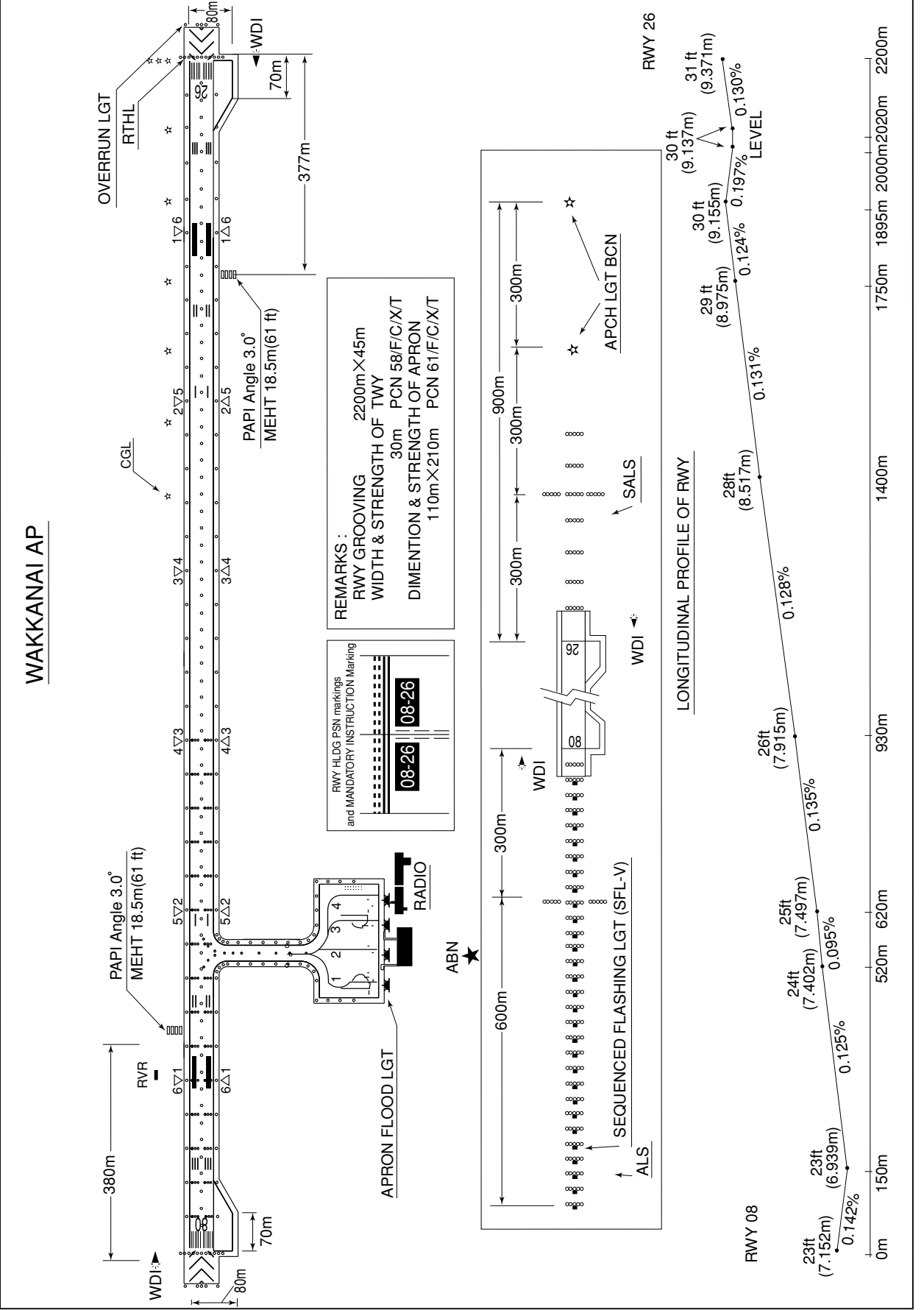


RJCW / WAKKANAI

AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJCW / WAKKANAI

SID

PANKE TWO DEPARTURE

RWY08 : Climb RWY HDG to 900FT, turn right HDG 220°...

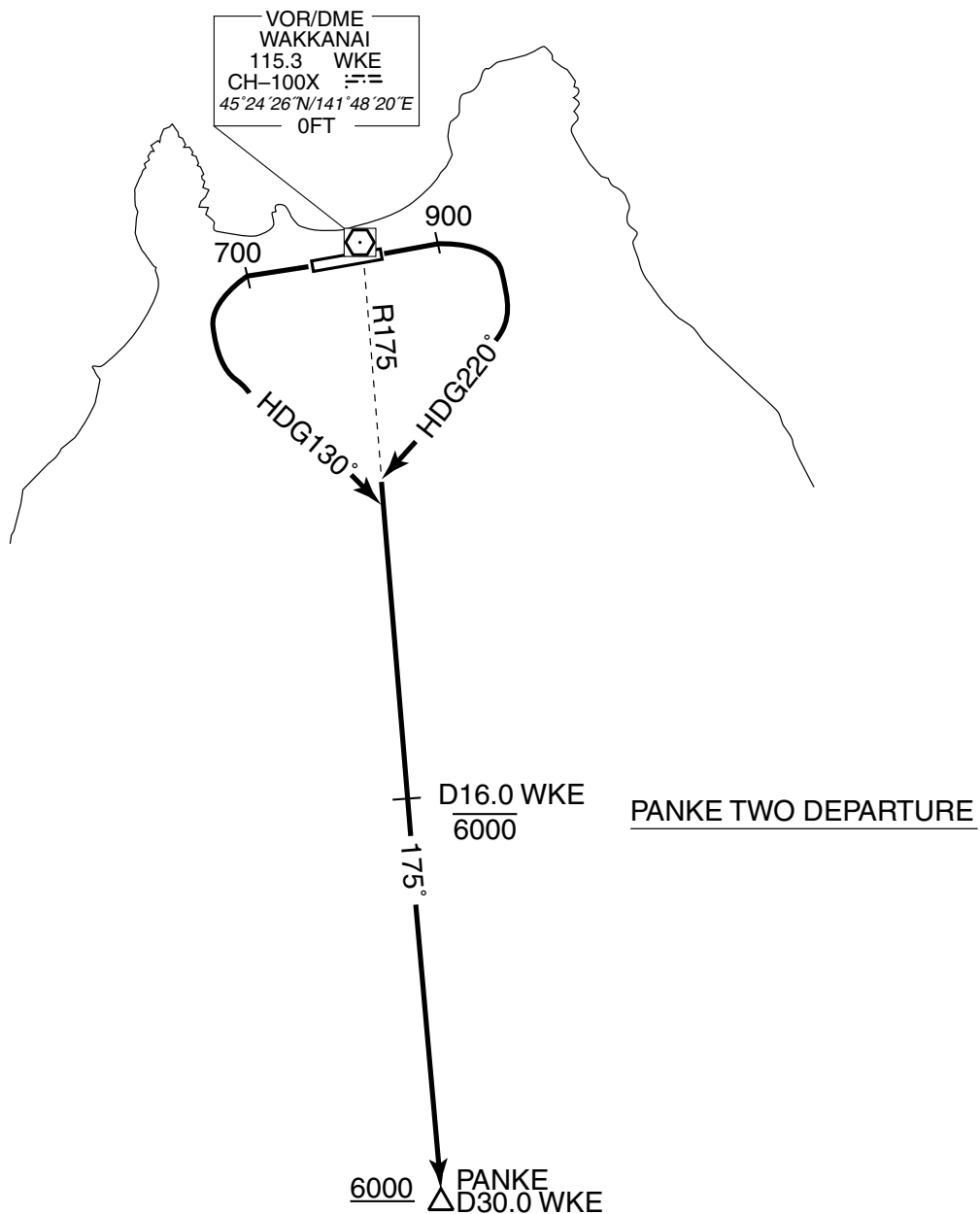
RWY26 : Climb RWY HDG to 700FT, turn left HDG 130°...

...to intercept and proceed via WKE R175 to PANKE.

Cross WKE R175/16.0DME at or below 6000FT, cross PANKE at or above 6000FT.

NOTE RWY08 : 4.4% climb gradient required up to 900FT.

OBST ALT 591FT located at 2.6NM 096° FM end of RWY08.



STANDARD DEPARTURE CHART - INSTRUMENT

RJCW / WAKKANAI

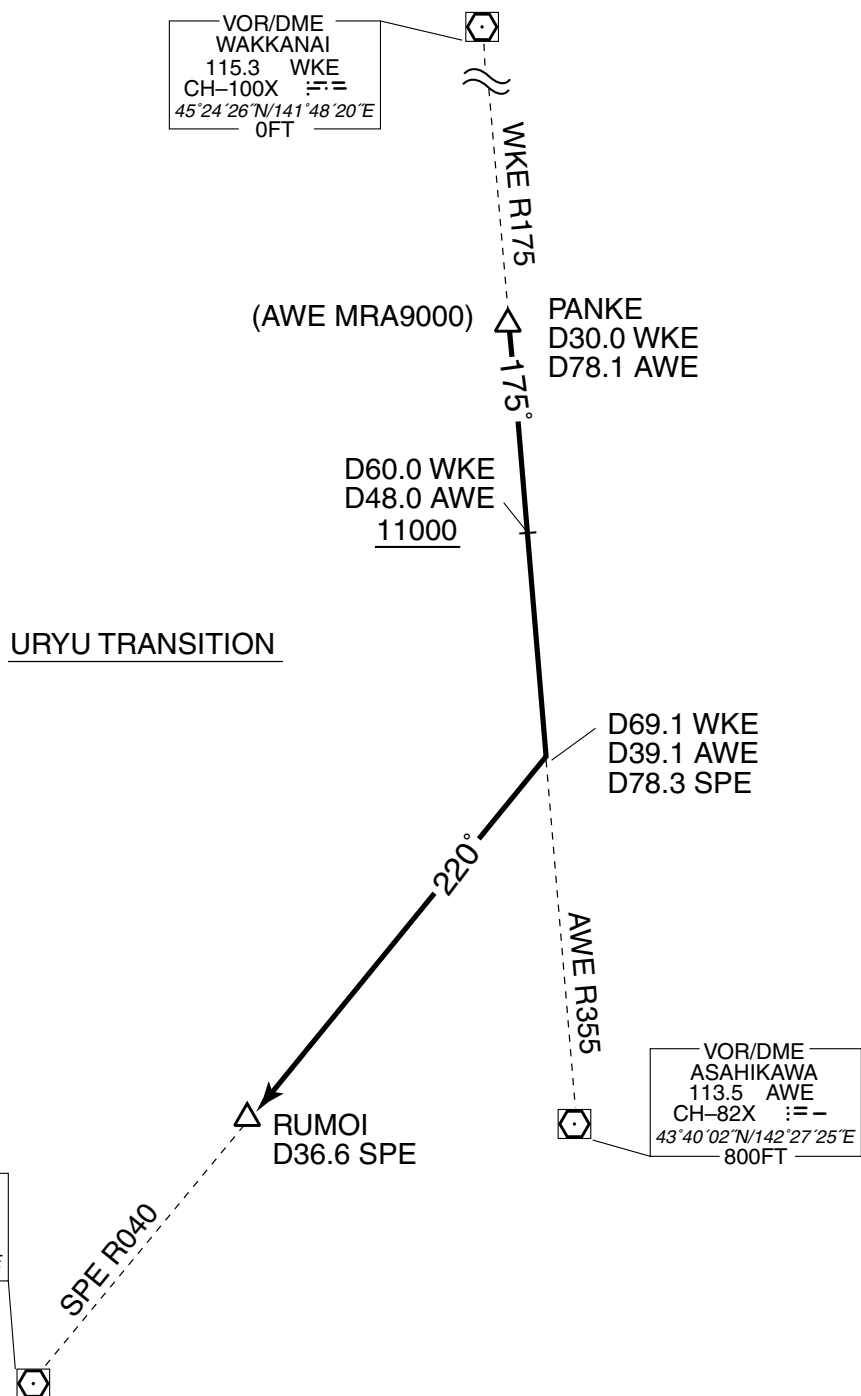
TRANSITION

URYU TRANSITION

From over PANKE, proceed via WKE R175/AWE R355 to intercept and proceed via SPE R040 to RUMOI.

Cross WKE R175/60.0DME (AWE R355/48.0DME) at or above 11000FT.

NOTE : PANKE AWE MRA 9000FT.



STANDARD DEPARTURE CHART - INSTRUMENT

RJCW / WAKKANAI

SID

RUMOI FIVE DEPARTURE

RWY08 : Climb RWY HDG to 900FT, turn right HDG 237°...

RWY26 : Climb RWY HDG to 700FT, turn left HDG 147°...

...to intercept and proceed via WKE R192/CHE R011 to RUMOI.

NOTE RWY08 : 4.4% climb gradient required up to 900FT.

OBST ALT 591FT located at 2.6NM 096° FM end of RWY08.

RUMOI WKE MRA FL140.

RUMOI FIVE DEPARTURE



STANDARD DEPARTURE CHART - INSTRUMENT

RJCW / WAKKANAI

SID

WAKKANAI REVERSAL ONE DEPARTURE

RWY08 : Climb RWY HDG to 900FT, turn left HDG302°...

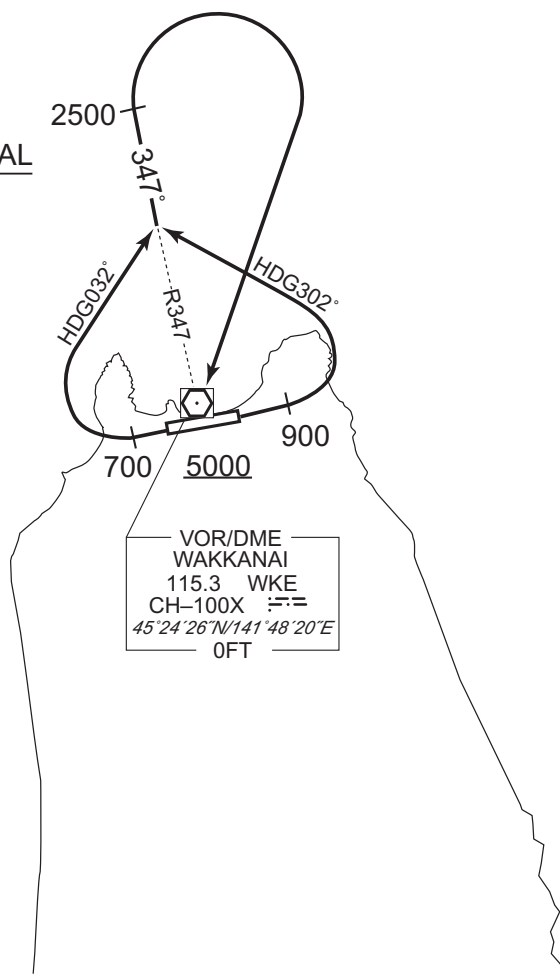
RWY26 : Climb RWY HDG to 700FT, turn right HDG032°...

...to intercept and proceed via WKE R347 to 2500FT, turn right direct to WKE VOR/DME.

Cross WKE VOR/DME at or above 5000FT.

NOTE RWY08 : 4.4% climb gradient required up to 900FT.

OBST ALT 591FT located at 2.6NM 096° FM end of RWY08.

WAKKANAI REVERSAL
ONE DEPARTURE

STANDARD DEPARTURE CHART - INSTRUMENT

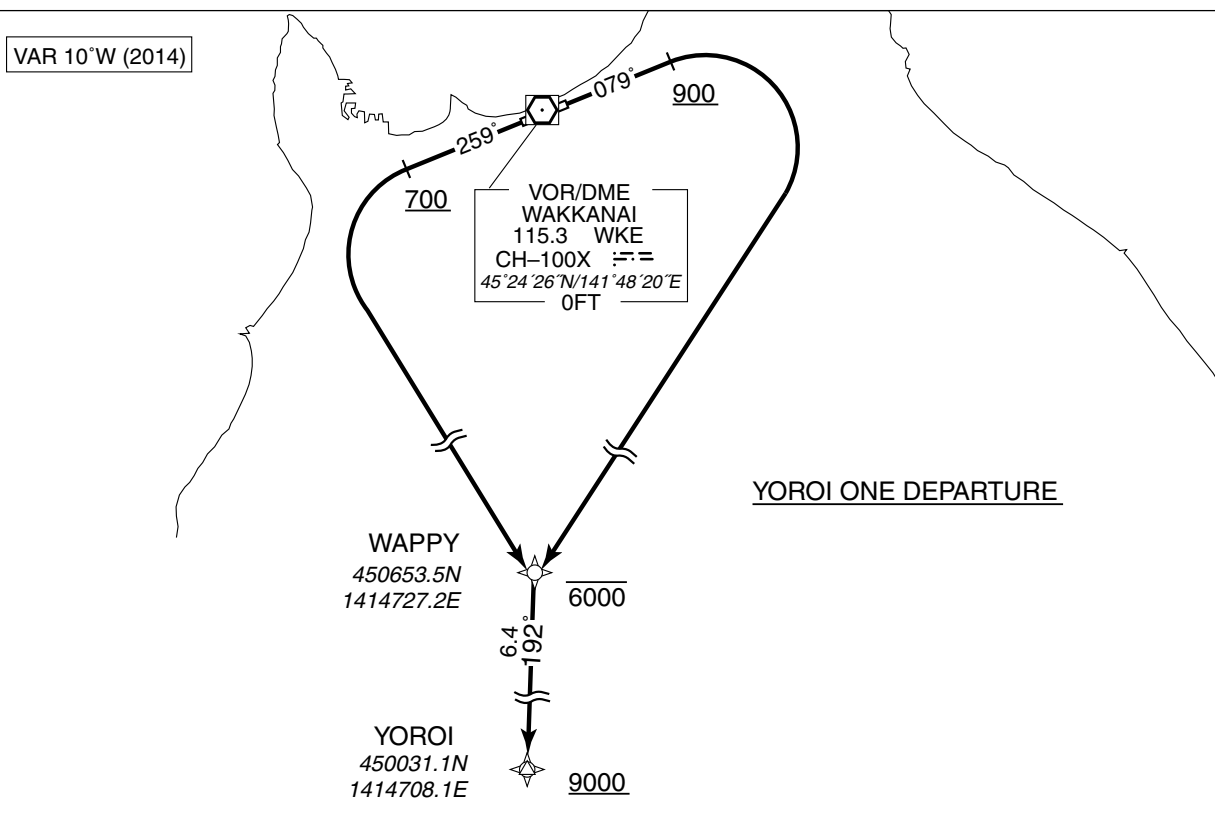
RJCW / WAKKANAI

RNAV SID

YOROI ONE DEPARTURE

Basic RNP1

Note GNSS required.

YOROI ONE DEPARTURE

RWY08 : Climb on HDG079° at or above 900FT, turn right direct to WAPPY at or below 6000FT, to YOROI at or above 9000FT.

RWY26 : Climb on HDG259° at or above 700FT, turn left direct to WAPPY at or below 6000FT, to YOROI at or above 9000FT.

Note RWY08 : 6.0% climb gradient required up to 900FT.

RWY26 : 5.0% climb gradient required up to 700FT.

RWY08

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	—	—	079 (068.8)	-9.9	—	—	+900	—	—	Basic RNP1
002	DF	WAPPY	—	—	-9.9	—	R	-6000	—	—	Basic RNP1
003	TF	YOROI	—	192 (182.0)	-9.9	6.4	—	+9000	—	—	Basic RNP1

RWY26

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	—	—	259 (248.9)	-9.9	—	—	+700	—	—	Basic RNP1
002	DF	WAPPY	—	—	-9.9	—	L	-6000	—	—	Basic RNP1
003	TF	YOROI	—	192 (182.0)	-9.9	6.4	—	+9000	—	—	Basic RNP1

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STANDARD ARRIVAL CHART-INSTRUMENT

RJCW / WAKKANAI

STAR

IKURA ARRIVAL

From over KABTO, turn right proceed via WKE 10.0DME counterclockwise ARC to IKURA.

Cross WKE R120 at or above 2100FT, cross IKURA at or above 2000FT.



STANDARD ARRIVAL CHART - INSTRUMENT

RJCW / WAKKANAI

RNAV STAR

DASSY ARRIVAL

Basic RNP1

Note GNSS required.

VAR 10°W (2014)

DASSY ARRIVAL

From YOROI, to DASSY at or above 3000FT.

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	IF	YOROI	—	—	-9.9	—	—	—	—	—	Basic RNP1
002	TF	DASSY	—	012 (002.0)	-9.9	16.6	—	+3000	—	—	Basic RNP1

INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

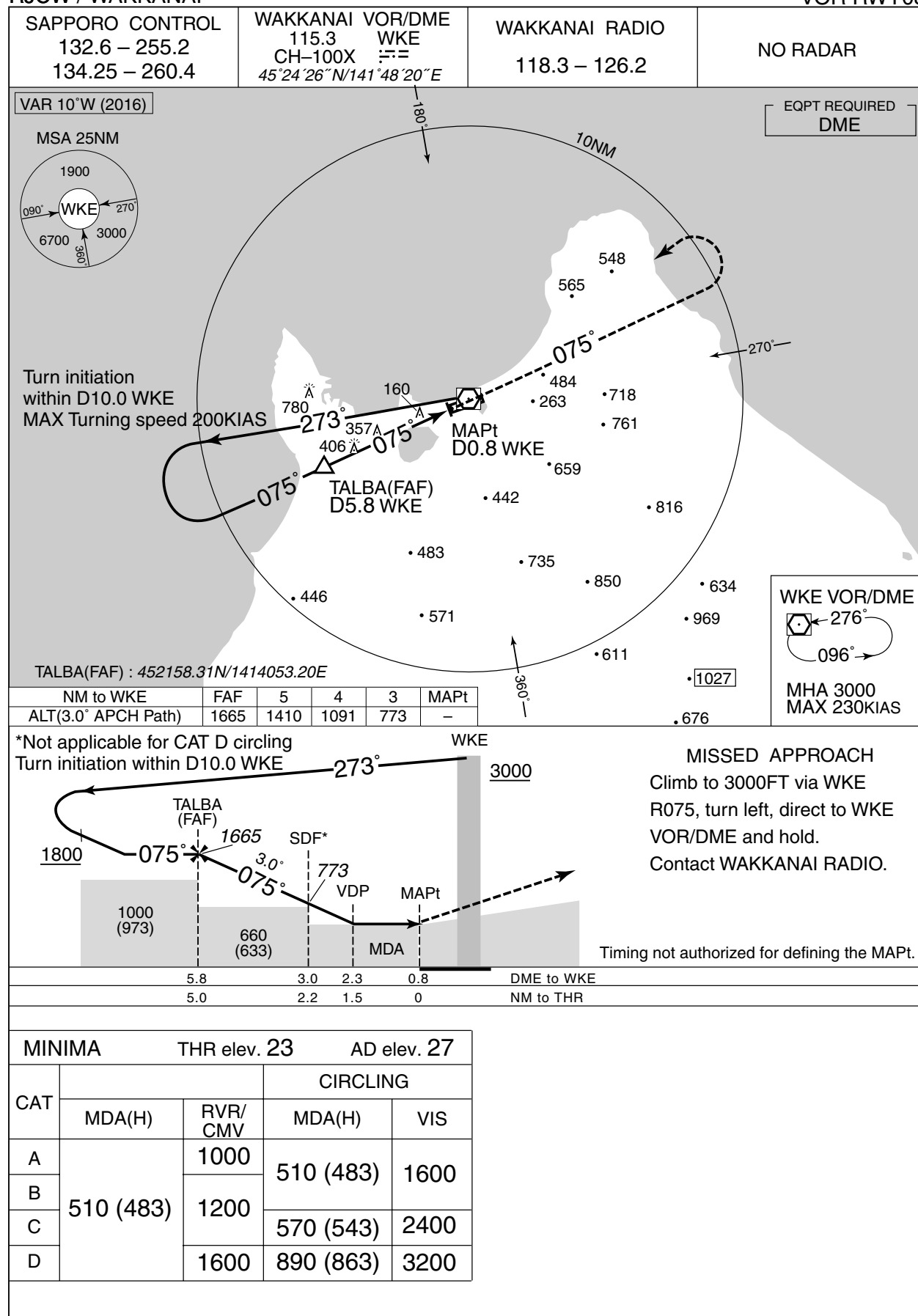
ILS or LOC RWY08



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

VOR RWY08



RJCW / WAKKANAI

VOR RWY26

VAR 10°W (2016)

MSA 25NM

1900
090° → WKE ← 270°
6700 ↑ 3000 ↓ 360°

EQPT REQUIRED DME

10NM

D10.0 WKE ARC

IKURA(IF)
D10.0 WKE

UNIEY(FAF)
D5.0 WKE

MAPt
D0.4 WKE

WKE VOR/DME

MHA 3000
MAX 230KIAS

NM to WKE	MAPt	2	3	4	FAF
ALT(3.5' APCH Path)	-	676	1047	1419	1791

UNIEY(FAF) : 452547.09N/1415510.72E

*Not applicable for CAT D circling

WKE 012° R012 D10.0 D10.0 WKE ARC

3000 MAPt SDF UNIEY (FAF) IKURA (IF)

862 1233 1791 264° 2000

860 (833) 1200 1300

MDA 0.4 2.5 3.5 5.0 10.0

0 2.1 3.2 4.6 9.6

to WKE to THR

MINIMA		THR elev. 31	AD elev. 27	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	490 (463)	1400	490 (463)	1600
B		1500	500 (473)	
C		1600	570 (543)	2400
D		1800	890 (863)	3200

INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

VOR A



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

RNAV(RNP) RWY08



MISSED APPROACH
 From RW08 on track 079°,
 at or above 1000FT turn right,
 direct to DASSY and hold at
 3000FT.
 Contact WAKKANAI RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 23 AD elev. 27

CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	—	—
B	—	—
C	323 (300)	1000
D	323 (300)	1400

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

RNP AR
Special Authorization Required

INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

RNAV(RNP) RWY08

RNAV(RNP) RWY08Coding 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	DASSY	—	—	-9.9	—	—	+3000	-210	—	—
002	TF	CW850	—	330 (320.5)	-9.9	3.6	—	2000	-165	—	1.0
003	TF	CW851	—	330 (320.5)	-9.9	0.7	—	1781	—	-3.00	0.3
004	RF Center: CWRF1 r=2.01NM	CW852	—	—	-9.9	3.8	R	568	—	-3.00	0.3
005	TF	RW08	Y	079 (068.8)	-9.9	1.5	—	77	—	-3.00/54	0.3
006	FA	—	—	079 (068.8)	-9.9	—	—	+1000	—	—	1.0
007	DF	DASSY	—	—	-9.9	—	R	3000	—	—	1.0

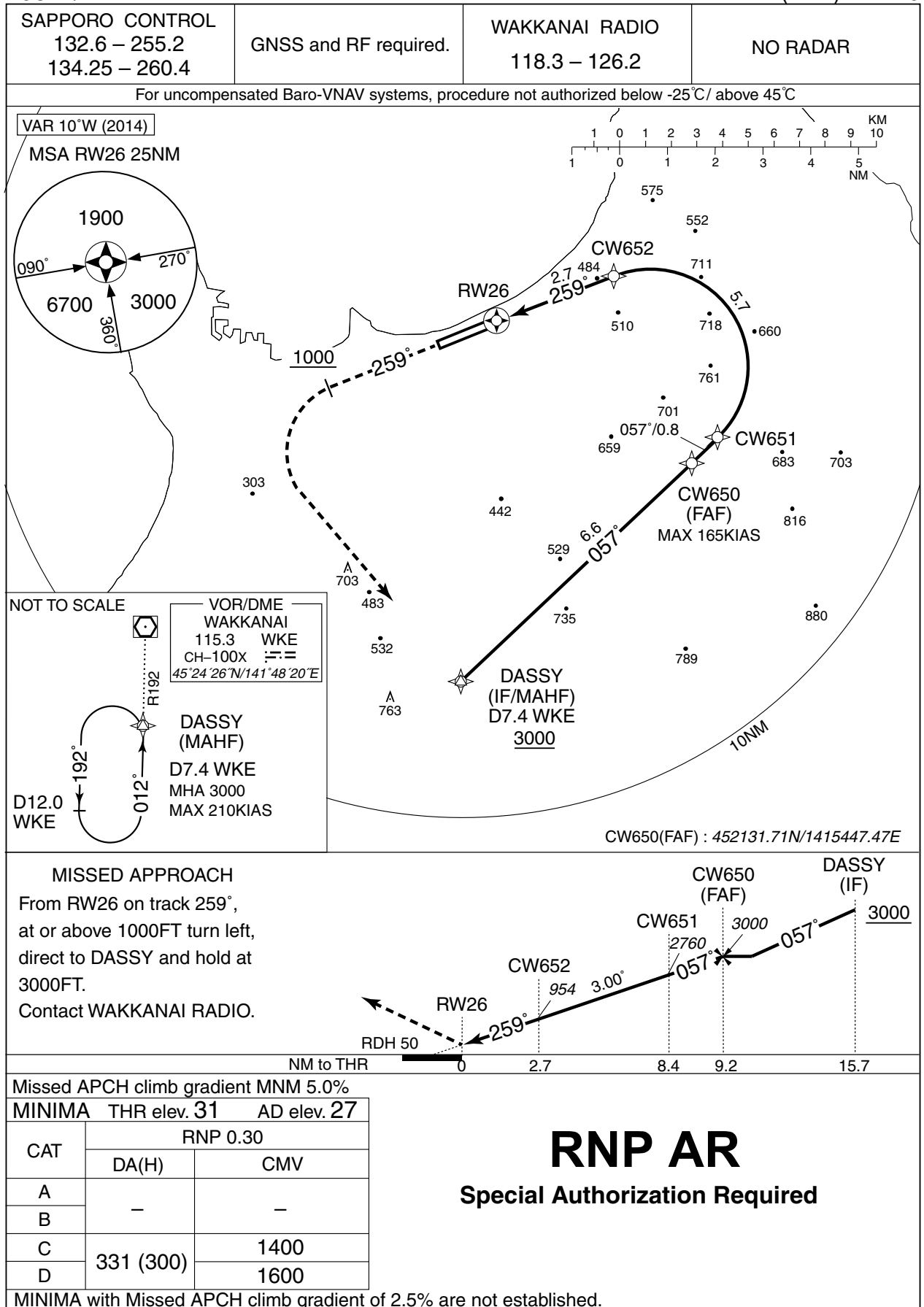
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
CW850	451948.50N/1414445.13E	CWRF1	452137.25N/1414619.72E
CW851	452020.32N/1414407.80E		
CW852	452329.85N/1414518.02E		
RW08	452403.14N/1414720.43E		
DASSY	451703.92N/1414757.93E		

INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

RNAV(RNP) RWY26



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

RNAV(RNP) RWY26

RNAV(RNP) RWY26Coding 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	DASSY	—	—	-9.9	—	—	+3000	—	—	—
002	TF	CW650	—	057 (047.0)	-9.9	6.6	—	3000	-165	—	1.0
003	TF	CW651	—	057 (047.1)	-9.9	0.8	—	2760	—	-3.00	0.3
004	RF Center: CWRF2 r=2.05NM	CW652	—	—	-9.9	5.7	L	954	—	-3.00	0.3
005	TF	RW26	Y	259 (248.9)	-9.9	2.7	—	81	—	-3.00/50	0.3
006	FA	—	—	259 (248.9)	-9.9	—	—	+1000	—	—	1.0
007	DF	DASSY	—	—	-9.9	—	L	3000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
CW650	452131.71N/1415447.47E	CWRF2	452332.87N/1415335.73E
CW651	452202.42N/1415534.54E		
CW652	452527.92N/1415232.94E		
RW26	452428.77N/1414854.78E		
DASSY	451703.92N/1414757.93E		

RJCW / WAKKANAI

Visual REP

VAR 10°W(2005) / 1°W

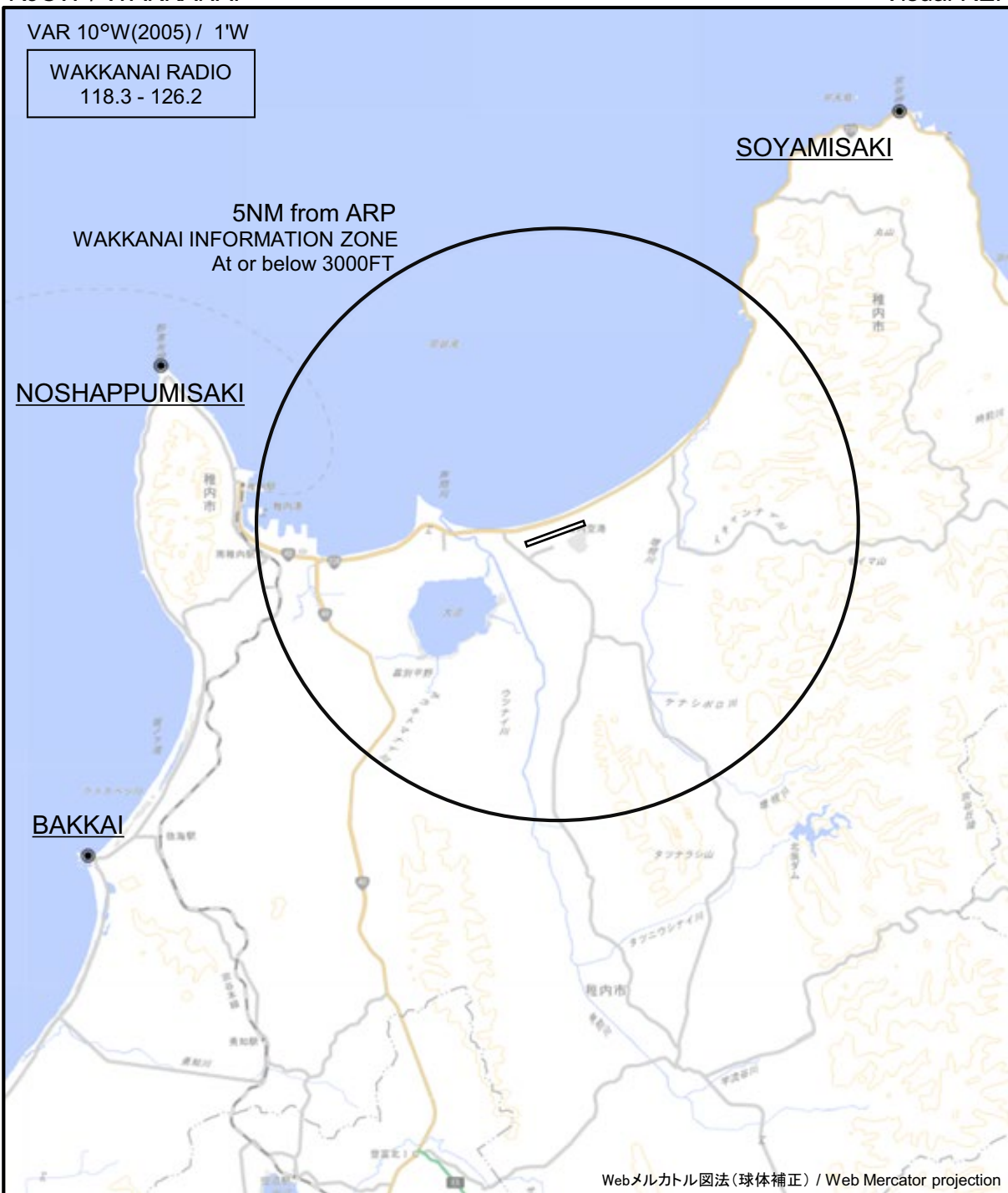
WAKKANAI RADIO
118.3 - 126.2

5NM from ARP
WAKKANAI INFORMATION ZONE
At or below 3000FT

NOSHAPPUMISAKI

SOYAMISAKI

BAKKAI



※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
宗谷岬 Soyamisaki	039°T / 9.0NM	灯台 Lighthouse
野寒布岬 Noshappumisaki	292°T / 7.2NM	灯台 Lighthouse
抜海 Bakkai	234°T / 9.7NM	岬 Cape



Remarks : Interference by foreign broadcast exists on 126.2

RJCW / WAKKANAI

Minimum Vectoring Altitude CHART

