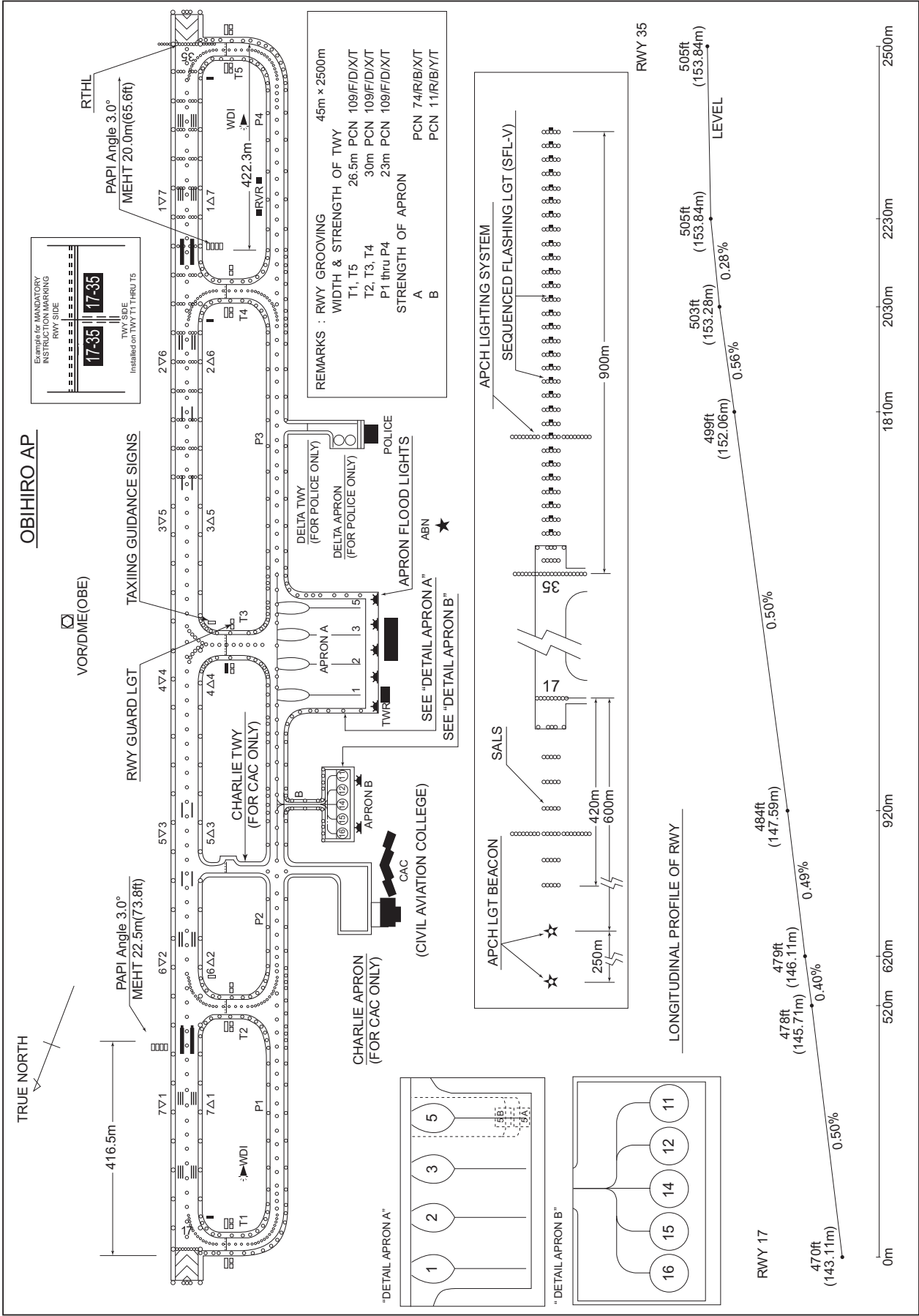


RJCB / OBIHIRO

AD CHART

CHANGE : MANDATORY INSTRUCTION MARKING added.



STANDARD DEPARTURE CHART-INSTRUMENT

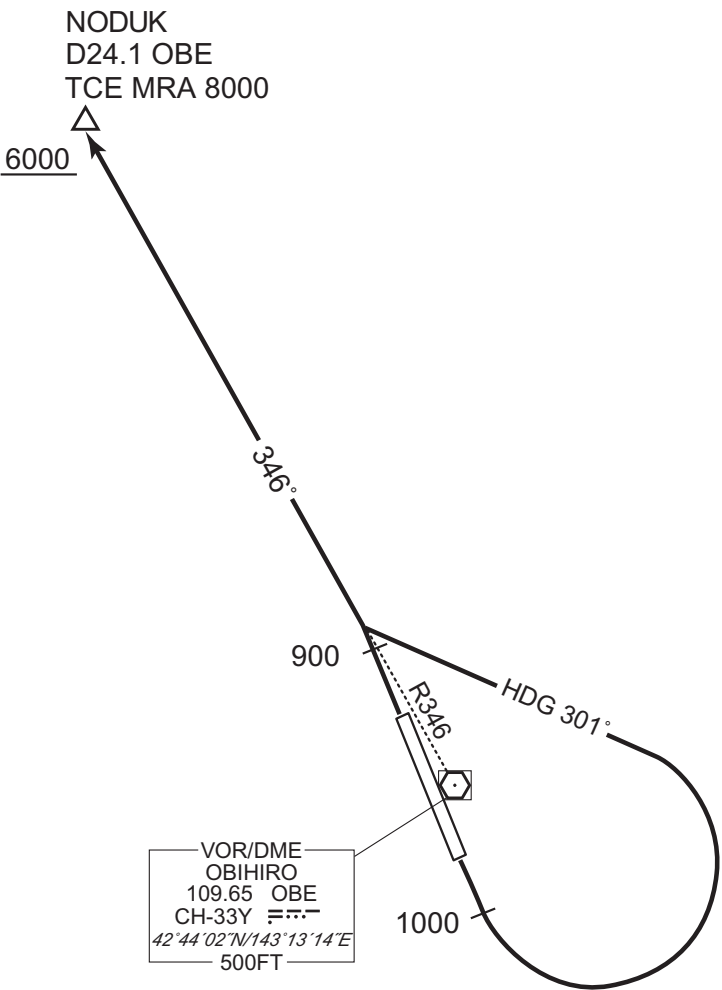
RJCB / OBIHIRO

SID

NODUK TWO DEPARTURE

RWY 17 : Climb RWY HDG to 1000FT, turn left HDG 301° to intercept and proceed...
RWY 35 : Climb RWY HDG to 900FT, ...
...via OBE R346 to NODUK.
Cross NODUK at or above 6000FT.

Note RWY 35 : 5.0% climb gradient required up to 1500FT.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCB / OBIHIRO

SID

KUSHIRO SIX DEPARTURE

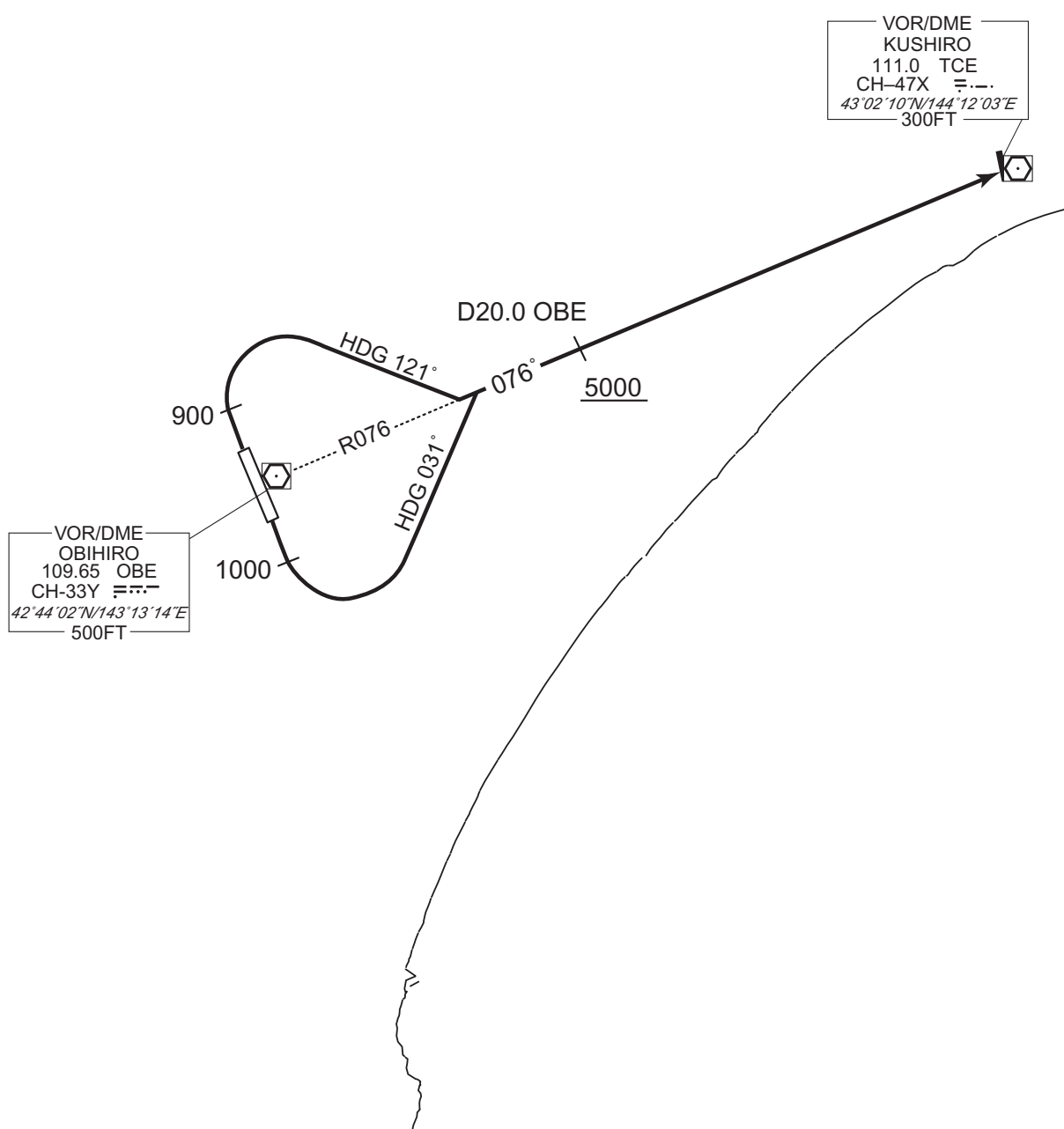
RWY 17 : Climb RWY HDG to 1000FT, turn left HDG 031° to intercept and proceed...

RWY 35 : Climb RWY HDG to 900FT, turn right HDG 121° to intercept and proceed...

...via OBE R076 to TCE VOR/DME.

Cross OBE R076/20.0DME at or above 5000FT.

Note RWY 35 : 5.0% climb gradient required up to 1500FT.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

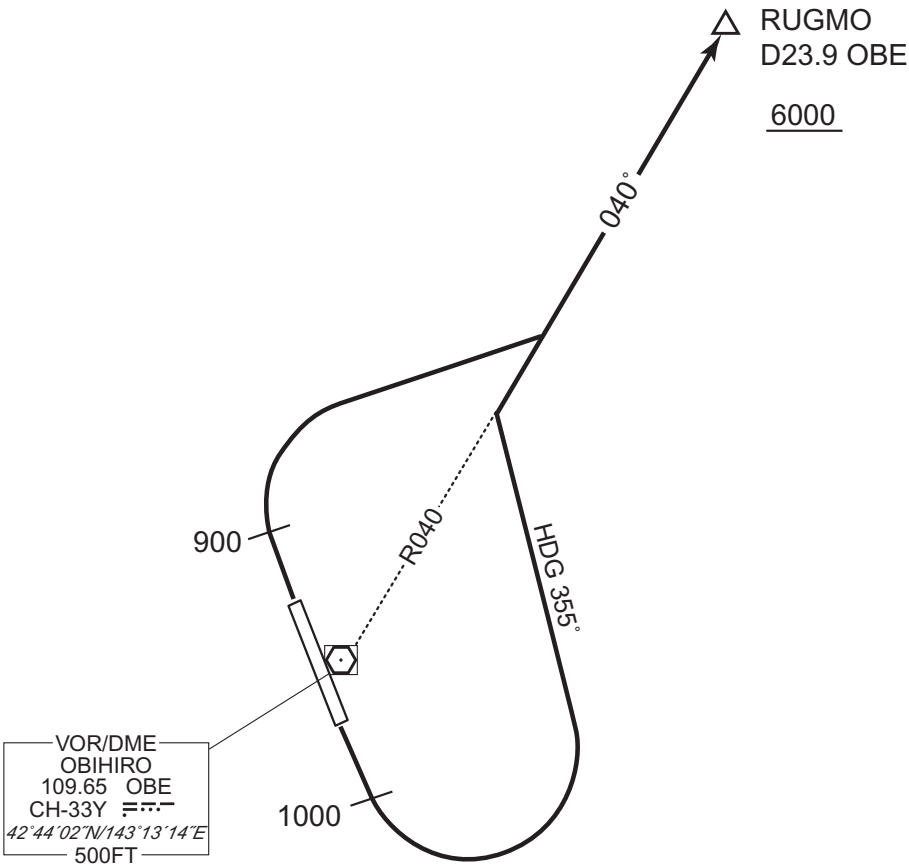
RJCB / OBIHIRO SID

RUGMO TWO DEPARTURE

RWY 17 : Climb RWY HDG to 1000FT, turn left HDG 355° to intercept and proceed...
RWY 35 : Climb RWY HDG to 900FT, turn right,...
...via OBE R040 to RUGMO.
Cross RUGMO at or above 6000FT.

Note RWY 35 : 5.0% climb gradient required up to 1500FT.

CHANGE : PROC renamed. PROC course.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCB / OBIHIRO

SID

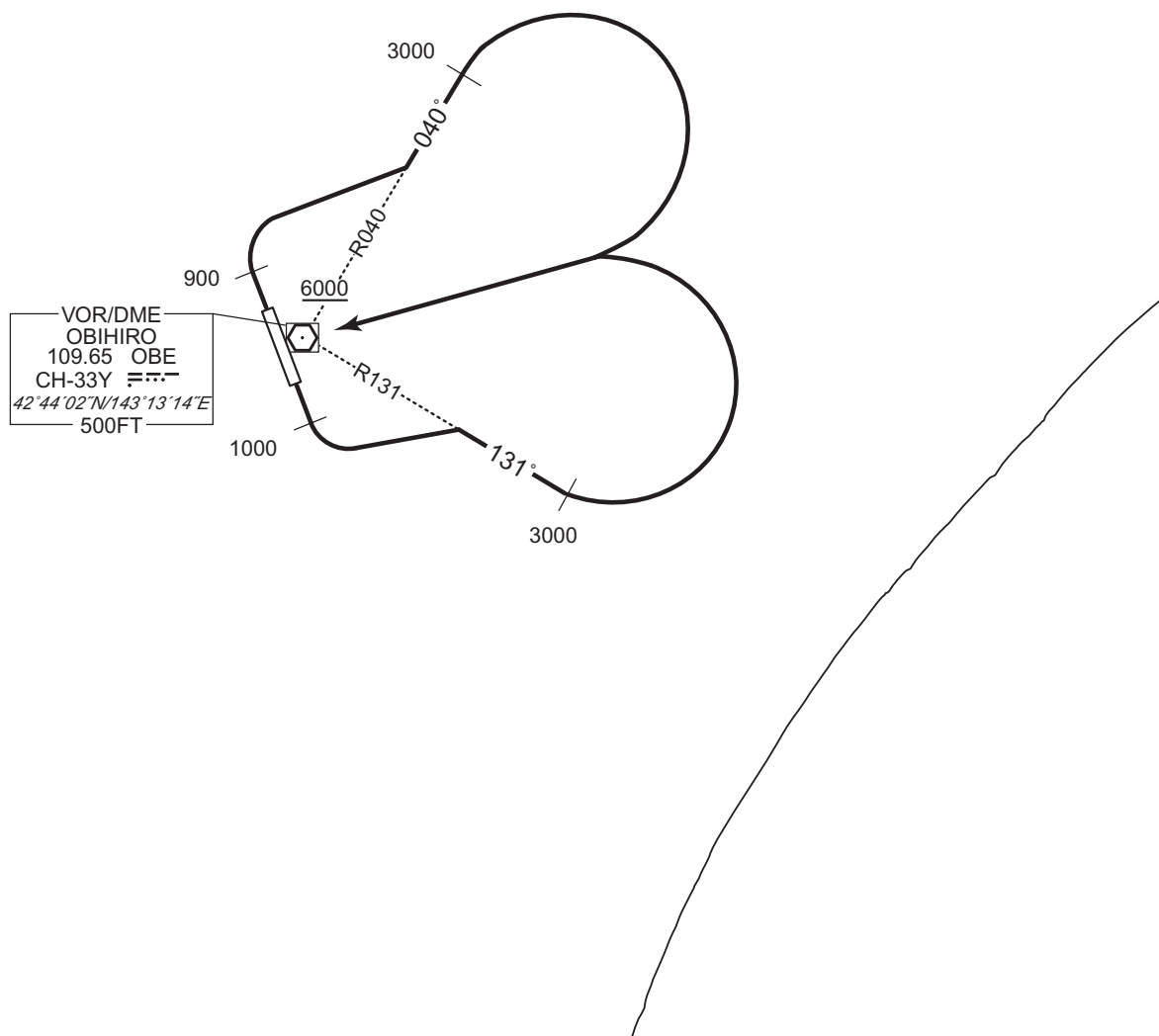
OBIHIRO REVERSAL EIGHT DEPARTURE

RWY 17 : Climb RWY HDG to 1000FT, turn left, via OBE R131 to 3000FT, turn left,...

RWY 35 : Climb RWY HDG to 900FT, turn right, via OBE R040 to 3000FT, turn right,...
...direct to OBE VOR/DME.

Cross OBE VOR/DME at or above 6000FT.

Note RWY 35 : 5.0% climb gradient required up to 1500FT.



STANDARD DEPARTURE CHART-INSTRUMENT

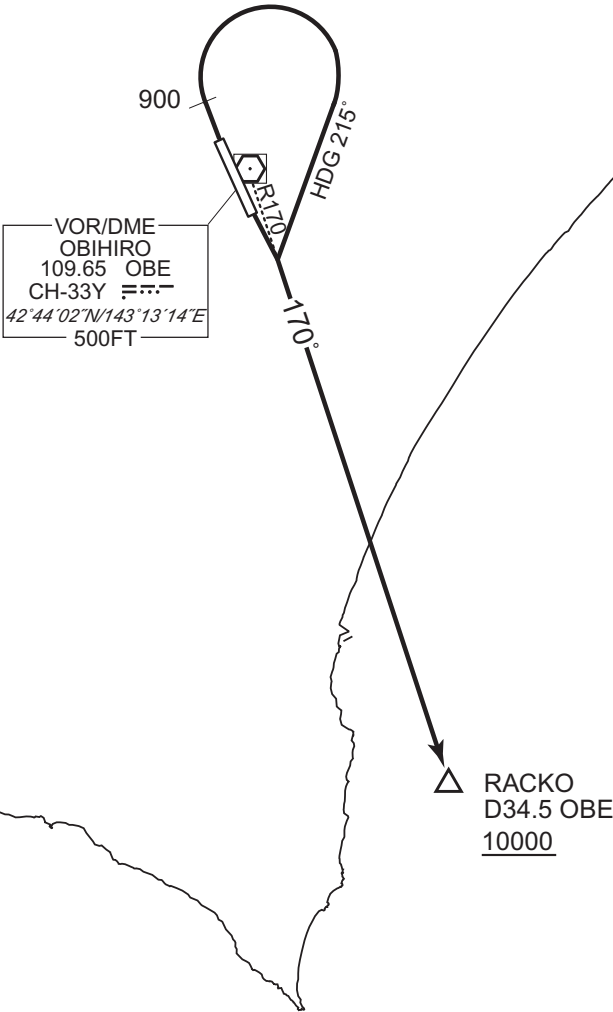
RJCB / OBIHIRO SID

RACKO THREE DEPARTURE

RWY 17 : Climb...
RWY 35 : Climb RWY HDG to 900FT, turn right HDG 215° to intercept and proceed...
...via OBE R170 to RACKO.
Cross RACKO at or above 10000FT.

Note RWY 35 : 5.0% climb gradient required up to 1500FT.

CHANGE : PROC renamed. PROC course.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCB / OBIHIRO

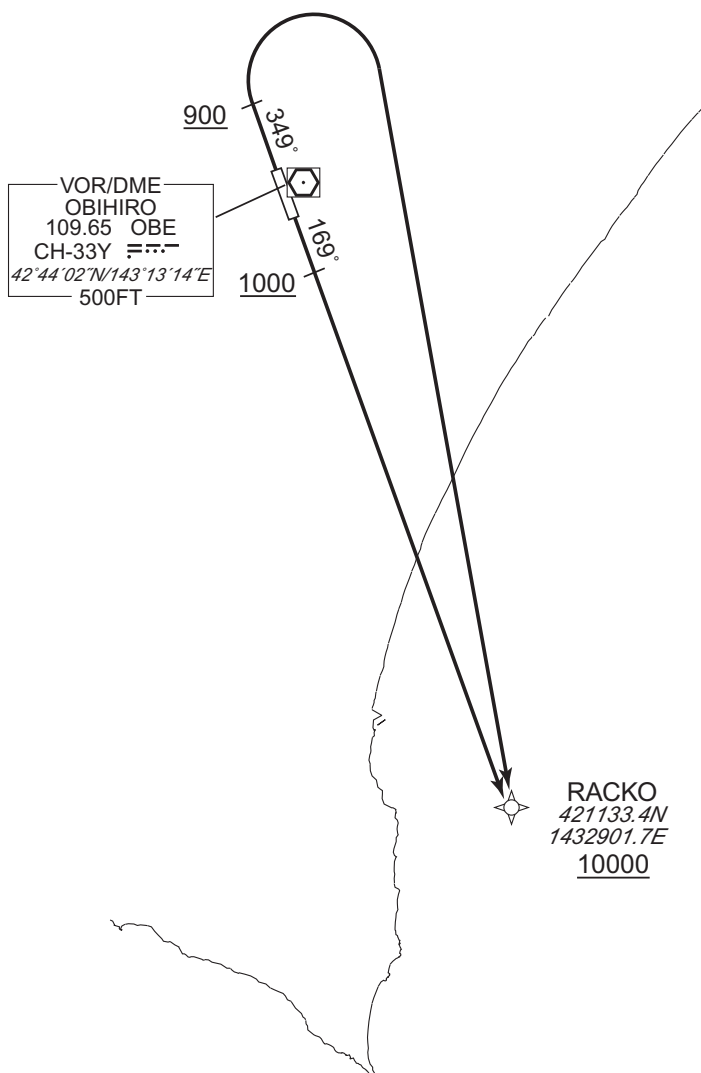
RNAV SID

OTTER TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W



RWY17 : Climb on HDG169° at or above 1000FT, direct to RACKO at or above 10000FT.

RWY35 : Climb on HDG349° at or above 900FT, turn right direct to RACKO at or above 10000FT.

NOTE RWY35 : 5.0% climb gradient required up to 1500FT.

CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCB / OBIHIRO RNAV SID

OTTER TWO DEPARTURE

RWY17

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	—	—	169 (159.4)	-9.4	—	—	+1000	—	—	Basic RNP1
002	DF	RACKO	—	—	-9.4	—	—	+10000	—	—	Basic RNP1

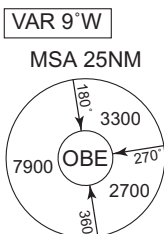
RWY35

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	—	—	349 (339.4)	-9.4	—	—	+900	—	—	Basic RNP1
002	DF	RACKO	—	—	-9.4	—	R	+10000	—	—	Basic RNP1

CHANGE : PROC renamed. PROC course. VAR.

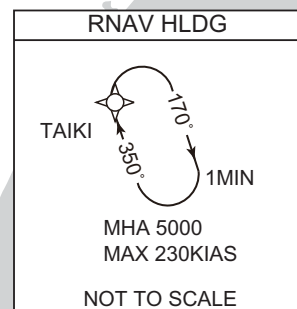
RJCB / OBIHIRO

ILS Z or LOC Z RWY35



EQPT REQUIRED
DME
VOR

EQPT REQUIRED
DME
VOR



RNAV HLDG

TAIKI

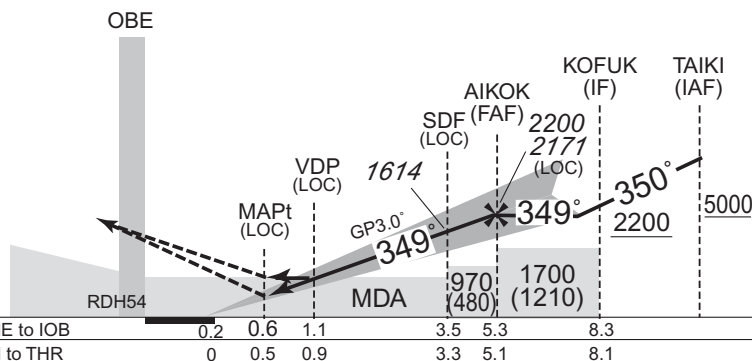
MHA 5000
MAX 230KIAS

NOT TO SCALE

MISSED APPROACH
Climb to 900FT on HDG 349°, turn right
HDG 221° to intercept and proceed via
OBE R176 to 3000FT, turn right, direct
to OBE VOR/DME and hold.
Contact OBIHIRO TOWER.

MISSED APPROACH
Climb to 900FT on HDG 349°, turn right
HDG 221° to intercept and proceed via
OBE R176 to 3000FT, turn right, direct
to OBE VOR/DME and hold.
Contact OBIHIRO TOWER.

No turn before IOB 0.6DME.
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 4.0%

MINIMA		THR elev. 505		AD elev. 490		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	705 (200)	550	840 (350)	900	960 (470)	1600
B				1000		
C					1050 (560)	2400
D						

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

CHANGE : Missed APCH course. HLDG course(OBE).

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

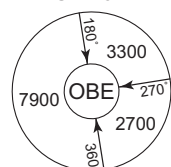
ILS Y or LOC Y RWY35

SAPPORO CONTROL
128.325 – 246.1
134.25 – 260.4ILS-LOC
111.7 IOB 333.5
ILS GP 333.5
ILS-DME CH-54XOBIHIRO TOWER
118.7 – 126.2 – 123.6

NO RADAR

VAR 9°W

MSA 25NM



TOKACHI AD

10NM

EQPT REQUIRED
DME
VOR

1116

3573

6057

2910

1578

4915

2228

MHA 3000
MAX 230KIAS

545

591

784

MAPt(LOC)
D0.6 IOB

597

512

153

1053

1099

1108

771

VOR/DME
OBIHIRO
109.65 OBE
CH-33Y 42°44'02"N/143°13'14"E

42°44'02"N/143°13'14"E

1086

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

771

153

1053

1099

1108

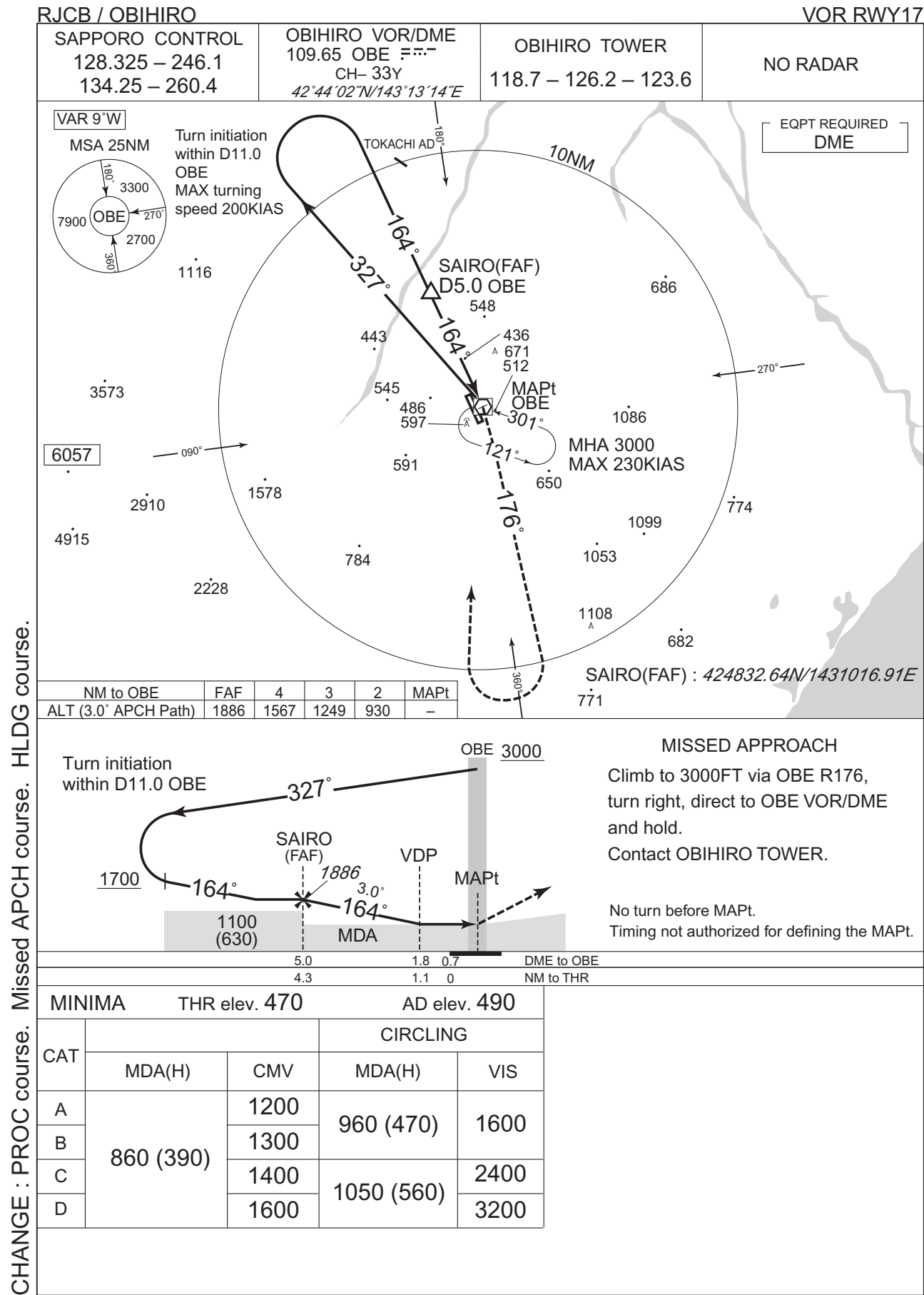
771

153

1053

1099

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

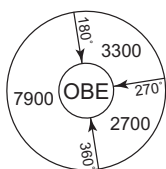
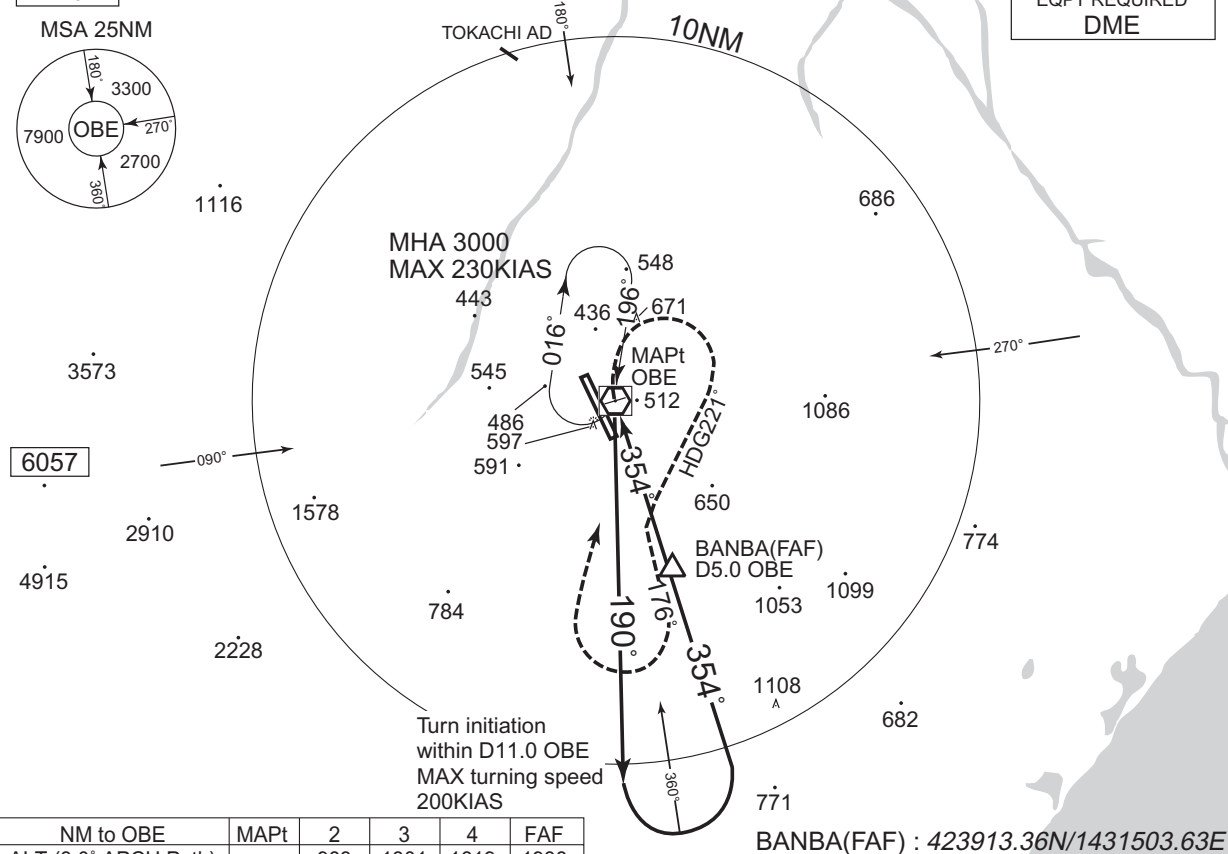
VOR RWY35

SAPPORO CONTROL
128.325 – 246.1
134.25 – 260.4OBIHIRO VOR/DME
109.65 OBE $\equiv \equiv \equiv$
CH-33Y
42°44'02"N/143°13'14"EOBIHIRO TOWER
118.7 – 126.2 – 123.6

NO RADAR

VAR 9°W

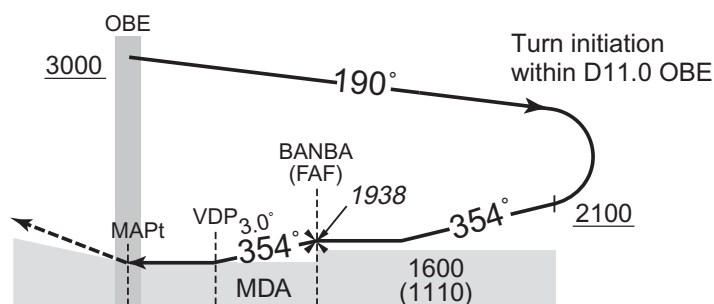
MSA 25NM

EQPT REQUIRED
DME

MISSED APPROACH

Turn right, climb on HDG 221° to intercept and proceed via OBE R176 to 3000FT, turn right, direct to OBE VOR/DME and hold. Contact OBIHIRO TOWER.

No turn before MAPt.
Timing not authorized for defining the MAPt.



DME to OBE	0.7	1.9	5.0
NM to THR	0	1.2	4.3

MINIMA

THR elev. 505

AD elev. 490

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	930 (440)	900	960 (470)	1600
B		1000		1050 (560)
C			1400	
D				

CHANGE : PROC course. Missed APCH course. HLDG course.

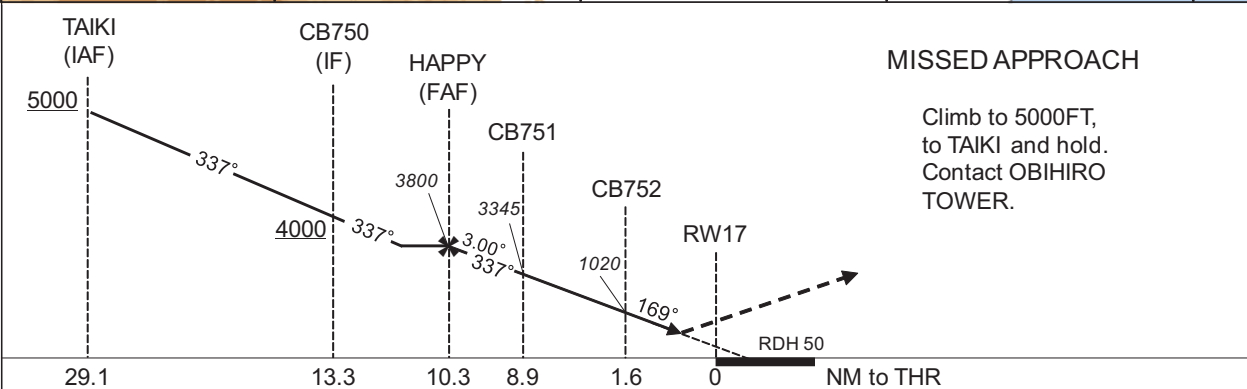
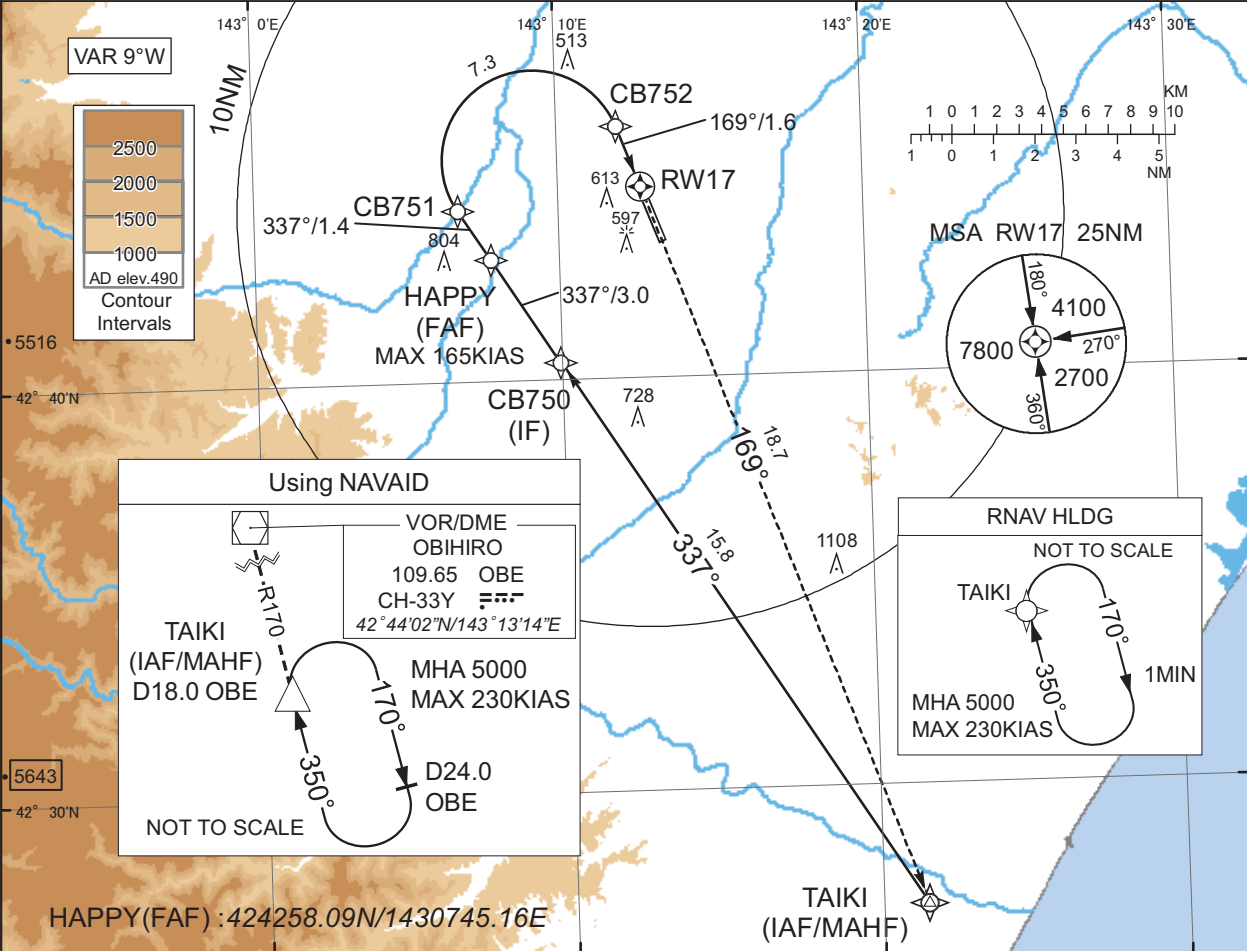
INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

RNP RWY17(AR)

SAPPORO CONTROL 128.325 - 246.1 134.25 - 260.4	RNP AR RF required	OBIHIRO TOWER 118.7 - 126.2 - 123.6	NO RADAR
--	-----------------------	--	----------

For uncompensated Baro-VNAV systems, procedure not authorized below -30°C / above 45°C



MINIMA	THR elev. 470	AD elev. 490
CAT	RNP 0.30	
A	DA(H)	CMV
B	-	-
C	770(300)	1400
D	774(304)	1600

Authorization Required

CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

RNP RWY17(AR)

Coding Table

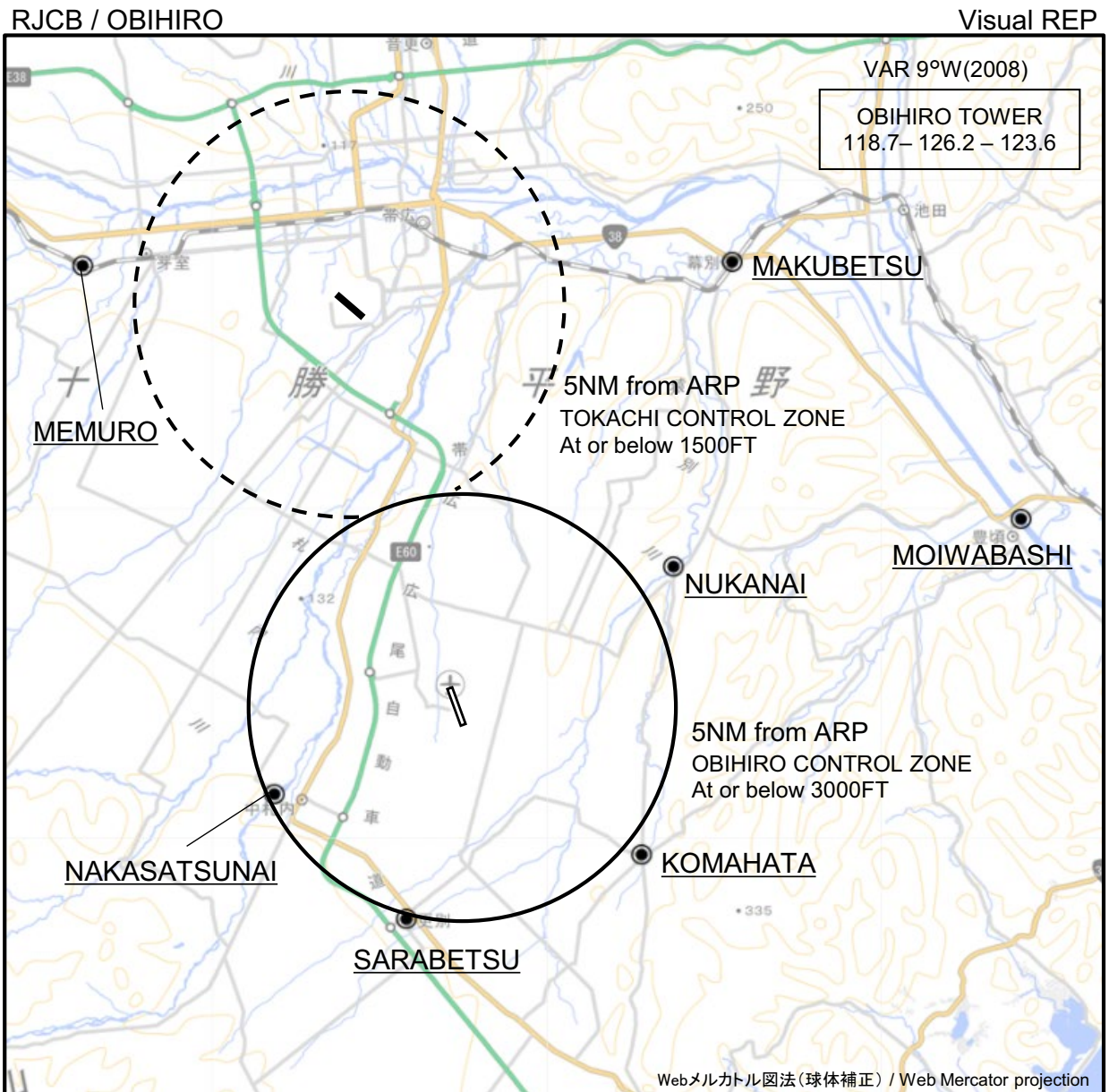
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	TAIKI	-	-	-9.4	-	-	+5000	-	-	-
002	TF	CB750	-	337 (327.6)	-9.4	15.8	-	+4000	-	-	1.0
003	TF	HAPPY	-	337 (327.5)	-9.4	3.0	-	3800	-165	-	1.0
004	TF	CB751	-	337 (327.4)	-9.4	1.4	-	3345	-	-3.00	0.3
005	RF Center: CBRF1 r=2.18NM	CB752	-	-	-9.4	7.3	R	1020	-	-3.00	0.3
006	TF	RW17	Y	169 (159.4)	-9.4	1.6	-	520	-	-3.00/50	0.3
007	TF	TAIKI	-	169 (159.8)	-9.4	18.7	-	5000	-	-	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	TAIKI	350 (340.3)	-9.4	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TAIKI	422706.29N / 1432128.22E	CBRF1	424520.85N / 1430911.91E
CB750	424026.47N / 1430956.82E		
HAPPY	424258.09N / 1430745.16E		
CB751	424410.25N / 1430642.42E		
CB752	424607.16N / 1431158.01E		
RW17	424438.86N / 1431243.31E		

CHANGE : VAR. PROC course. RNAV HLDG established.



※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).

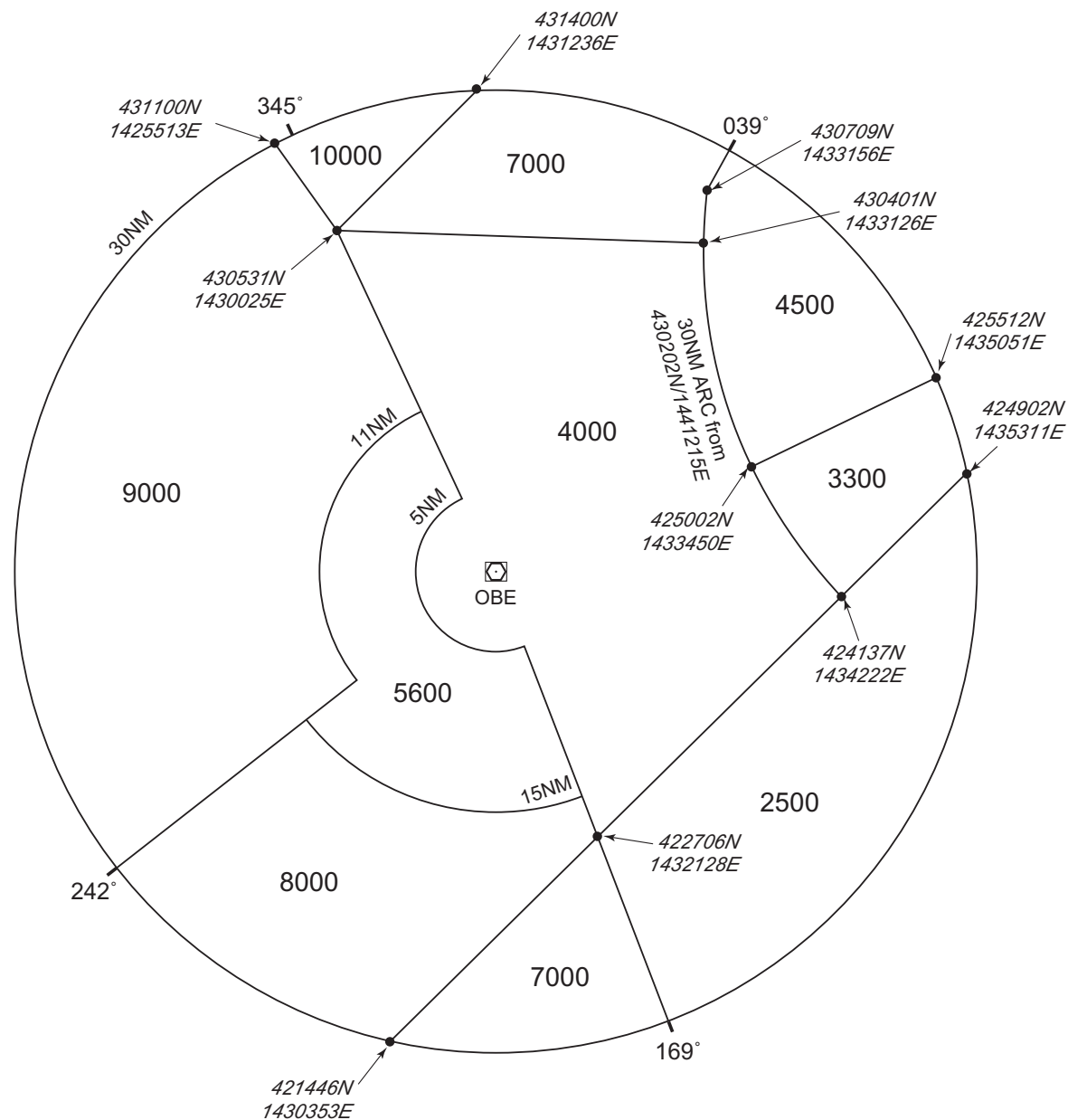
CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
幕別 Makubetsu	031°T / 12.2NM	JR駅 JR Station
芽室 Memuro	320°T / 13.6NM	JRの鉄橋(芽室駅から西1.5NM) Bridge
茂岩橋 Moiwabashi	071°T / 13.7NM	十勝川の茂岩橋 Bridge
糠内 Nukanai	056°T / 5.9NM	猿別川と糠内川の合流点 The confluence of the Sarubetsu and Nukanai rivers
中札内 Nakasatsunai	245°T / 4.9NM	札内川の中札内橋 Bridge
駒畠 Komahata	130°T / 5.4NM	五差路 Intersection
更別 Sarabetsu	195°T / 5.1NM	更別村役場 Sarabetsu Village office

RJCB / OBIHIRO

Minimum Vectoring Altitude CHART

VAR 9°W (2009)



CENTER : 424402N/1431314E (OBE VOR/DME)

CHANGE : Bearing FM KSE deleted.