

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.

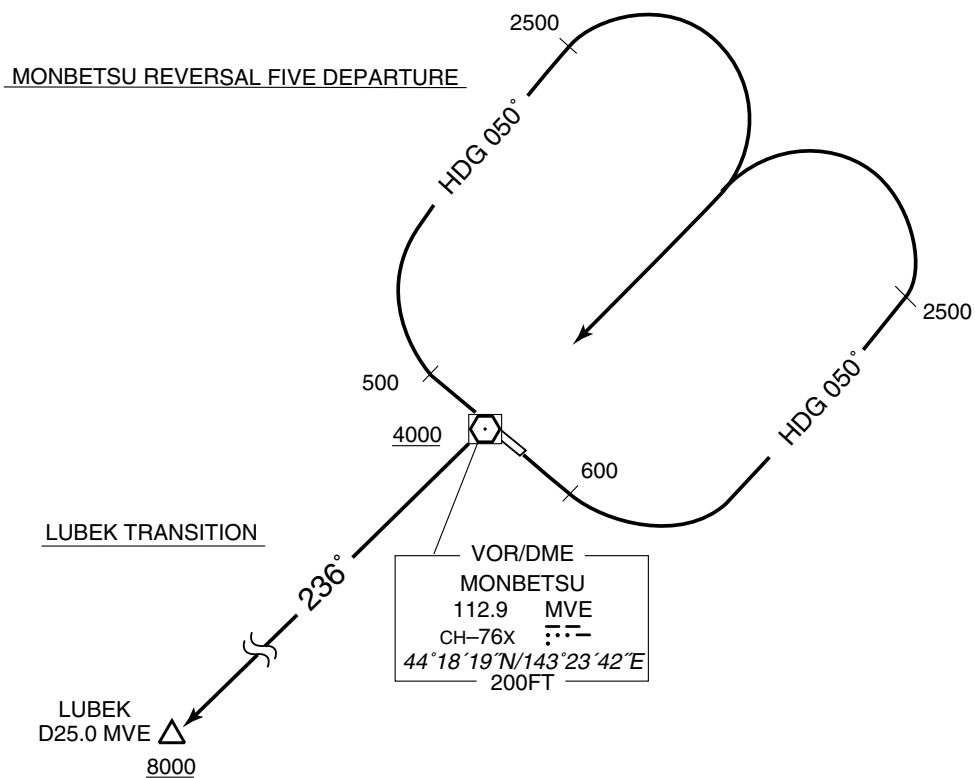
RWY32: 4.3% climb gradient required up to 800FT.

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

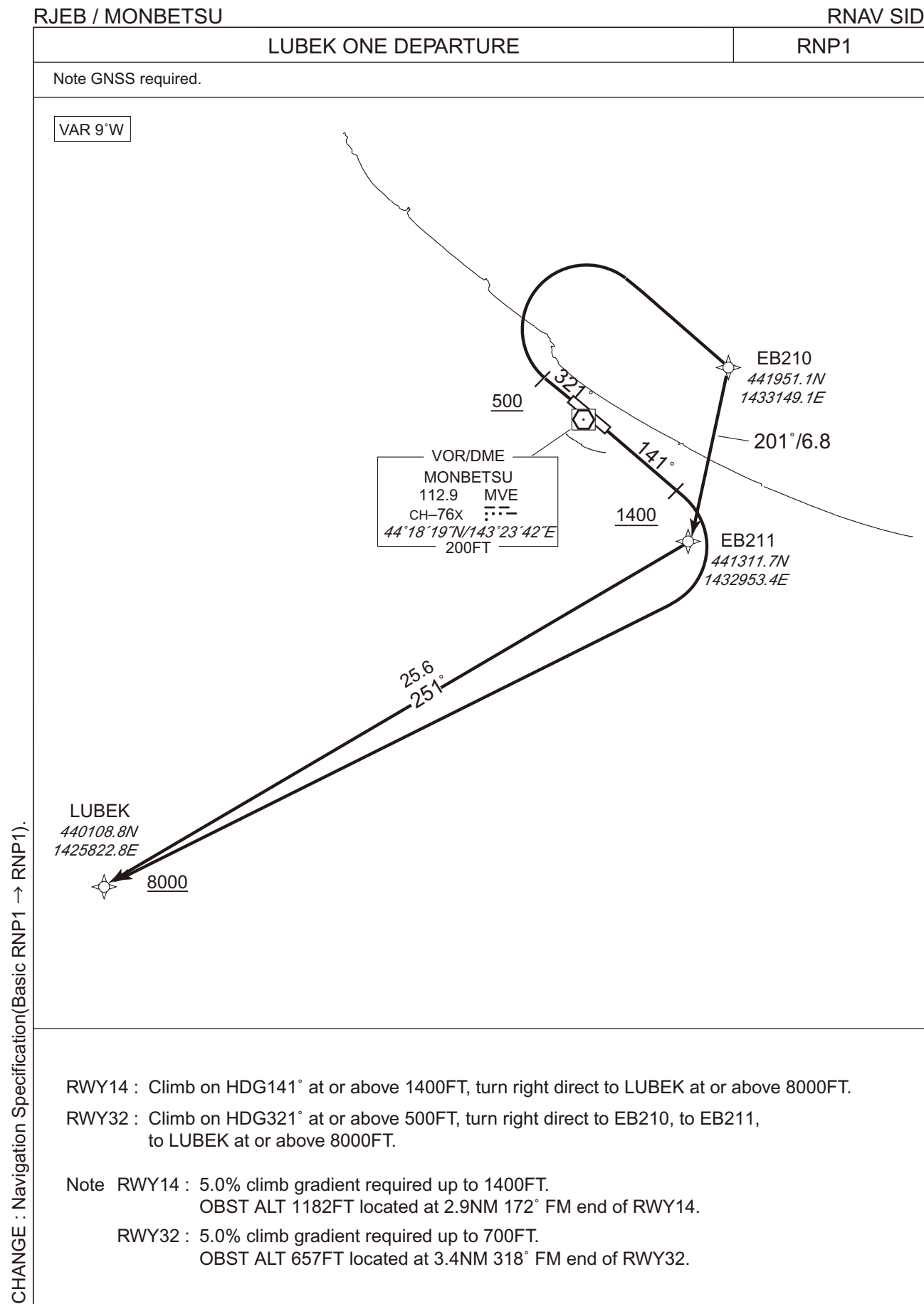
LUBEK TRANSITION

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

Cross LUBEK at or above 8000FT.



STANDARD DEPARTURE CHART-INSTRUMENT



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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	-	-	RNP1
002	DF	LUBEK	-	-	-9.2	-	R	+8000	-	-	RNP1

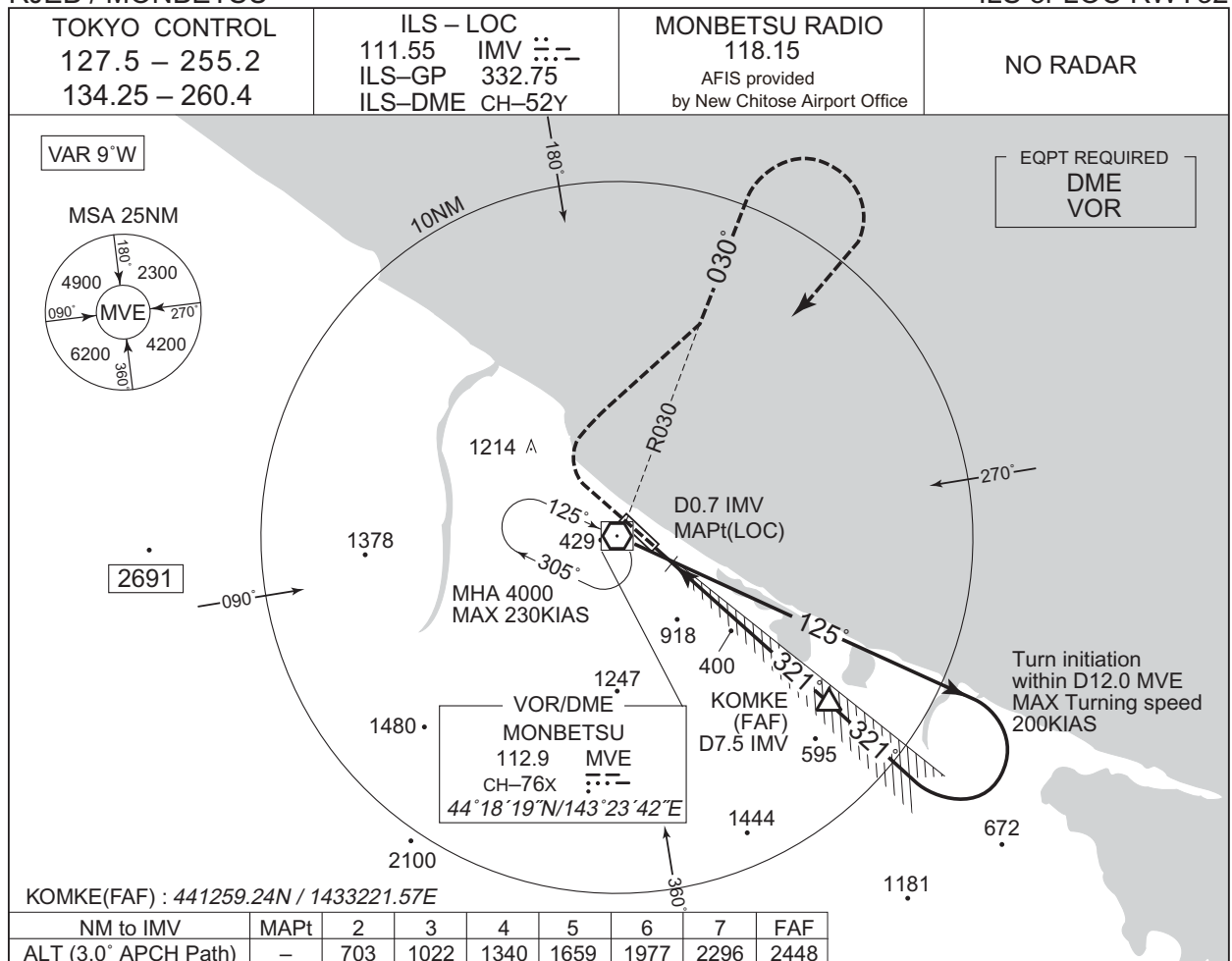
RWY32

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

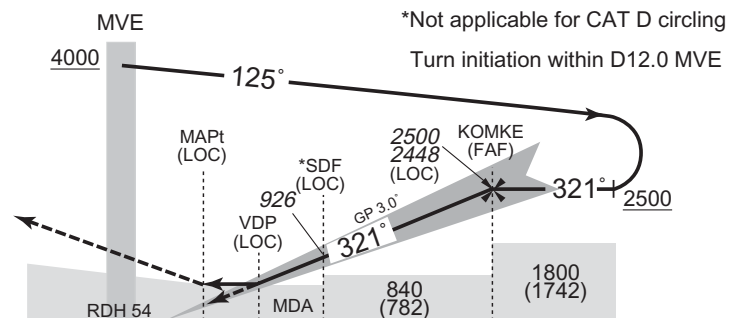
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ILS or LOC RWY32



MISSED APPROACH
 Turn right, climb via MVE R030 to 2500FT, turn right, direct to MVE VOR/DME and hold at 4000FT. Contact MONBETSU RADIO.

Timing not authorized for defining the MAPt.
 No turn before IMV 0.7DME.

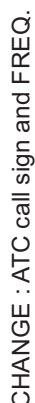
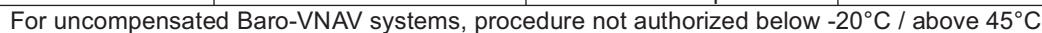


CHANGE : ATC call sign and FREQ.

		DME to IMV		0.2	0.7	1.5	2.7	7.5
		NM to THR		0	0.5	1.3	2.5	7.3
Missed APCH climb gradient MNM 4.0%								
MINIMA		THR elev. 72		AD elev. 58				
CAT	CAT I		LOC		CIRCLING			
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS		
	272 (200)	550	510 (452)	1000	510 (452)	1600		
				1200	530 (472)			
					830 (772)	2400		
1600					1150 (1092)			
Circling to NORTH side of RWY only.								
MINIMA with Missed APCH climb gradient of 2.5% are not established.								

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RNP RWY14(AR)



Climb to 8000FT, to EB456,
to EB457, to LUBEK and hold.
Contact MONBETSU RADIO.

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

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

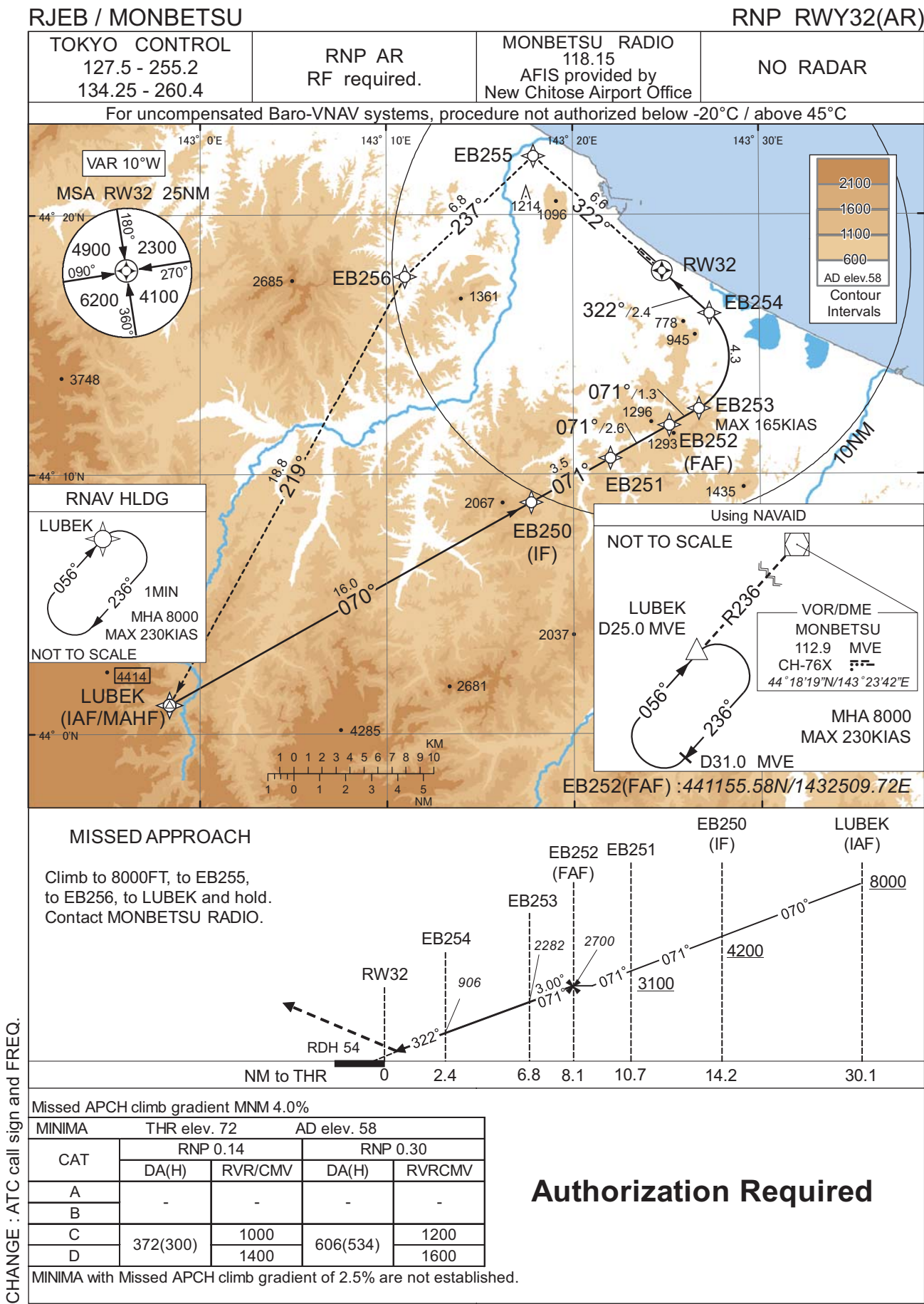
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	LUBEK	056 (046.6)	-9.8	1.0 (-14000)	R	8000	FL140	-230 (-14000)	1.0

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.

INSTRUMENT APPROACH CHART



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

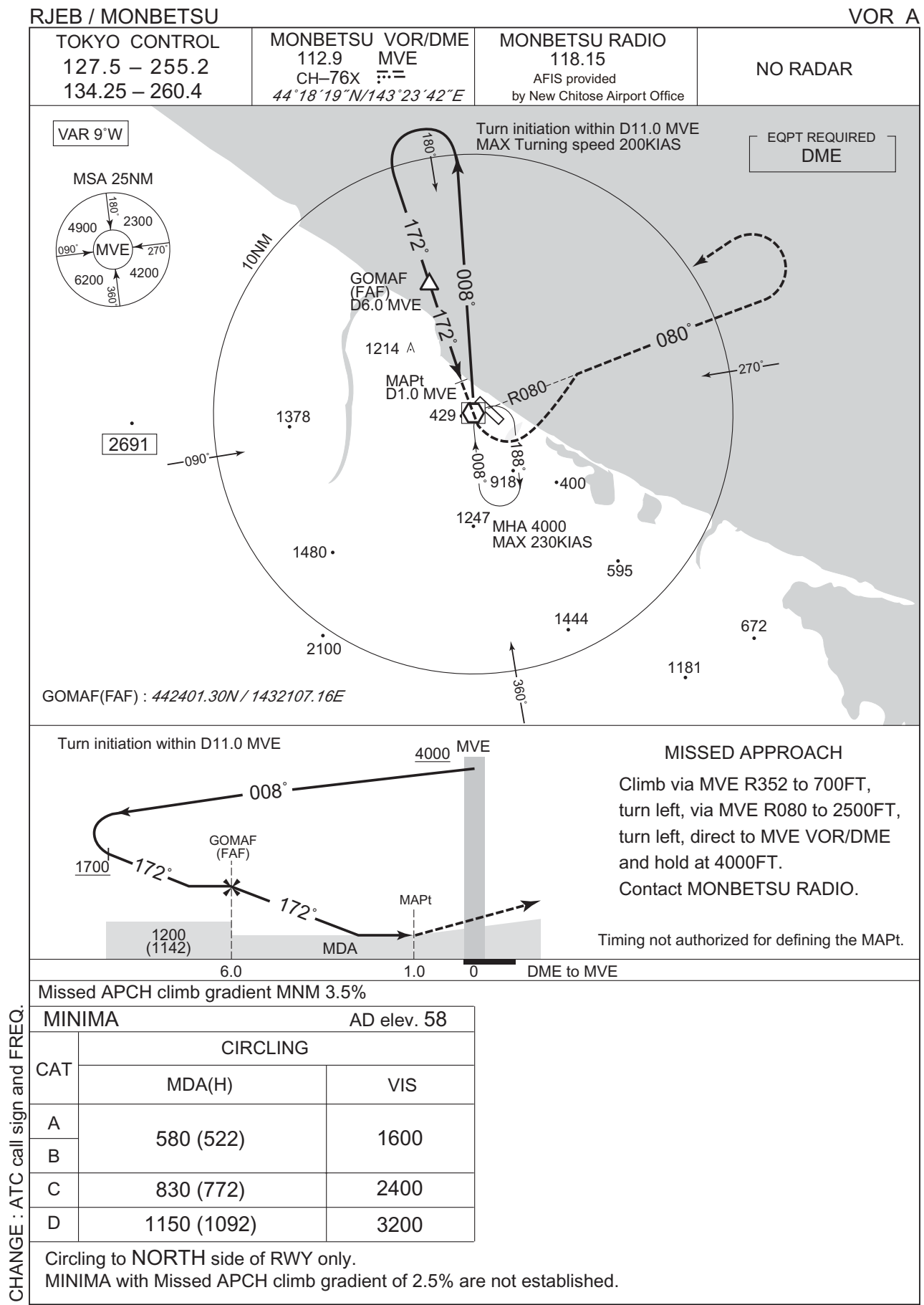
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	LUBEK	056 (046.6)	-9.8	1.0 (-14000)	R	8000	FL140	-230 (-14000)	1.0

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		

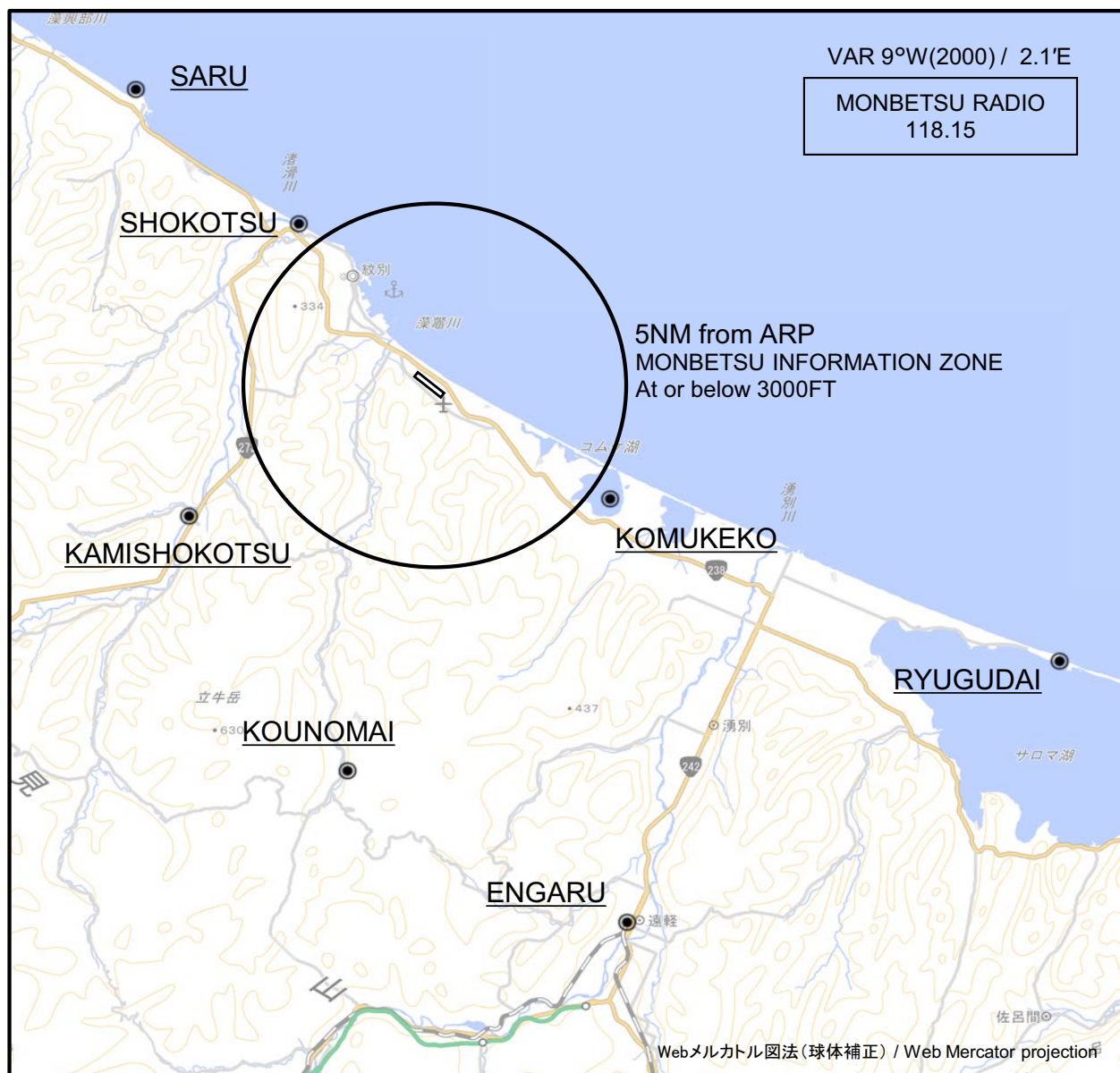
CHANGE : VAR. PROC course. RNAV HLDG established. Missed APCH course.

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.

