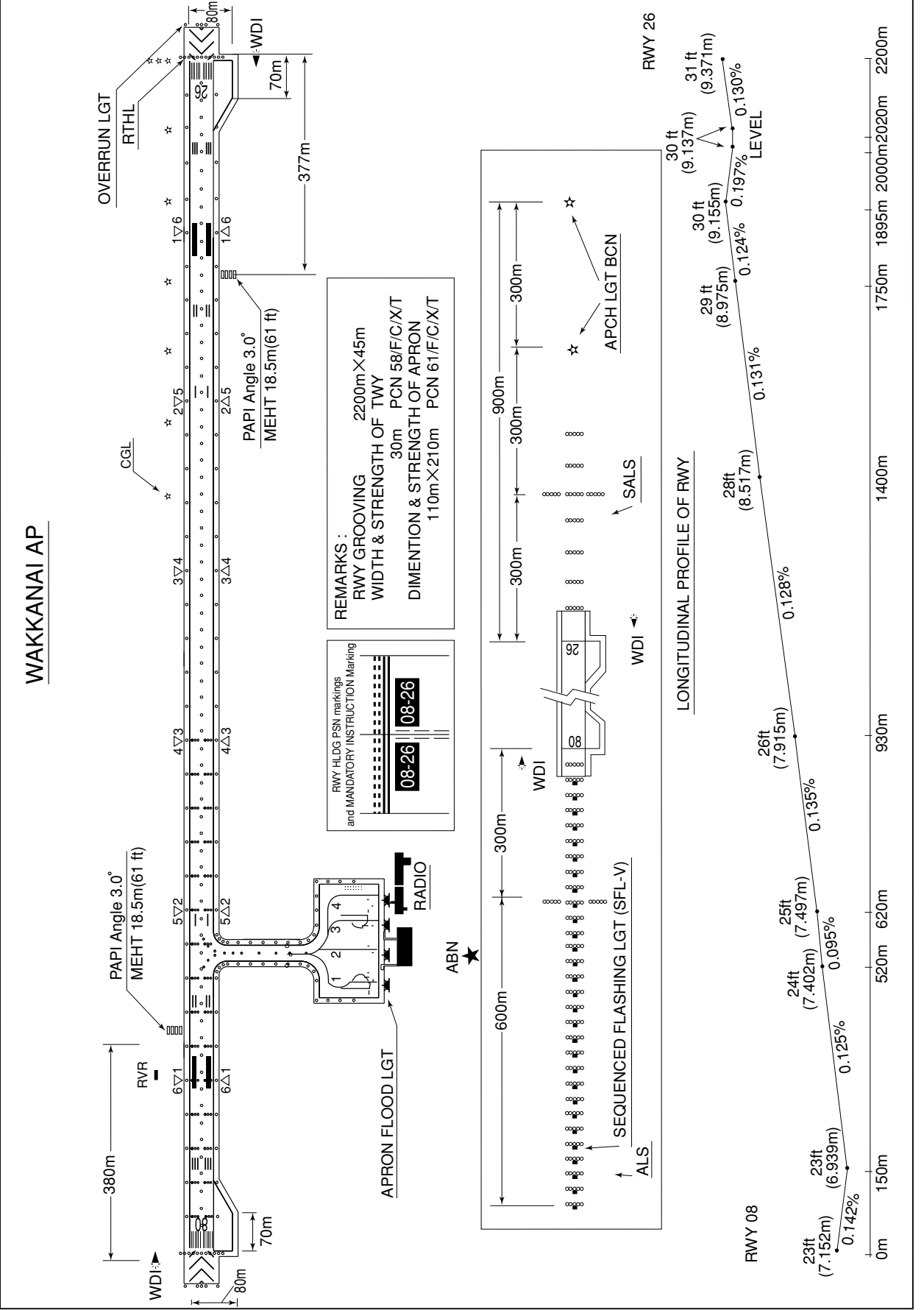


RJCW / WAKKANAI

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°...

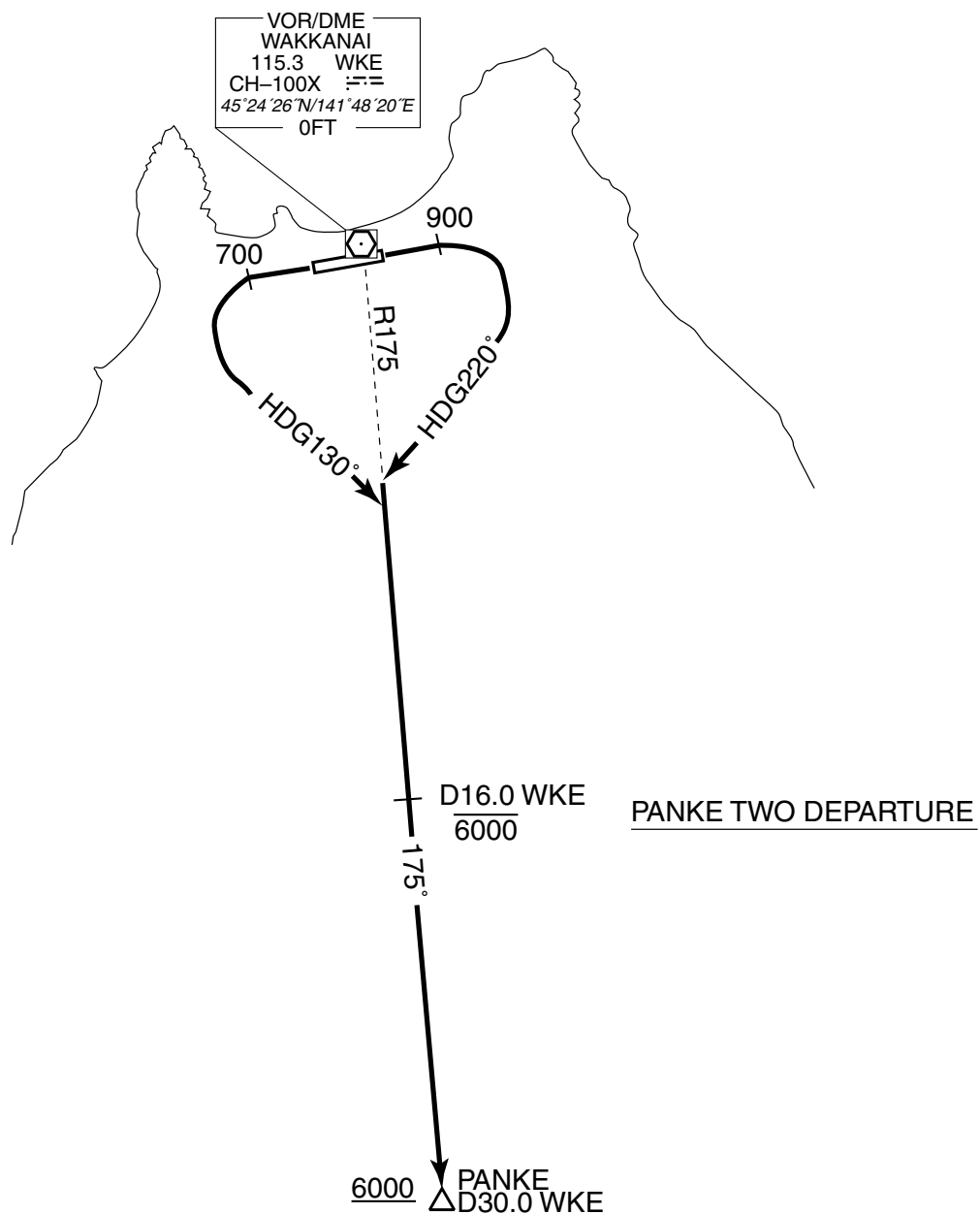
RWY26 : Climb RWY HDG to 700FT, turn left HDG 130°...

...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

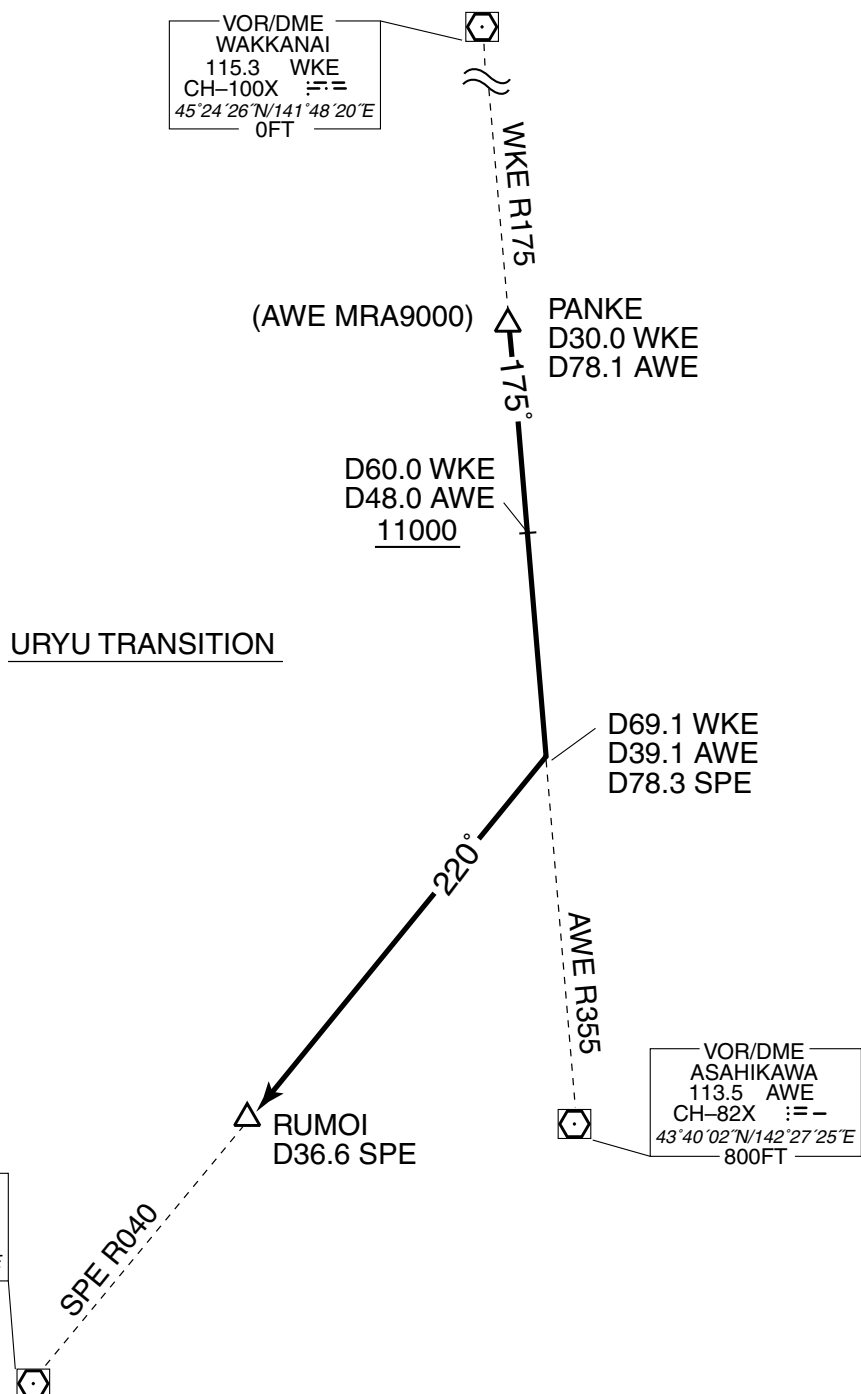
TRANSITION

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°...

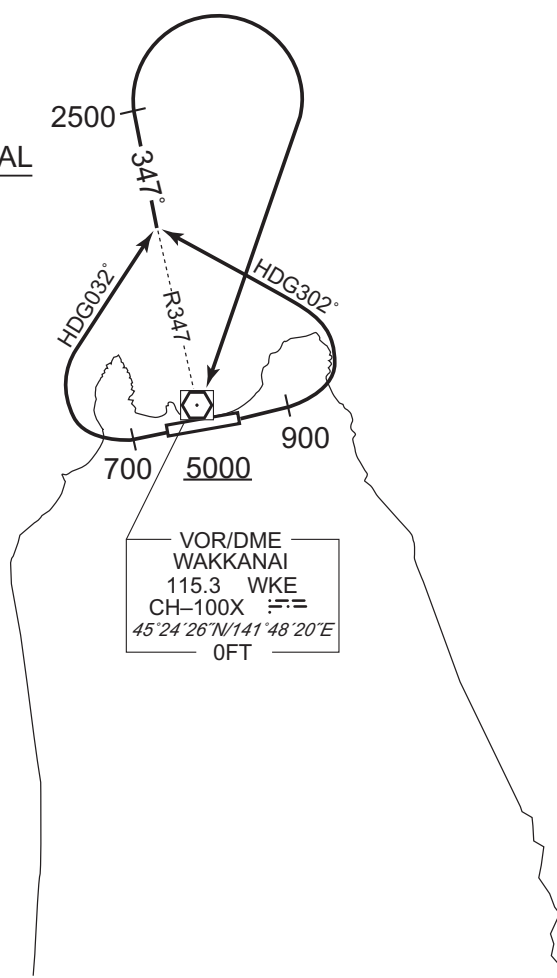
RWY26 : Climb RWY HDG to 700FT, turn right HDG032°...

...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

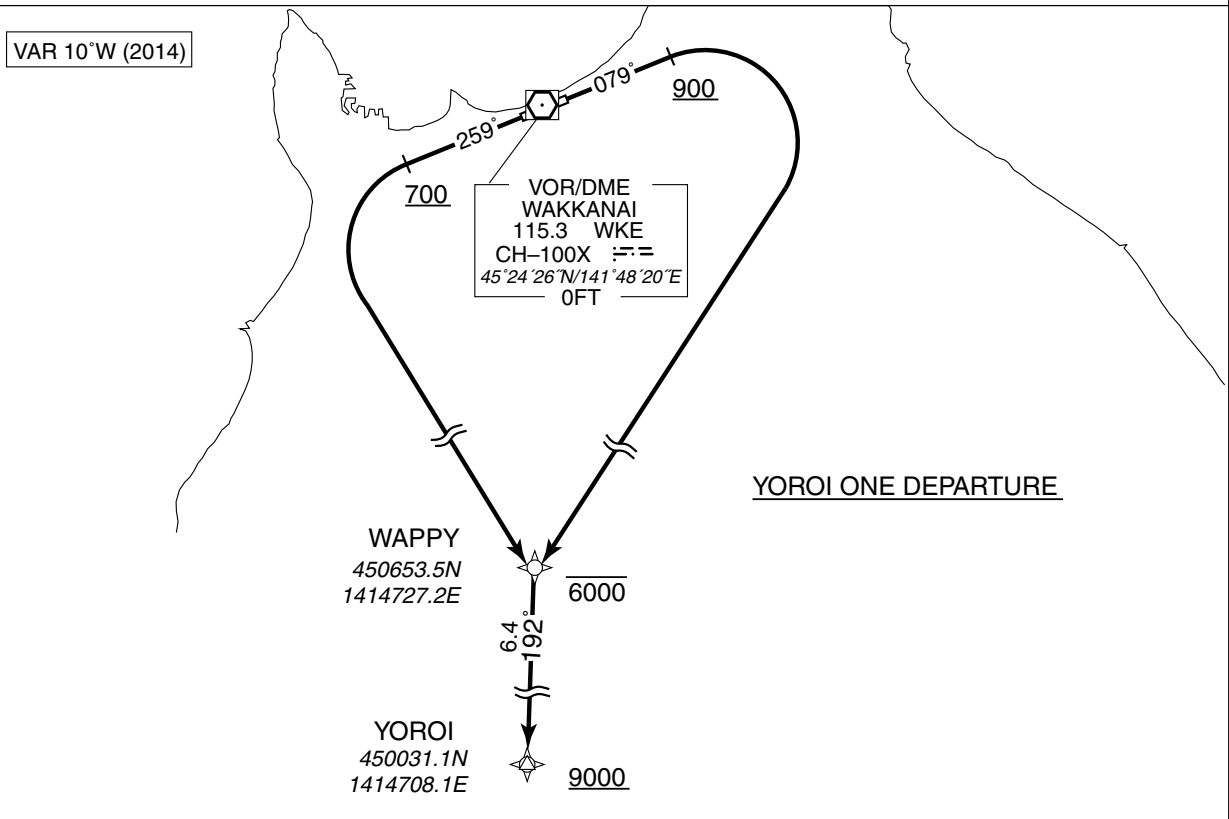
RJCW / WAKKANAI

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

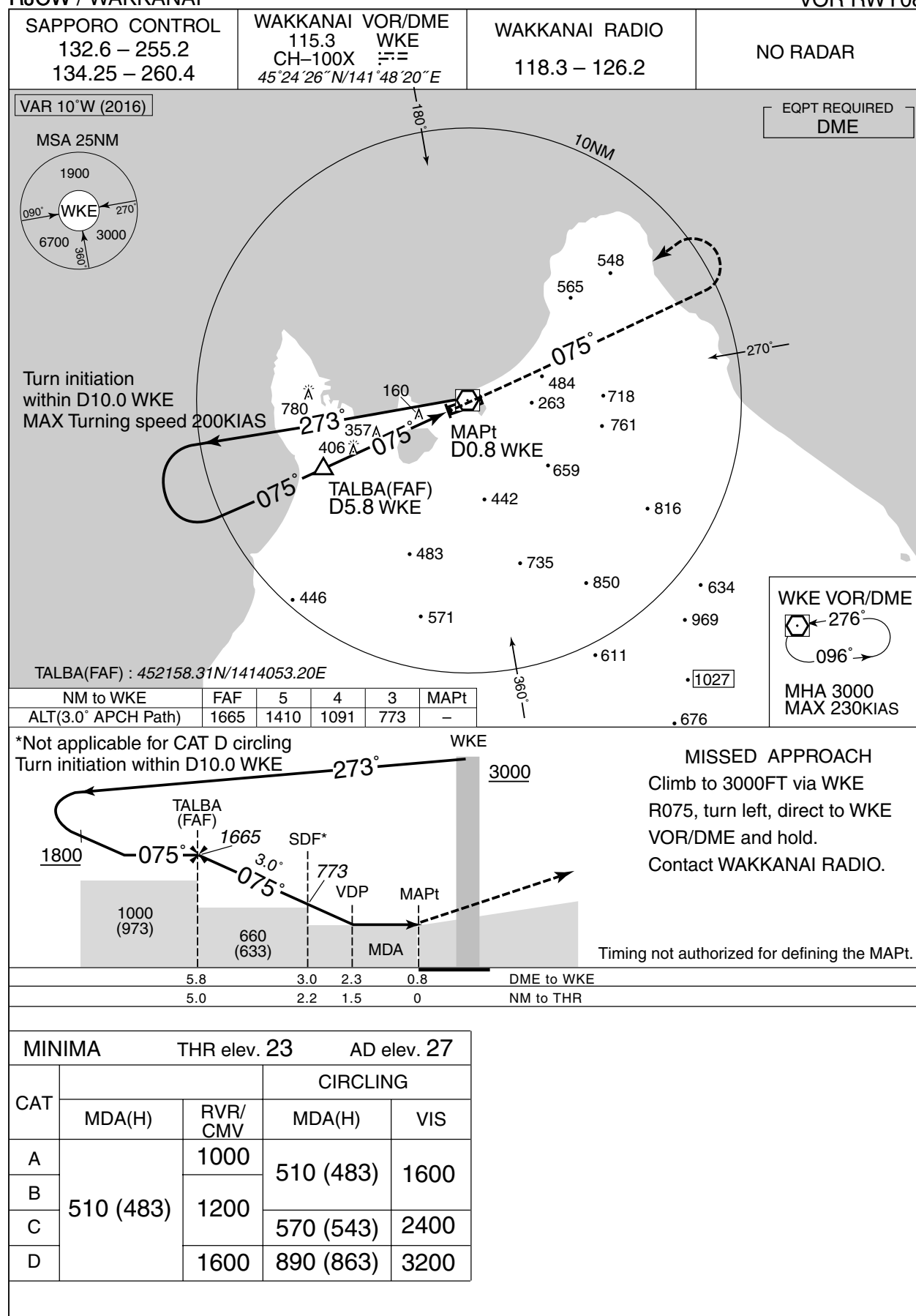
ILS or LOC RWY08



## INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

VOR RWY08



## INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

VOR RWY26



## 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		



## RJCW / WAKKANAI

SAPPORO CONTROL 132.6 – 255.2 134.25 – 260.4	GNSS and RF required.	WAKKANAI RADIO 118.3 – 126.2	NO RADAR
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**VOR 10°W (2014)**

**MSA RW26 25NM**

**1900**

**090°**

**270°**

**6700**

**3000**

**1000**

**-259°**

**RW26**

**CW652**

**2.7 484**

**259°**

**510**

**552**

**711**

**718**

**761**

**701**

**057°/0.8**

**659**

**CW651**

**683**

**703**

**CW650 (FAF)**

**MAX 165KIAS**

**816**

**880**

**789**

**735**

**529**

**6.6**

**057°**

**DASSY (IF/MAHF)**

**D7.4 WKE**

**3000**

**NOT TO SCALE**

**VOR/DME WAKKANAI**

**115.3 WKE**

**CH-100X**

**45°24'26"N/141°48'20"E**

**R192**

**DASSY (MAHF)**

**D7.4 WKE**

**MHA 3000**

**MAX 210KIAS**

**012°**

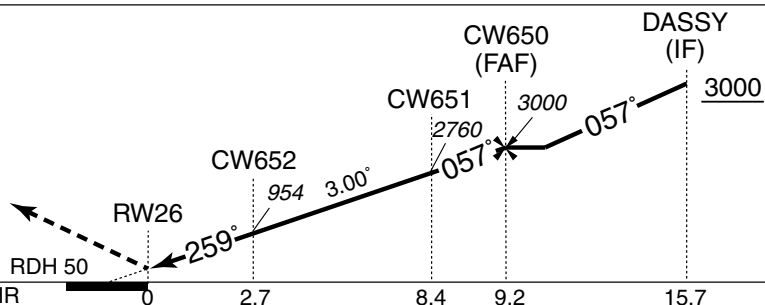
**192°**

**D12.0 WKE**

**10NM**

**CW650(FAF) : 452131.71N/1415447.47E**

**MISSED APPROACH**  
From RW26 on track 259°,  
at or above 1000FT turn left,  
direct to DASSY and hold at  
3000FT.  
Contact WAKKANAI RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 31	AD elev. 27
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CAT	RNP 0.30	
	DA(H)	CMV
A	331 (300)	—
B		—
C		1400
D		1600

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

**RNP AR**  
**Special Authorization Required**

## 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

