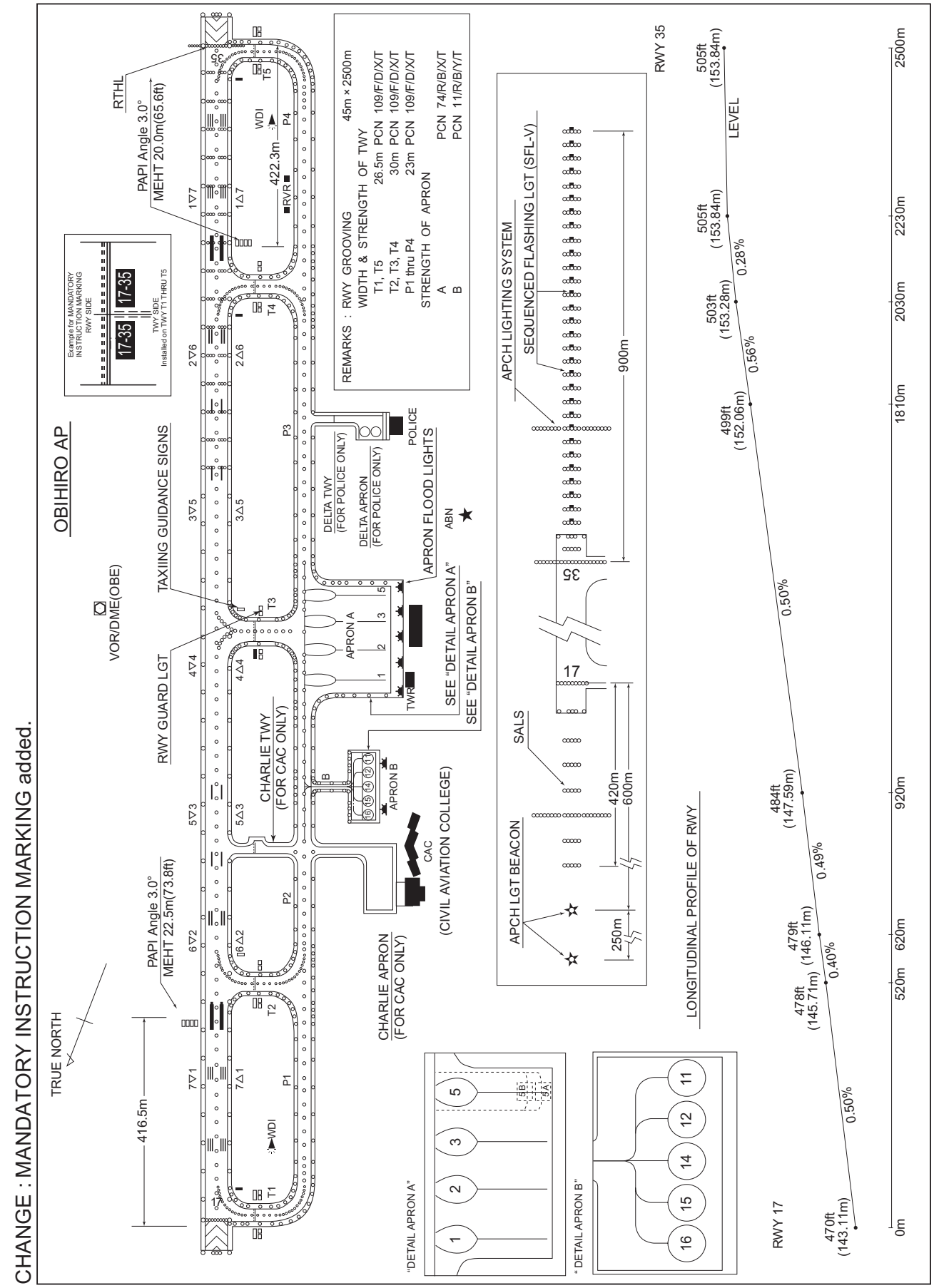
RJCB / OBIHIRO AD CHART



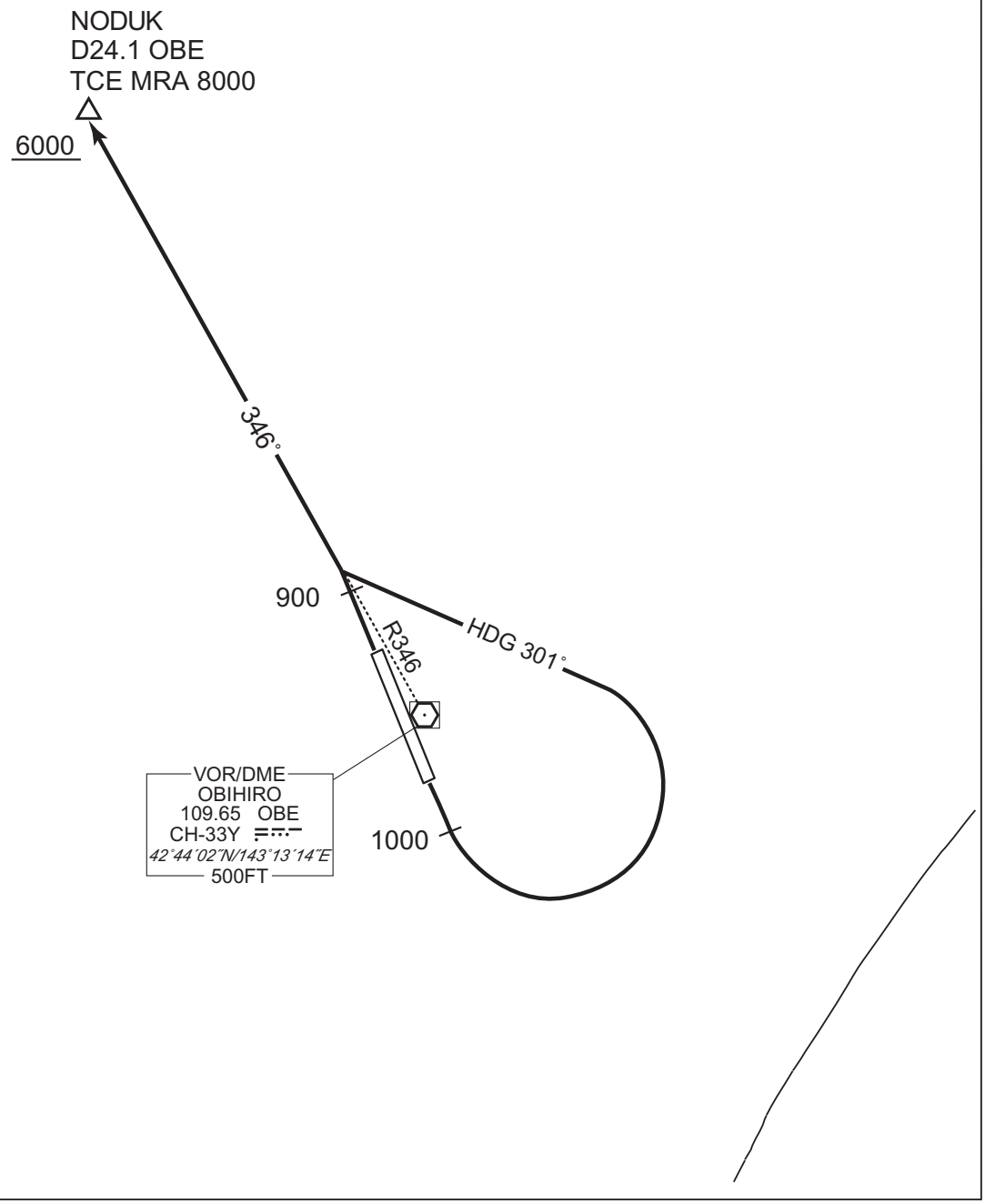
STANDARD DEPARTURE CHART-INSTRUMENT

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.

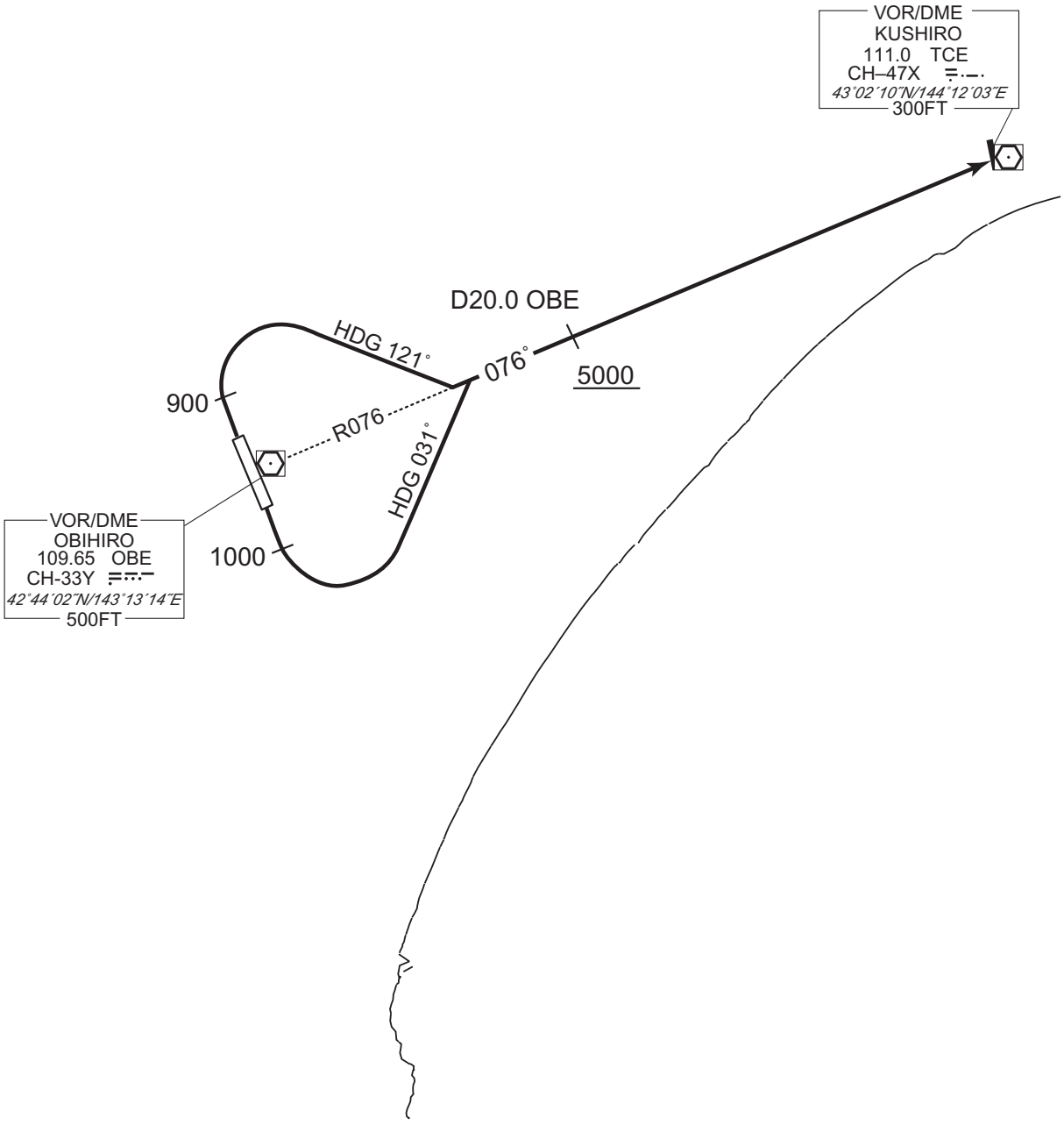
STANDARD DEPARTURE CHART-INSTRUMENT

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.

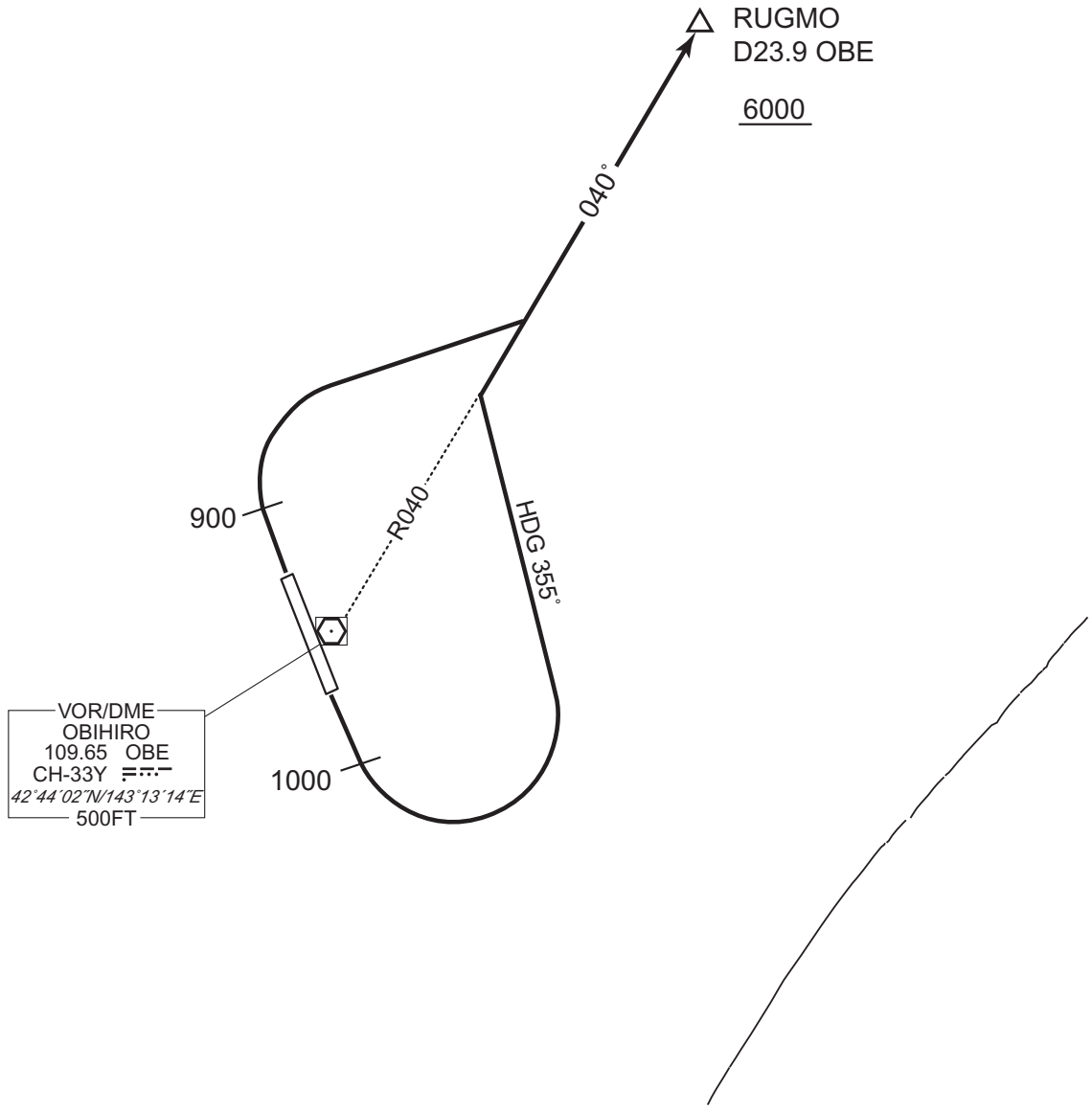
STANDARD DEPARTURE CHART-INSTRUMENT

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.

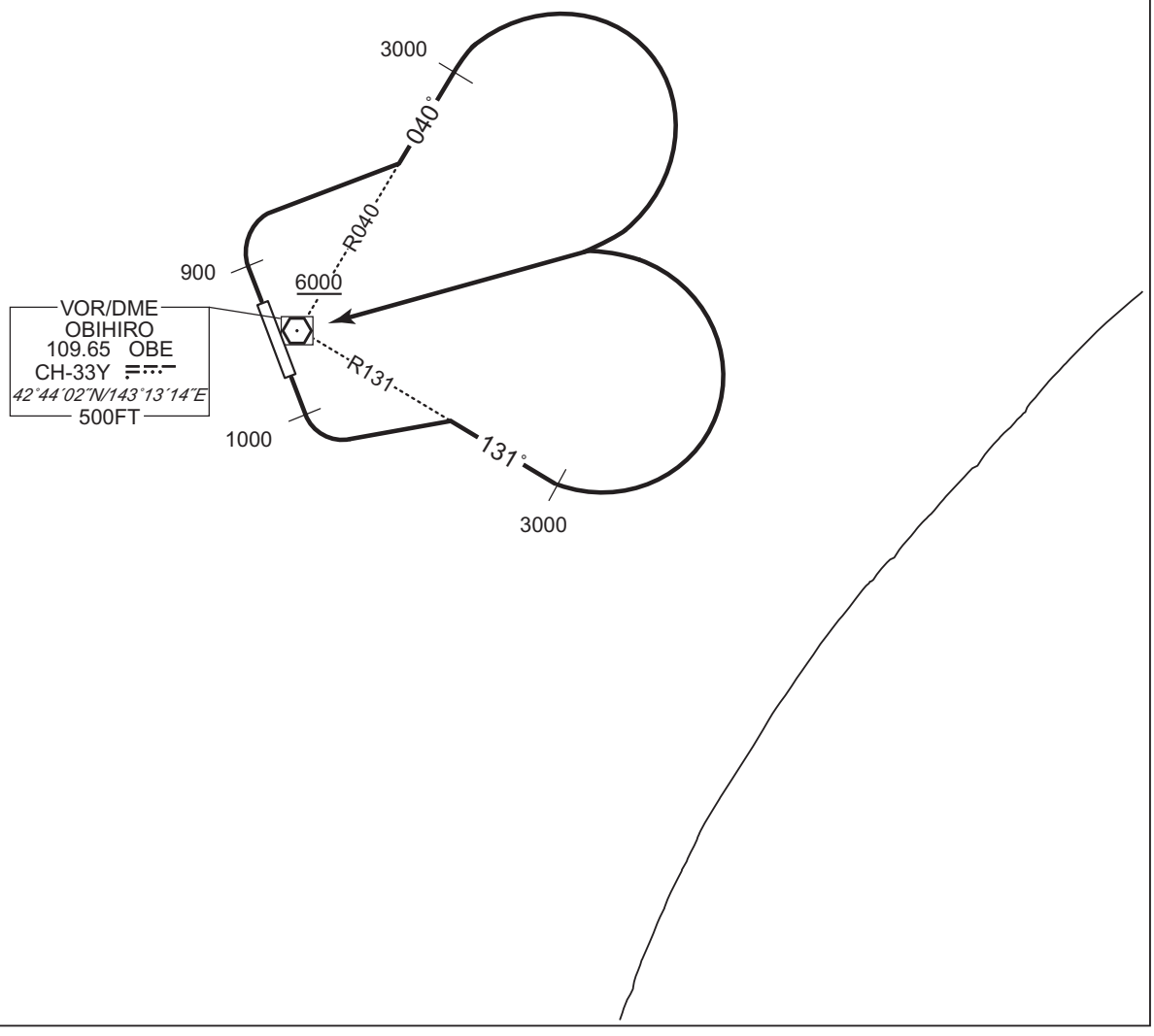
STANDARD DEPARTURE CHART-INSTRUMENT

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.



CHANGE : PROC renamed. PROC course.

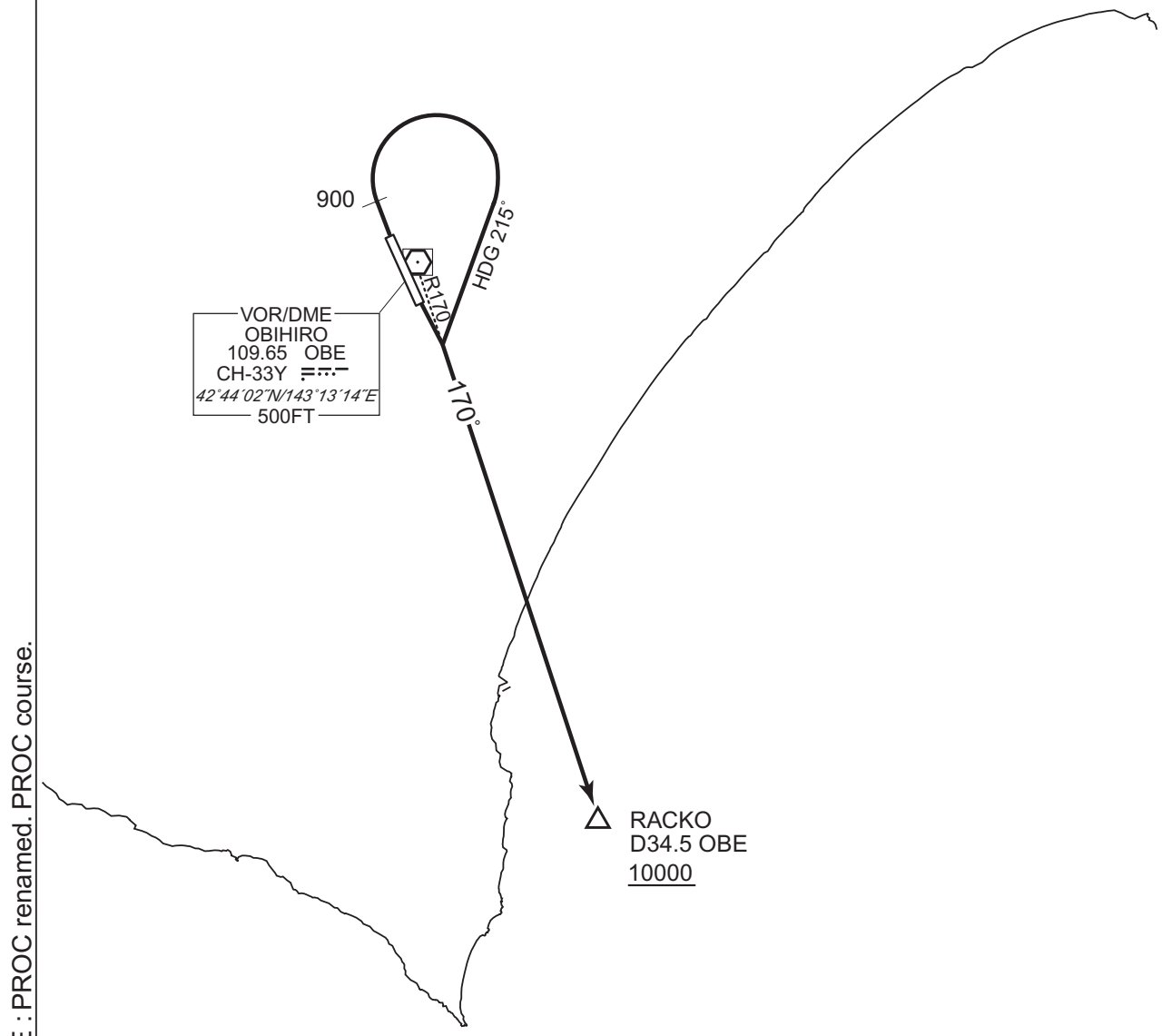
STANDARD DEPARTURE CHART-INSTRUMENT

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.



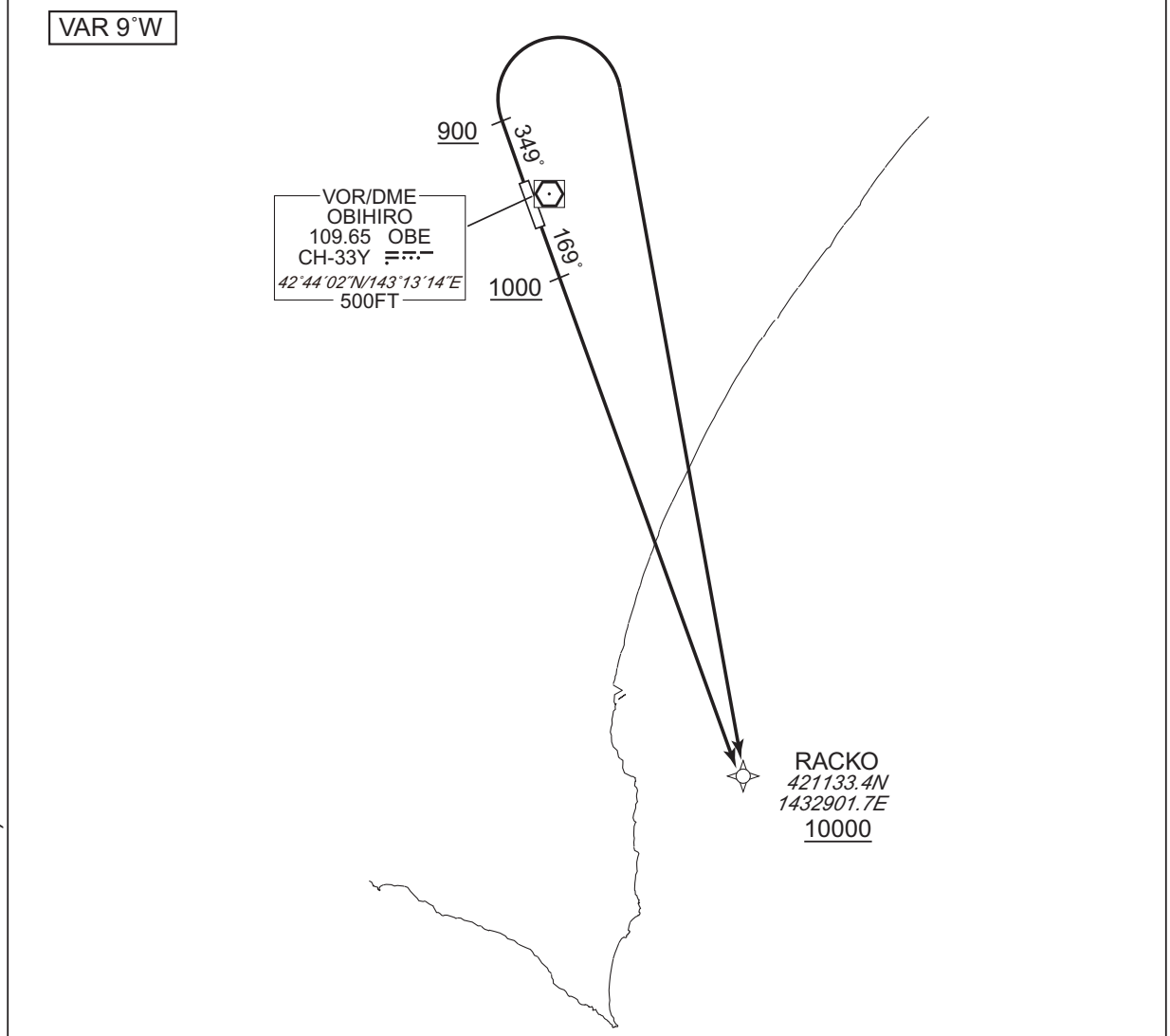
CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCB / OBIHIRO RNAV SID

OTTER TWO DEPARTURE	RNP1

Note GNSS required.



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 : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	RNP1
002	DF	RACKO	-	-	-9.4	-	-	+10000	-	-	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	-	-	RNP1
002	DF	RACKO	-	-	-9.4	-	R	+10000	-	-	RNP1

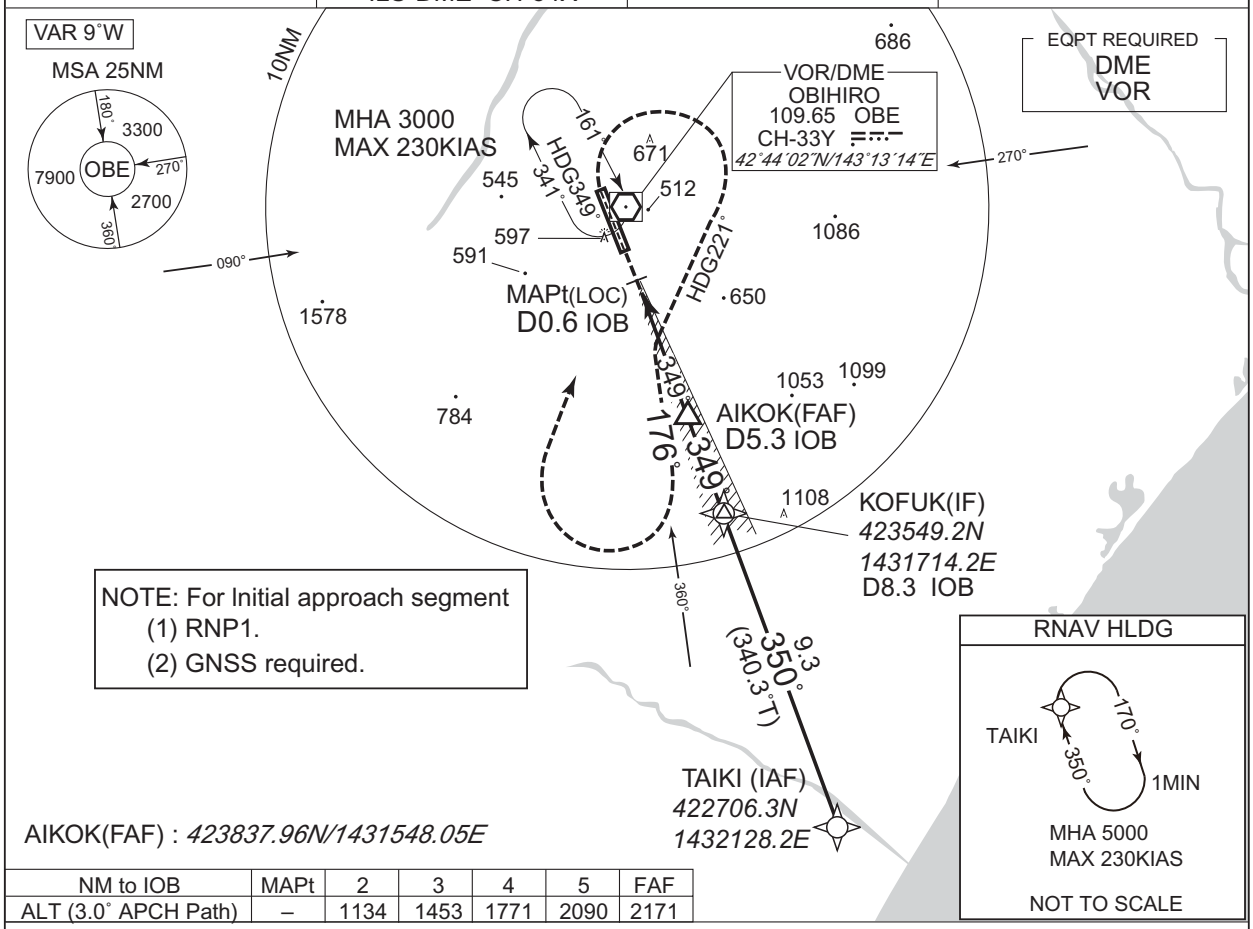
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

ILS Z or LOC Z RWY35

HIDAKA APP	ILS-LOC	OBIHIRO TOWER	RADAR AVBL
128.325 – 134.55	111.7 IOB ILS GP 333.5 ILS-DME CH-54X	118.7– 126.2 – 123.6	

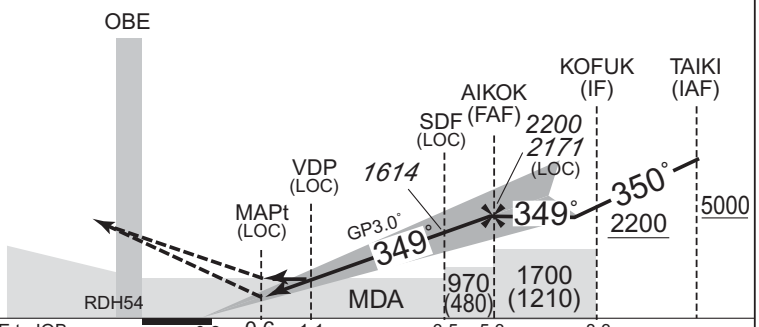


NM to IOB	MAPt	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	1134	1453	1771	2090	2171

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 HIDAKA APP.

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				1400		3200

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

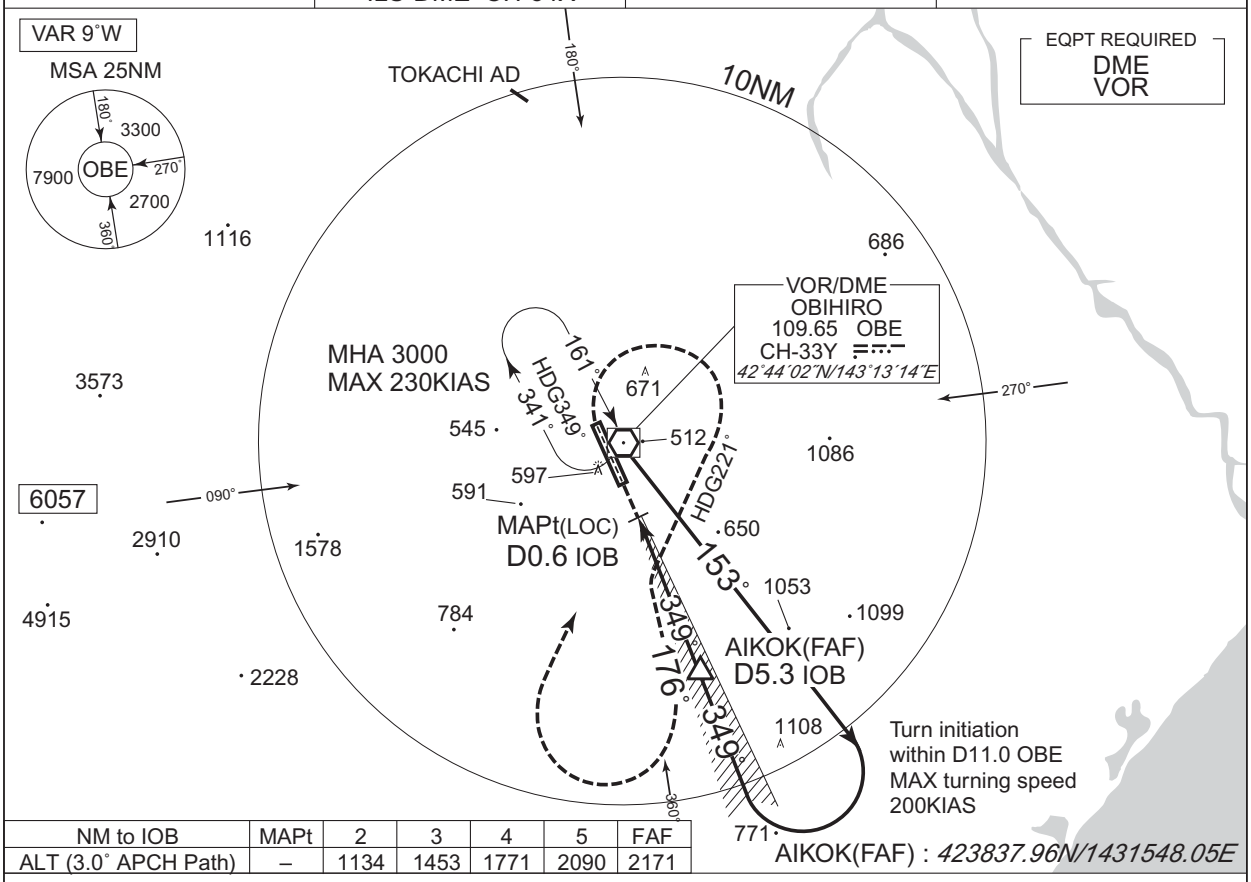
CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC. Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO

ILS Y or LOC Y RWY35

HIDAKA APP	ILS-LOC	OBIHIRO TOWER	RADAR AVBL
128.325 – 134.55	111.7 IOB ILS GP 333.5 ILS-DME CH-54X	118.7 – 126.2 – 123.6	

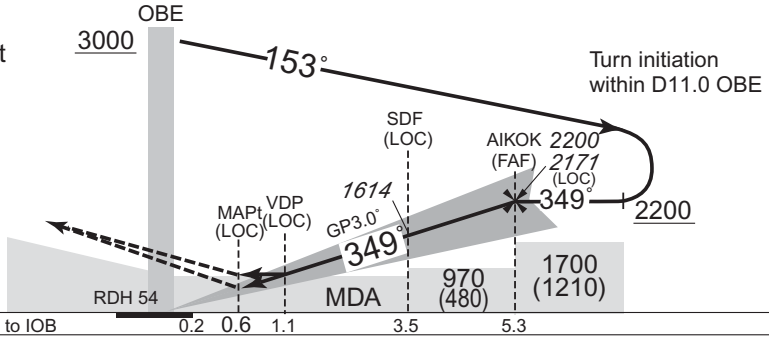


NM to IOB	MAPt	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	1134	1453	1771	2090	2171

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 HIDAKA APP.

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



DME to IOB	0.2	0.6	1.1	3.5	5.3
NM to THR	0	0.5	0.9	3.3	5.1

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				1400		3200

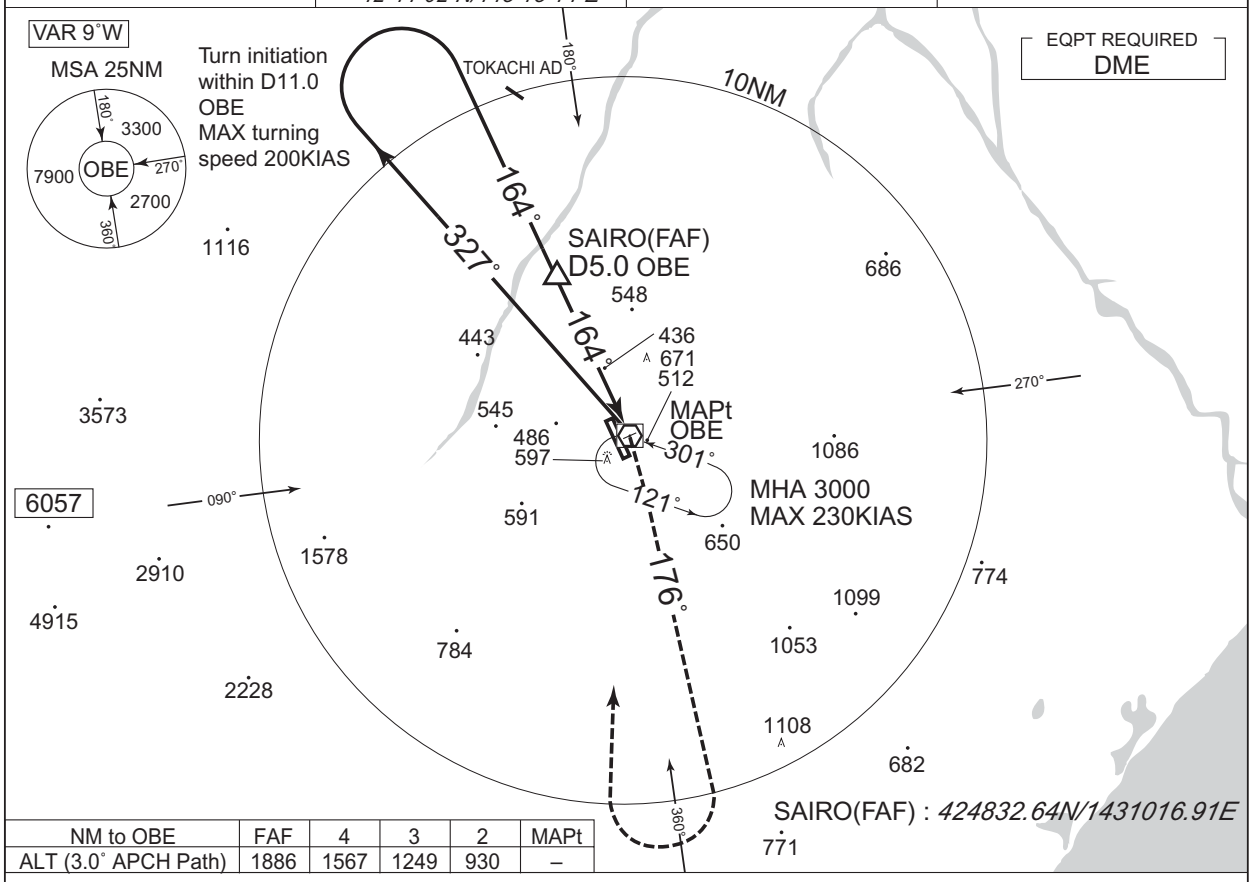
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

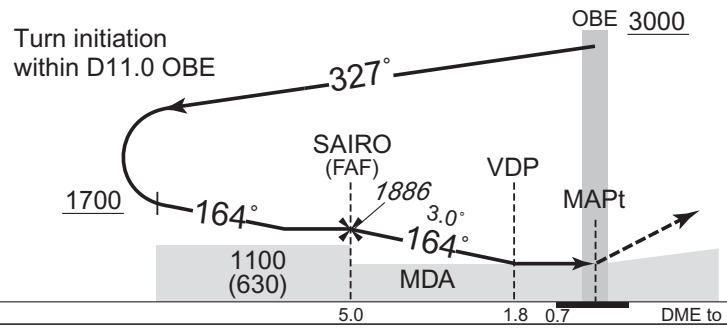
INSTRUMENT APPROACH CHART

RJCB / OBIHIRO VOR RWY17

HIDAKA APP	OBIHIRO VOR/DME	OBIHIRO TOWER	RADAR AVBL
128.325 – 134.55	109.65 OBE CH– 33Y *42˚44´02˝N/143˚13´14˝E*	118.7 – 126.2 – 123.6	



NM to OBE	FAF	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1886	1567	1249	930	–



MISSED APPROACH

Climb to 3000FT via OBE R176, turn right, direct to OBE VOR/DME and hold.
Contact HIDAKA APP.

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

MINIMA THR elev. 470 AD elev. 490

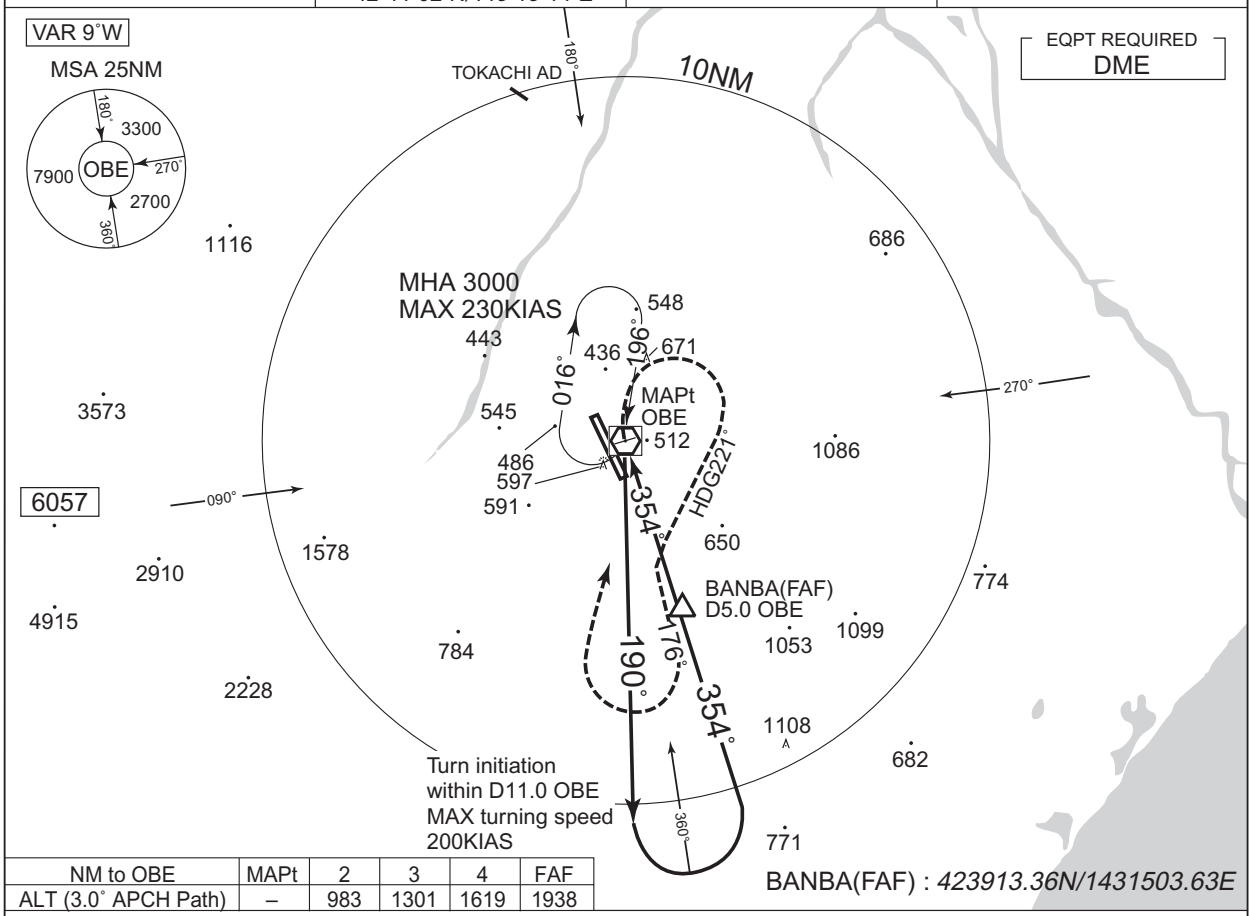
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	860 (390)	1200	960 (470)	1600
B		1300		
C		1400	1050 (560)	2400
D		1600		3200

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO VOR RWY35

HIDAKA APP	OBIHIRO VOR/DME	OBIHIRO TOWER	RADAR AVBL
128.325 – 134.55	109.65 OBE CH–33Y *42˚44´02˝N/143˚13´14˝E*	118.7 – 126.2 – 123.6	

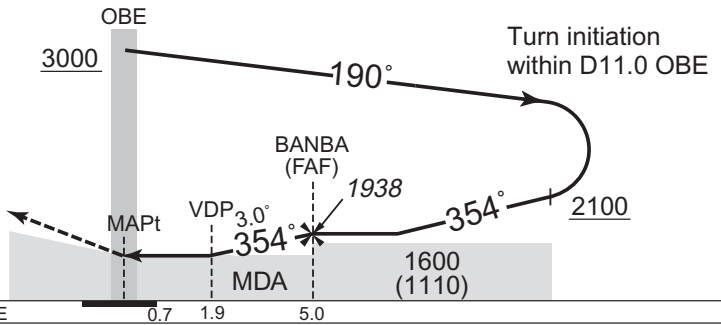


NM to OBE	MAPt	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	983	1301	1619	1938

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 HIDAKA APP.

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		
C			1050 (560)	2400
D		1400		3200

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

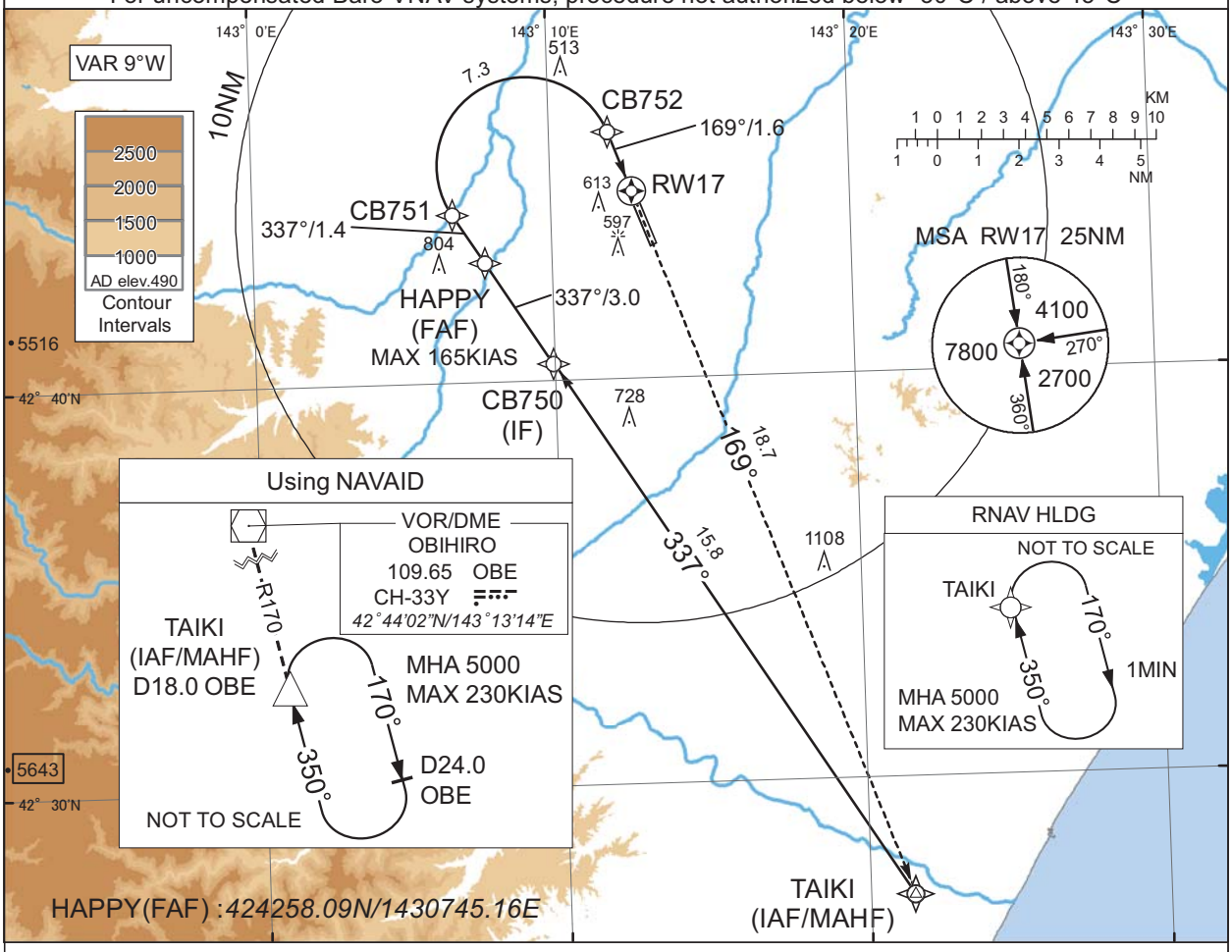
INSTRUMENT APPROACH CHART

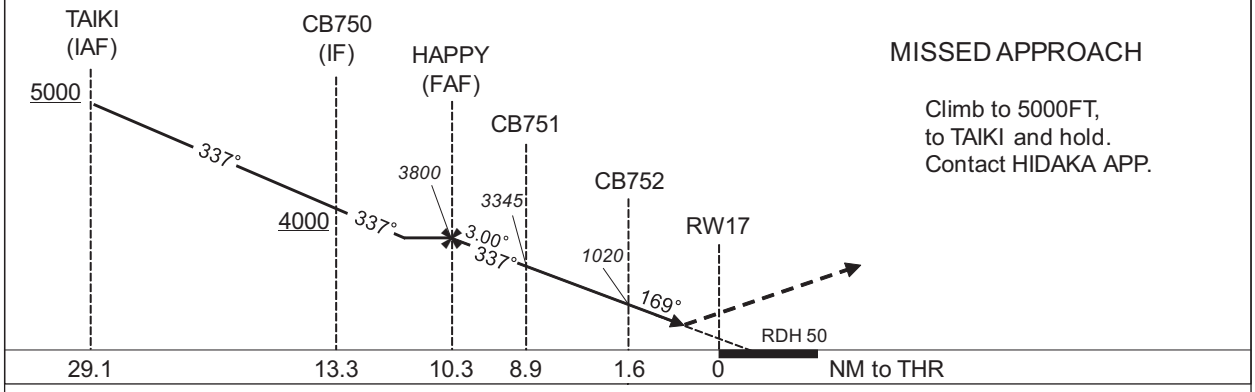
RJCB / OBIHIRO

RNP RWY17(AR)

HIDAKA APP 128.325 - 134.55	RNP AR RF required	OBIHIRO TOWER 118.7 - 126.2 - 123.6	RADAR AVBL

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





MISSED APPROACH

Climb to 5000FT,
to TAIKI and hold.
Contact HIDAKA APP.

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

Authorization Required

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART

RJCB / OBIHIRO RNP RWY17(AR)

CHANGE : VAR. PROC course. RNAV HLDG established.

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

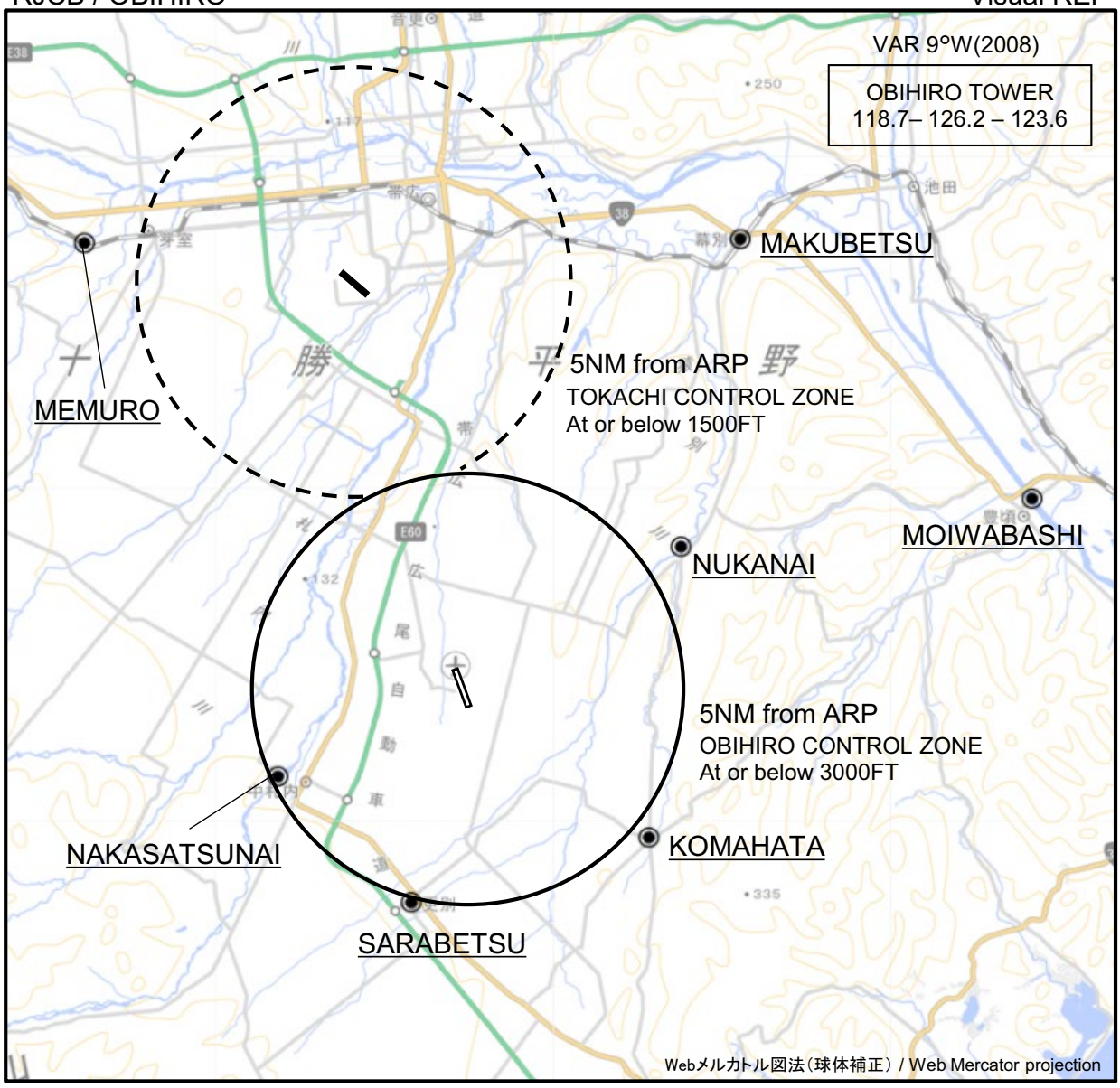
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	TAIKI	350 (340.3)	-9.4	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

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*		

RJCB / OBIHIRO

Visual REP



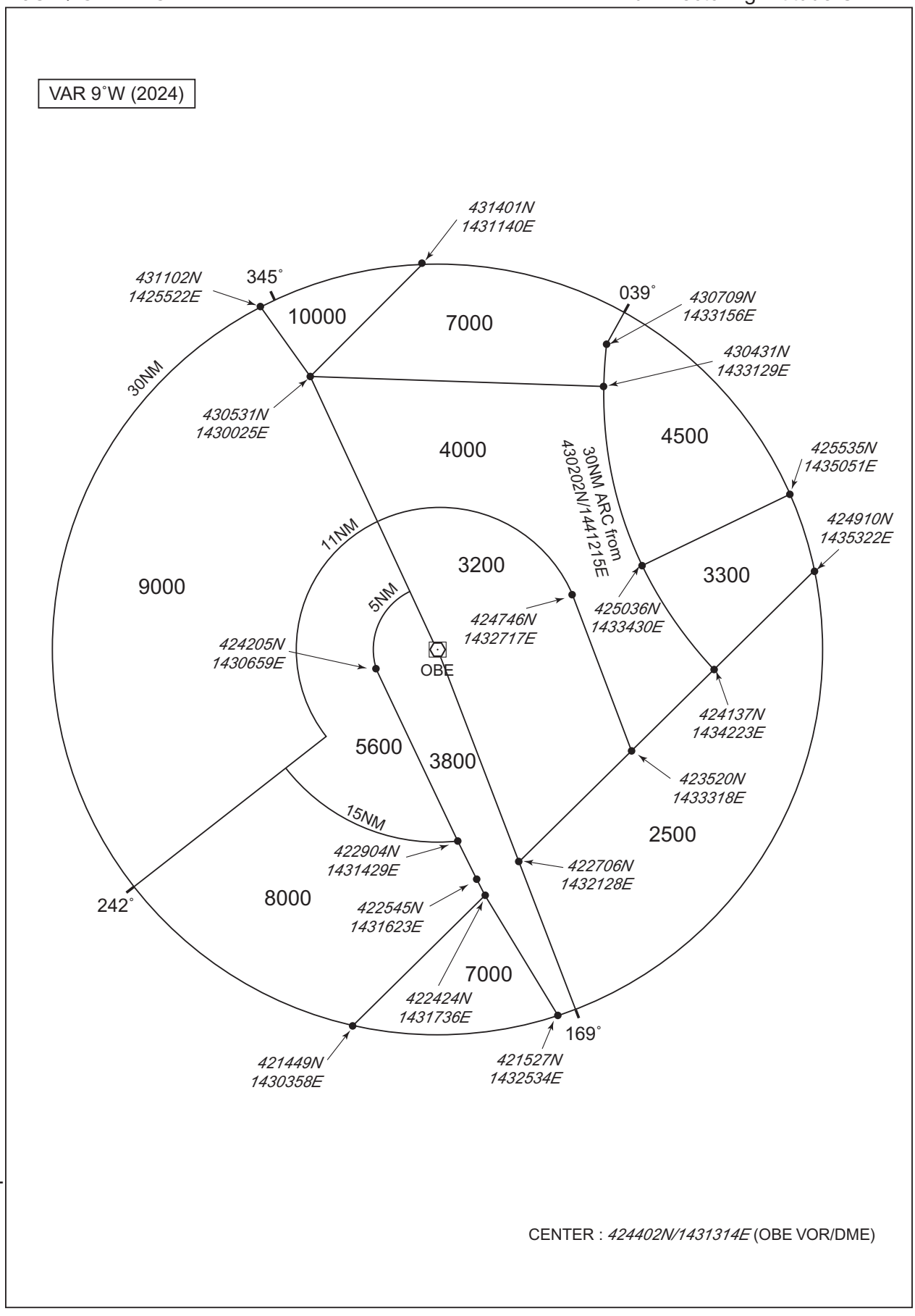
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : 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



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

CHANGE : Update.