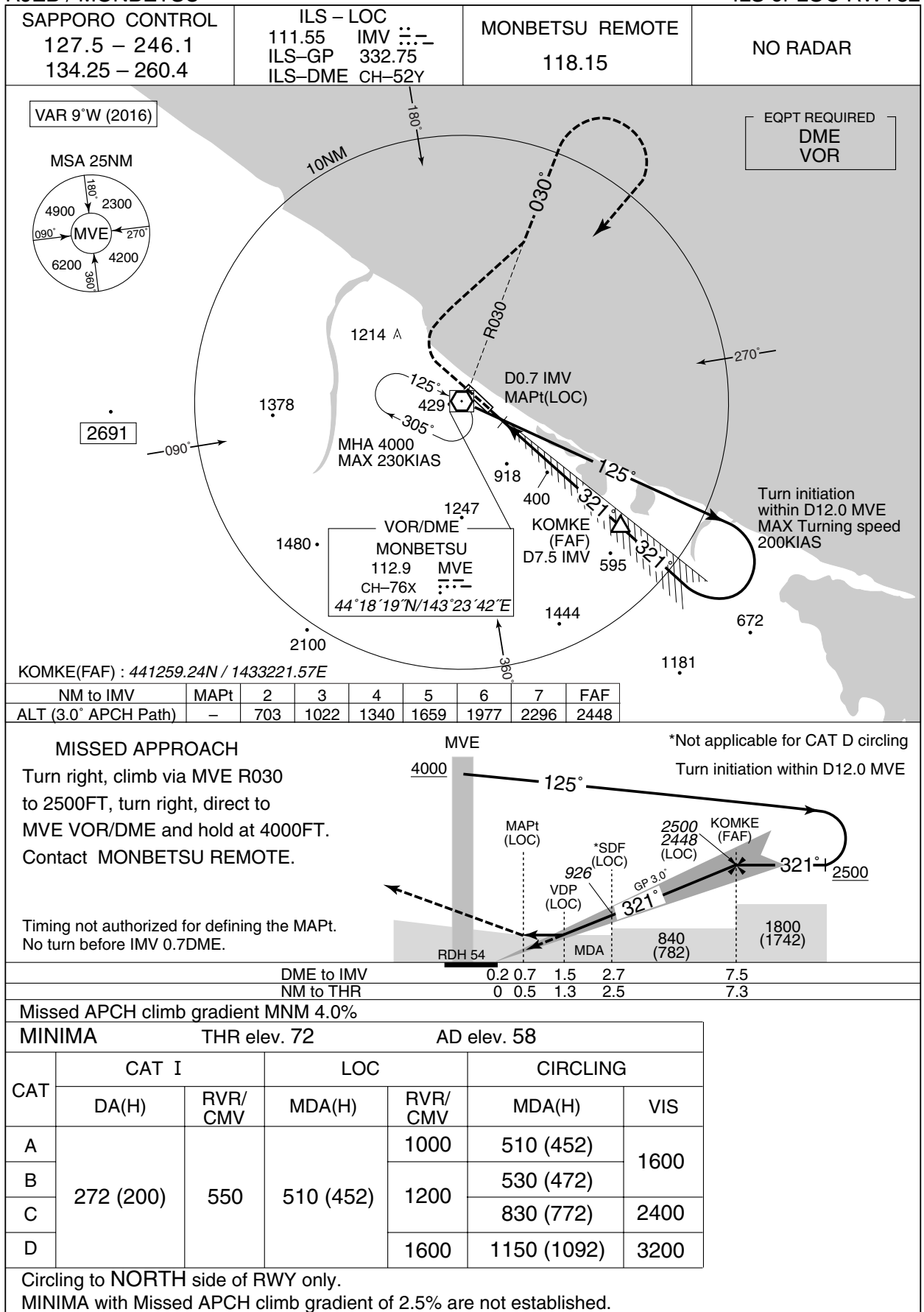
RWY32

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

INSTRUMENT APPROACH CHART

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ILS or LOC RWY32



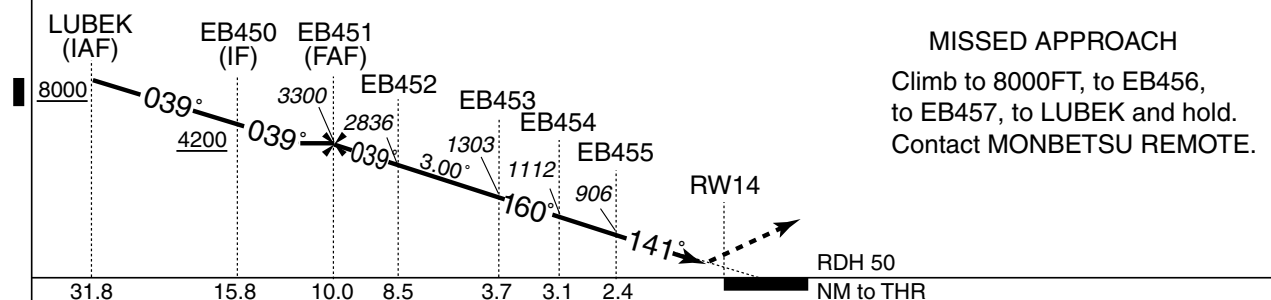
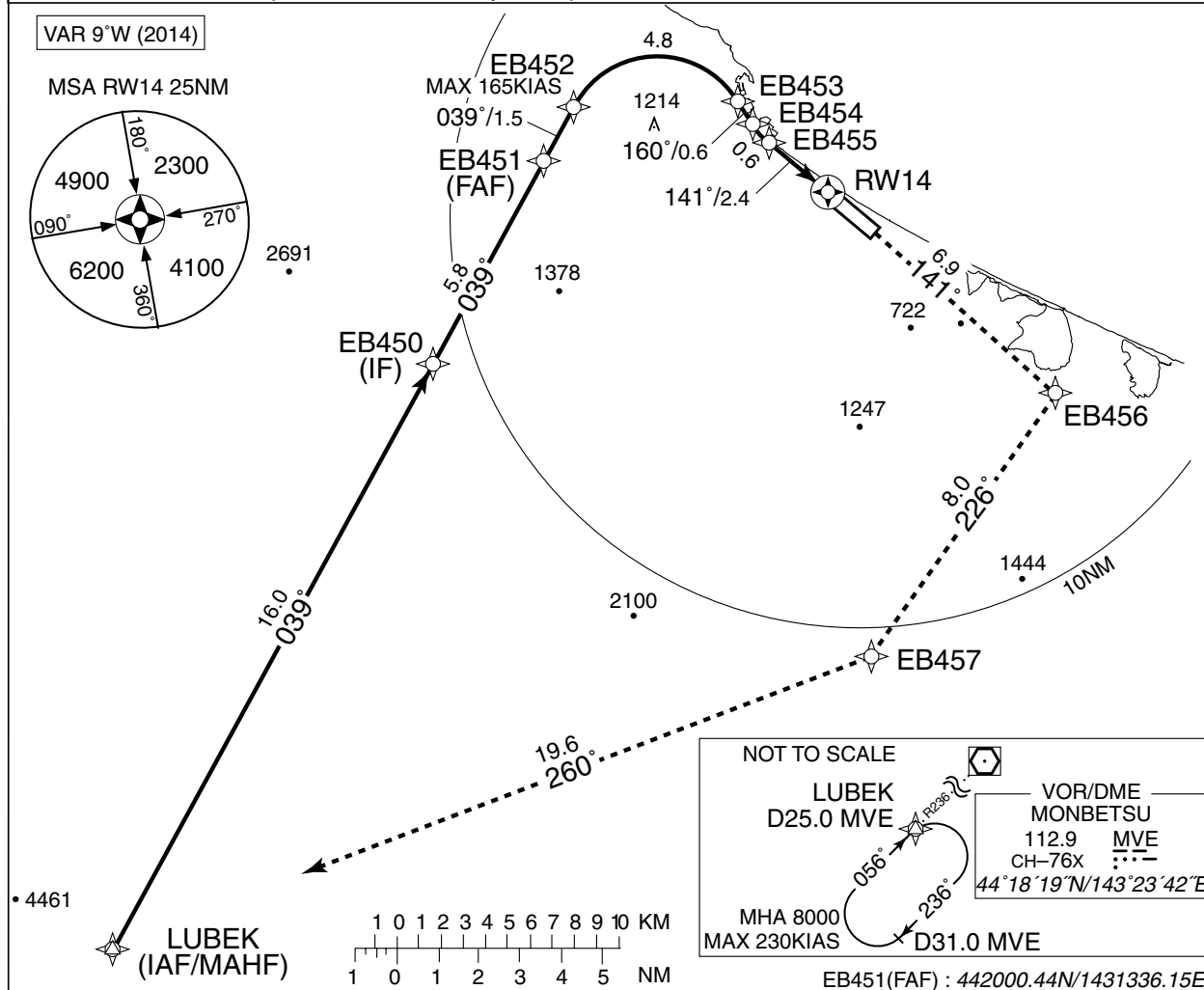
INSTRUMENT APPROACH CHART

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RNAV(RNP) RWY14

SAPPORO CONTROL 127.5 – 246.1 134.25 – 260.4	GNSS and RF required.	MONBETSU REMOTE 118.15	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%

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.

RNP AR

Special Authorization Required

INSTRUMENT APPROACH CHART

RJEB / MONBETSU

RNAV(RNP) RWY14

RNAV(RNP) RWY14Coding 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	—	—	-9.2	—	—	+8000	—	—	—
002	TF	EB450	—	039 (030.0)	-9.2	16.0	—	+4200	—	—	1.0
003	TF	EB451	—	039 (030.1)	-9.2	5.8	—	3300	—	—	1.0
004	TF	EB452	—	039 (030.2)	-9.2	1.5	—	2836	-165	-3.00	0.10 0.30
005	RF Center: EBRF1 r=2.30NM	EB453	—	—	-9.2	4.8	R	1303	—	-3.00	0.10 0.30
006	TF	EB454	—	160 (150.4)	-9.2	0.6	—	1112	—	-3.00	0.10 0.30
007	RF Center: EBRF2 r=2.01NM	EB455	—	—	-9.2	0.6	L	906	—	-3.00	0.10 0.30
008	TF	RW14	Y	141 (132.0)	-9.2	2.4	—	130	—	-3.00/50	0.10 0.30
009	TF	EB456	—	141 (132.0)	-9.2	6.9	—	—	—	—	1.0
010	TF	EB457	—	226 (216.9)	-9.2	8.0	—	—	—	—	1.0
011	TF	LUBEK	—	260 (251.0)	-9.2	19.6	—	8000	—	—	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		

INSTRUMENT APPROACH CHART

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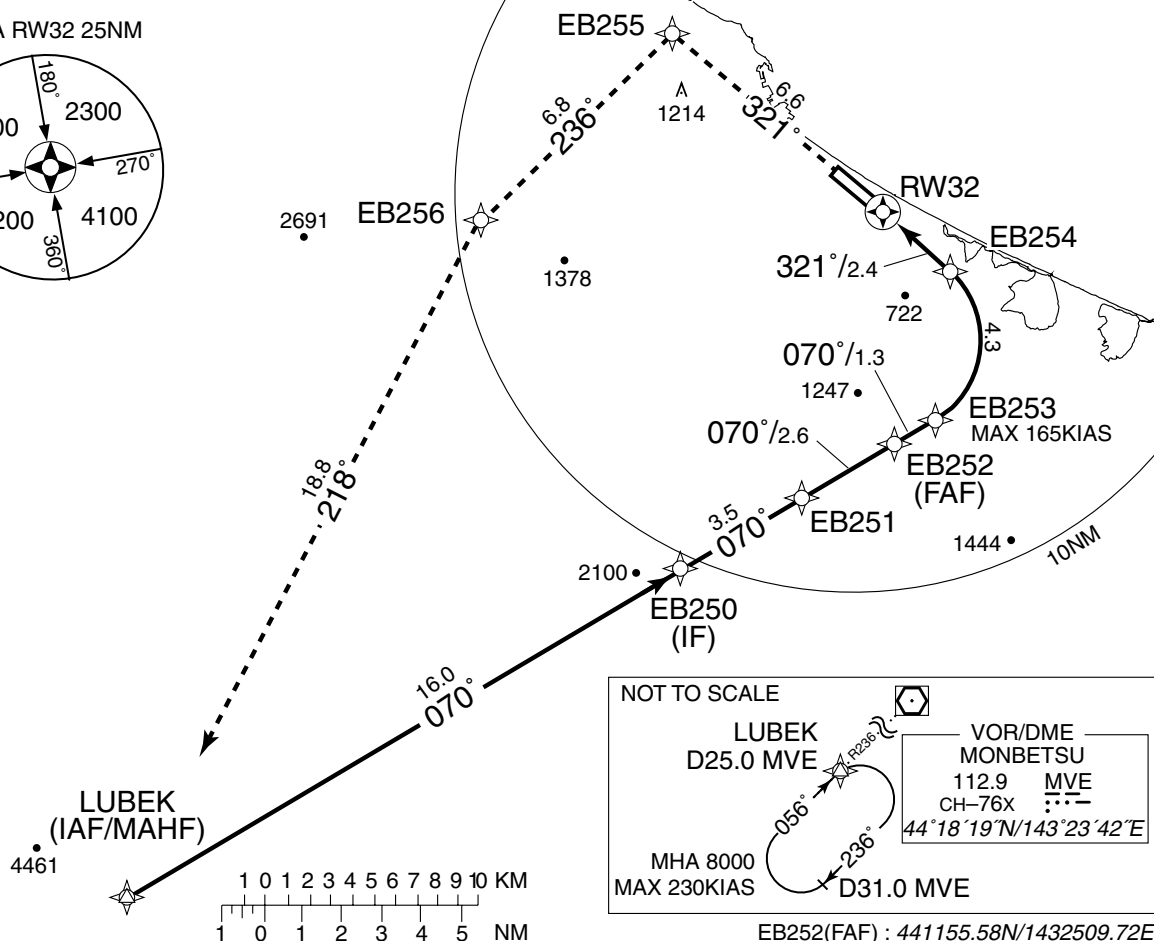
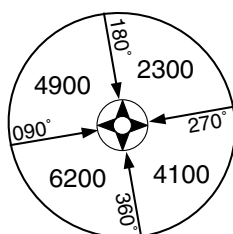
➔ RNAV(RNP) RWY32

SAPPORO CONTROL 127.5 – 246.1 134.25 – 260.4	GNSS and RF required.	MONBETSU REMOTE 118.15	NO RADAR
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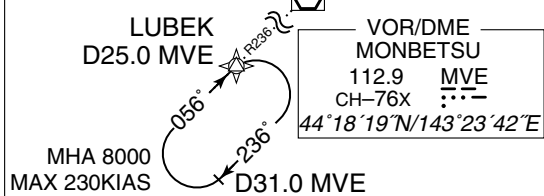
For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C

VAR 9°W (2014)

MSA RW32 25NM



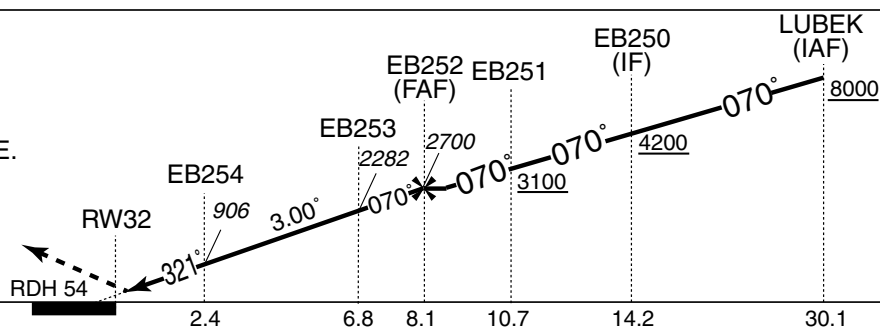
NOT TO SCALE



EB252(FAF) : 441155.58N/1432509.72E

MISSED APPROACH

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



NM to THR

2.4

6.8

8.1

10.7

14.2

30.1

Missed APCH climb gradient MNM 4.0%

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.

RNP AR

Special Authorization Required

INSTRUMENT APPROACH CHART

RJEB / MONBETSU

➡ RNAV(RNP) RWY32

RNAV(RNP) RWY32Coding 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	—	—	-9.2	—	—	+8000	—	—	—
002	TF	EB250	—	070 (060.6)	-9.2	16.0	—	+4200	—	—	1.0
003	TF	EB251	—	070 (060.8)	-9.2	3.5	—	+3100	—	—	1.0
004	TF	EB252	—	070 (060.8)	-9.2	2.6	—	2700	—	—	1.0
005	TF	EB253	—	070 (060.9)	-9.2	1.3	—	2282	-165	-3.00	0.14 0.30
006	RF Center: EBRF3 r=2.27NM	EB254	—	—	-9.2	4.3	L	906	—	-3.00	0.14 0.30
007	TF	RW32	Y	321 (312.1)	-9.2	2.4	—	126	—	-3.00/54	0.14 0.30
008	TF	EB255	—	321 (312.0)	-9.2	6.6	—	—	—	—	1.0
009	TF	EB256	—	236 (226.8)	-9.2	6.8	—	—	—	—	1.0
010	TF	LUBEK	—	218 (208.8)	-9.2	18.8	—	8000	—	—	1.0

Waypoint Coordinates

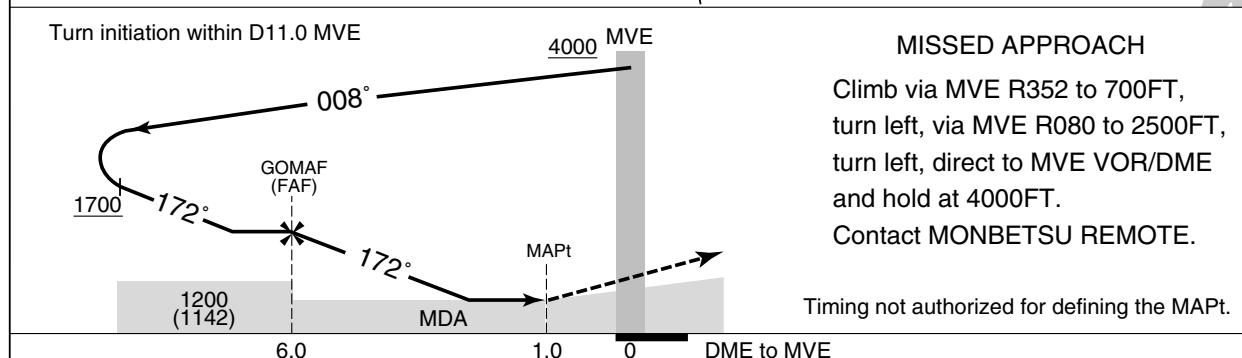
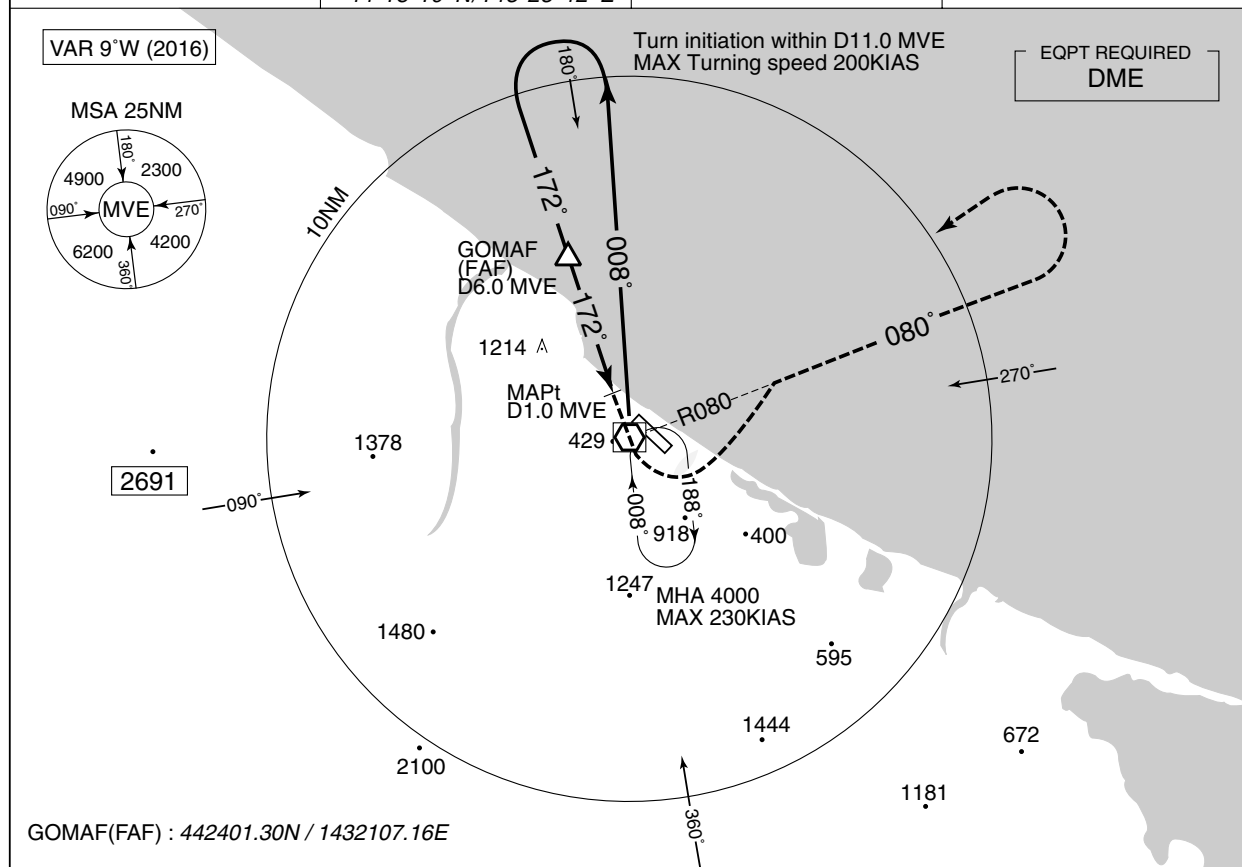
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
LUBEK	440108.77N/1425822.82E	EBRF3	441432.89N/1432513.59E
EB250	440857.66N/1431745.13E		
EB251	441039.77N/1432200.05E		
EB252	441155.58N/1432509.72E		
EB253	441233.80N/1432645.48E		
EB254	441614.19N/1432720.26E		
RW32	441752.44N/1432448.06E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

INSTRUMENT APPROACH CHART

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VOR A

SAPPORO CONTROL 127.5 – 246.1 134.25 – 260.4	MONBETSU VOR/DME 112.9 MVE CH-76X 44°18'19"N/143°23'42"E	MONBETSU REMOTE 118.15	NO RADAR
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Missed APCH climb gradient MNM 3.5%

MINIMA		AD elev. 58
CAT	CIRCLING	
	MDA(H)	VIS
A	580 (522)	1600
B		
C	830 (772)	2400
D	1150 (1092)	3200

Circling to NORTH side of RWY only.

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

RJEB / MONBETSU

Visual REP



Call sign	BRG / DIST from ARP	Remarks
渚滑 Shokotsu	320°/ 5.5NM	渚滑川河口 Mouth of Shokotsu river
上渚滑 Kamishokotsu	240°/ 7.0NM	橋 Bridge
コムケ湖 Komukeko	122°/ 5.5NM	湖 Lake
竜宮台 Ryuguudai	114°/18.7NM	灯台 Light house
遠軽 Engaru	160°/15.6NM	駅 JR Station
鴻之舞 Kounomai	192°/11.0NM	発電所 Power Station
沙留 Saru	318°/11.0NM	岬 Cape

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Minimum Vectoring Altitude CHART

