

AD 2 AERODROMES

RJCW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJCW - WAKKANAI

RJCW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	452416N/1414808E 033°/600m from TWR
2	Direction and distance from (city)	10km ESE from Wakkanai city
3	Elevation/ Reference temperature	27FT / 24°C (2004-2008)
4	Geoid undulation at AD ELEV PSN	89FT
5	MAG VAR/ Annual change	10°W(2005) / 1°W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Civil Aviation Bureau, MLIT 6744 Koetoi Wakkanai-shi in Hokkaido AFS: RJCWYFYX TEL : 0162-27-2727 FAX : 0162-27-2730 TEL(AIS) : 0162-27-2740
7	Types of traffic permitted (IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJCW AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330 - 0930
2	Customs and immigration	On request Customs: 0162-33-1075 Immigration: 0162-23-3269
3	Health and sanitation	Quarantine(human): On request(0162-23-4403) Quarantine(animal, plant): Nil
4	AIS Briefing Office	2330 - 0930
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (NEW CHITOSE)
7	ATS	2330 - 0930
8	Fuelling	Ask AD administration
9	Handling	Ask AD administration
10	Security	Ask AD administration
11	De-icing	Ask AD administration
12	Remarks	Nil

RJCW AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	B767-300 AVBL
2	Fuel/ oil types	Fuel : Jet A1 / Oil : Nil
3	Fuelling facilities/ capacity	Fuel Truck / 200liter/min (Pistol Nozzle)
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJCW AD 2.5 PASSENGER FACILITIES

1	Hotels	Nil
2	Restaurants	At Airport, Not continuous
3	Transportation	Busses (For scheduled Flight) and Taxis
4	Medical facilities	Hospital in Wakkanai-shi (13km from airport)
5	Bank and Post Office	Nil
6	Tourist Office	Nil
7	Remarks	Nil

RJCW AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 8
2	Rescue equipment	Chemical fire fighting truck x 3 Water-supply truck Emergency medical equipments conveyance truck Lighting power supply truck
3	Capability for removal of disabled aircraft	B767
4	Remarks	Nil

RJCW AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Snow removal equipment: Snow sweepers x 7, Snow plows x 6, Snow blowers x 3, Salt spreader x 1, Loaders x 3 (available NOV-MAR)
2	Clearance priorities	(1) RWY, TWY, APRON(Spot NR1,2,3) (2) APRON(Spot NR4)
3	Remarks	Seasonal availability: All seasons

RJCW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Concrete and Asphalt Strength : PCN 61/F/C/X/T
2	Taxiway width, surface and strength	Width : 30m Surface : Asphalt Strength : PCN 58/F/C/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	(Spot NR) 1: 452359.19N,1414747.12E 2: 452359.89N,1414749.70E 3: 452400.48N,1414751.96E 4: 452401.01N,1414753.89E
6	Remarks	Nil

RJCW AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY : RWY 08/26 (Marking) RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe (LGT) RCLL, REDL, RTHL, RENL, RTZL(RWY 08 side only), RWY DIST marker LGT, Turning point indicator LGT, WBAR TWY: (Marking) TWY CL, TWY side stripe, RWY HLDG PSN, Mandatory instruction (LGT) TWY edge LGT, TWY CL LGT
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) Apron flood LGT

1. 滑走路中心線からターニングパッド中心線標識に従って進行する。
2. 経路目標標識1または転回灯1が一直線に見えるように進行し、経路目標標識2または転回灯2が一直線に見えた時転回を開始する。転回時のSTEERING ANGLEは45度以上を使用する。

1. Proceed along the RWY Center Line to the starting point of the RWY Turn Pad Center Line Marking; then
2. Proceed along the RWY Turn Pad Center Line Marking to see RWY Turn Pad Aiming Marker 1 or Turning Point Indicator Light 1 on a straight line, then commence turn at the spot where you (pilot) can see the RWY Turn Pad Aiming Marker 2 or Turning Point Indicator Light 2 on a straight line at an angle of 9 o'clock. When turning, take 45° or more steering angle.



RJCW AD 2.10 AERODROME OBSTACLES

In Area2 See Obstacle data

Other obstacles

OBST ID/ designation	Obstacle type	Coordinates	Elevation	Markings/ LGT	Remarks
RJCW1	Traffic Sign	452350N/1414712E	42ft	-/LIL	Under APCH SFC
RJCW2	Lighting	452401N/1414653E	51ft	-/LIL	Under APCH SFC
RJCW3	Pole	452353N/1414707E	43ft	-/LIL	Under APCH SFC
RJCW4	Antenna	452426N/1414820E	45ft	-/LIL	Under transitional SFC
RJCW5	Pole	452351N/1414710E	53ft	-/LIL	Under transitional SFC

In Area3 To be developed

RJCW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NEW CHITOSE
2	Hours of service MET Office outside hours	H24 (NEW CHITOSE)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at NEW CHITOSE
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S ₆ , U ₈₅ , U ₇ , U ₅ , U ₃ , U ₂₅ , U ₂ /Tr, P _S , P ₅ , P ₃ , P ₂₅ , P _{SWE} , P _{SWF} , P _{SWG} , P _{SWI} , P _{SWM} , P _{SW} (domestic), E, C, W _E , W _F , W _G , W _I , W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information (limitation of service, etc.)	Nil

RJCW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
08	068.90°	2200x45	PCN	452403.14N/1414720.43E	THR ELEV : 23.5FT
26	248.90°	2200x45	58/F/C/X/T Asphalt	89.0FT 452428.77N/1414854.78E	TDZ ELEV : 25.8FT THR ELEV : 31FT
				89FT	
Slope of RWY		Strip Dimensions(M)	RESA(Overrun) Dimensions(M)		Remarks
7		10	11		14
See AD 2.24 AD Chart		2320x300	240x300		RWY Grooving 2200m x 45m
		2320x300	240x300		

RJCW AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
08	2200	2200	2200	2200	Nil
26	2200	2200	2200	2200	Nil

RJCW AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
08	PALS (CAT I) 900M LIH	Green Green	PAPI 3.0°/LEFT 380m 60.7FT	900m	2200m 30m Coded color (White/Red) LIH	2200m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
26	SALS (*1) LIH	Green Green	PAPI 3.0°/LEFT 377m 61FT	Nil	2200m 30m Coded color (White/Red) LIH	2200m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
Remarks								
10								
SALS with APCH LGT beacon(600m and 900m FM RWY THR)(*1) Overrun area edge LGT(LEN: 60m, Color: Red) (*2) CGL for RWY 26								

RJCW AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: 452354N/1414750E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI: Nil Anemometer: RWY 08: 250m from RWY 08 THR RWY 26: 375m from RWY 26 THR
3	TWY edge and centerline lighting	TWY edge and center line lights installed, see AD2.9
4	Secondary power supply/ switch-over time	Within 1 sec: RCLL, REDL, RTHL, RENL, WBAR, Turning point indicator LGT, Overrun area edge LGT Within 15 sec: Other LGT
5	Remarks	WDI LGT

RJCW AD 2.16 HELICOPTER LANDING AREA

Nil

RJCW AD 2.17 ATS AIRSPACE

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Wakkanai Information Zone	Area within a radius of 5nm(9km) of Wakkanai ARP	3,000 or below	E	Wakkanai Radio	

RJCW AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
A/G	Wakkanai Radio	118.3MHz 126.2MHz	2330 - 0930	(1)Primary (2)Interference by foreign broadcast exists

RJCW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (10°W/2016)	WKE	115.3MHz	H24	452426.49N/ 1414820.33E		
DME	WKE	1187MHz (CH-100X)	H24	452426.83N/ 1414819.20E	48.9ft	
ILS-LOC 08	IWK	111.1MHz	2330 - 0930	452431.54N/ 1414904.96E		LOC: 237m(778ft) away FM RWY26 THR, BRG(MAG) 079°.
ILS-GP 08	-	331.7MHz	2330 - 0930	452403.00N/ 1414736.00E		GP: 315m(1034ft) inside FM RWY08 THR, 126m(413ft) S of RCL. ILS reference datum 16.5m(54ft). GP angle 3.0°.
ILS-DME 08	IWK	1009MHz (CH-48X)	2330 - 0930	452402.88N/ 1414736.11E	41ft	DME: 315.9m(1036ft) inside FM RWY08 THR, 130.6m(428ft) S of RCL.



REMARKS : 1. LOC beam BRG(MAG) 079°
 2. HGT of ILS REF datum 16.5m(54ft)
 3. GP Angle 3.0°
 4. ELEV of ILS-DME 12.2m(41ft)

RJCW AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

PPR for all transient aircraft due to Apron congestion.
 Contact AD administration.

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft(General aviation)

Nil

4. Parking area for helicopters

Nil

5. Apron - taxiing during winter conditions

Nil

6. Taxiing - limitations

Nil

7. School and training flights - technical test flights - use of runways

Nil

8. Helicopter traffic - limitation

Nil

9. Removal of disabled aircraft from runways

Nil

RJCW AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJCW AD 2.22 FLIGHT PROCEDURES**TAKE OFF MINIMA**

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	08	A,B,C,D	400m	400m	400m	400m	-	500m
	26	A,B,C,D	-	400m	-	400m	-	500m
OTHER	08	A,B,C,D	AVBL LDG MINIMA					
	26	A,B,C,D						

RJCW AD 2.23 ADDITIONAL INFORMATION

Nil

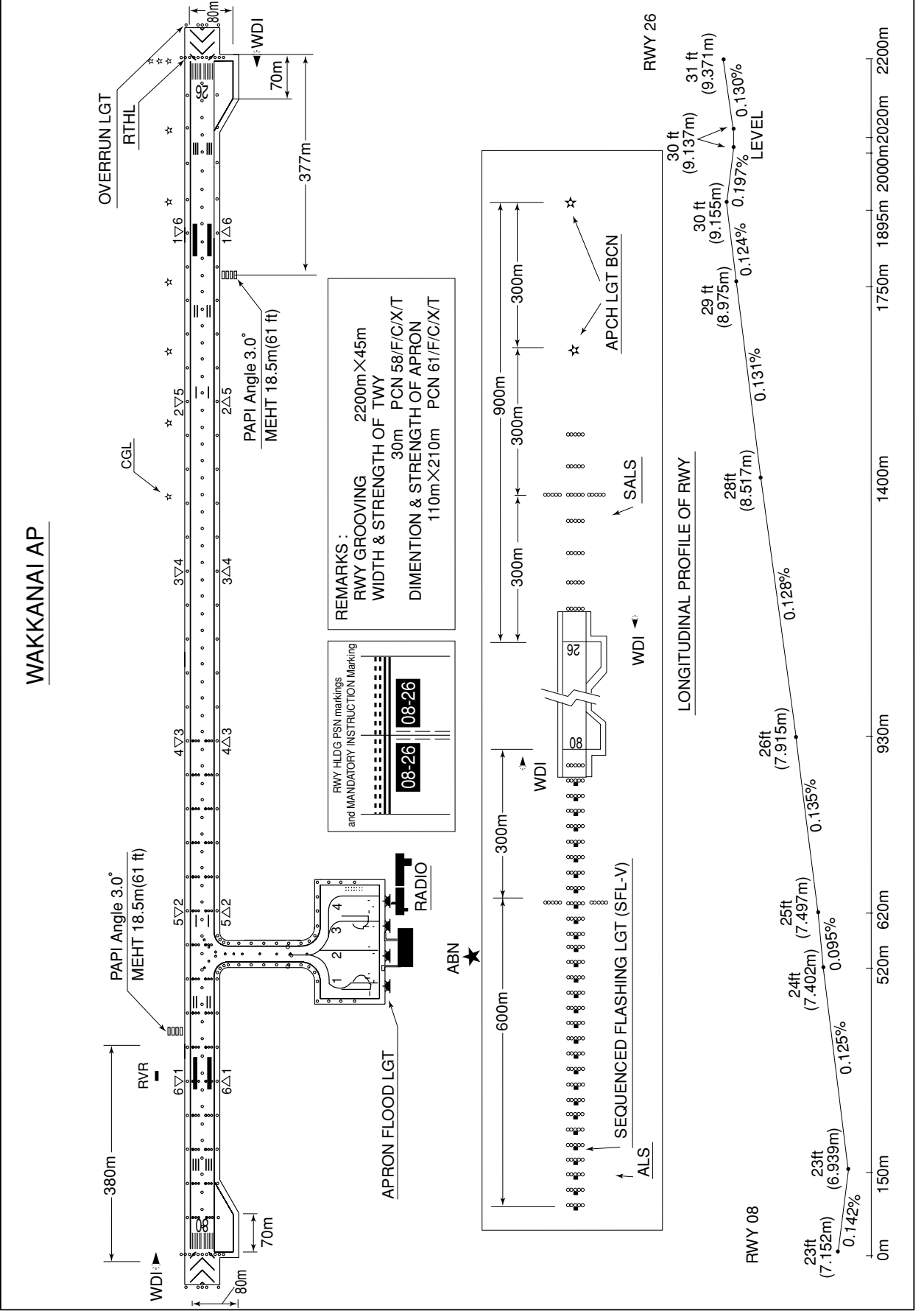
RJCW AD 2.24 CHARTS RELATED TO AN AERODROME

Figure-01 Aerodrome/Heliport Chart
Figure-07 Standard Departure Chart-Instrument (PANKE)
Figure-07 Standard Departure Chart-Instrument (RUMOI)
Figure-07 Standard Departure Chart-Instrument (WAKKANAI REVERSAL)
Figure-07 Standard Departure Chart-Instrument (YOROI-RNAV)
Figure-09 Standard Arrival Chart-Instrument (IKURA)
Figure-09 Standard Arrival Chart-Instrument (DASSY-RNAV)
Figure-10 Instrument Approach Chart (ILS or LOC RWY08)
Figure-10 Instrument Approach Chart (VOR RWY08)
Figure-10 Instrument Approach Chart (VOR RWY26)
Figure-10 Instrument Approach Chart (VOR A)
Figure-10 Instrument Approach Chart (RNAV(RNP) RWY08)
Figure-10 Instrument Approach Chart (RNAV(RNP) RWY26)
Figure-13 Other Chart (Visual REP)
Figure-13 Other Chart (LDG CHART)
Figure-13 Other Chart (MVA CHART)

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RJCW / WAKKANAI

AD CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJCW / WAKKANAI

SID

PANKE TWO DEPARTURE

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

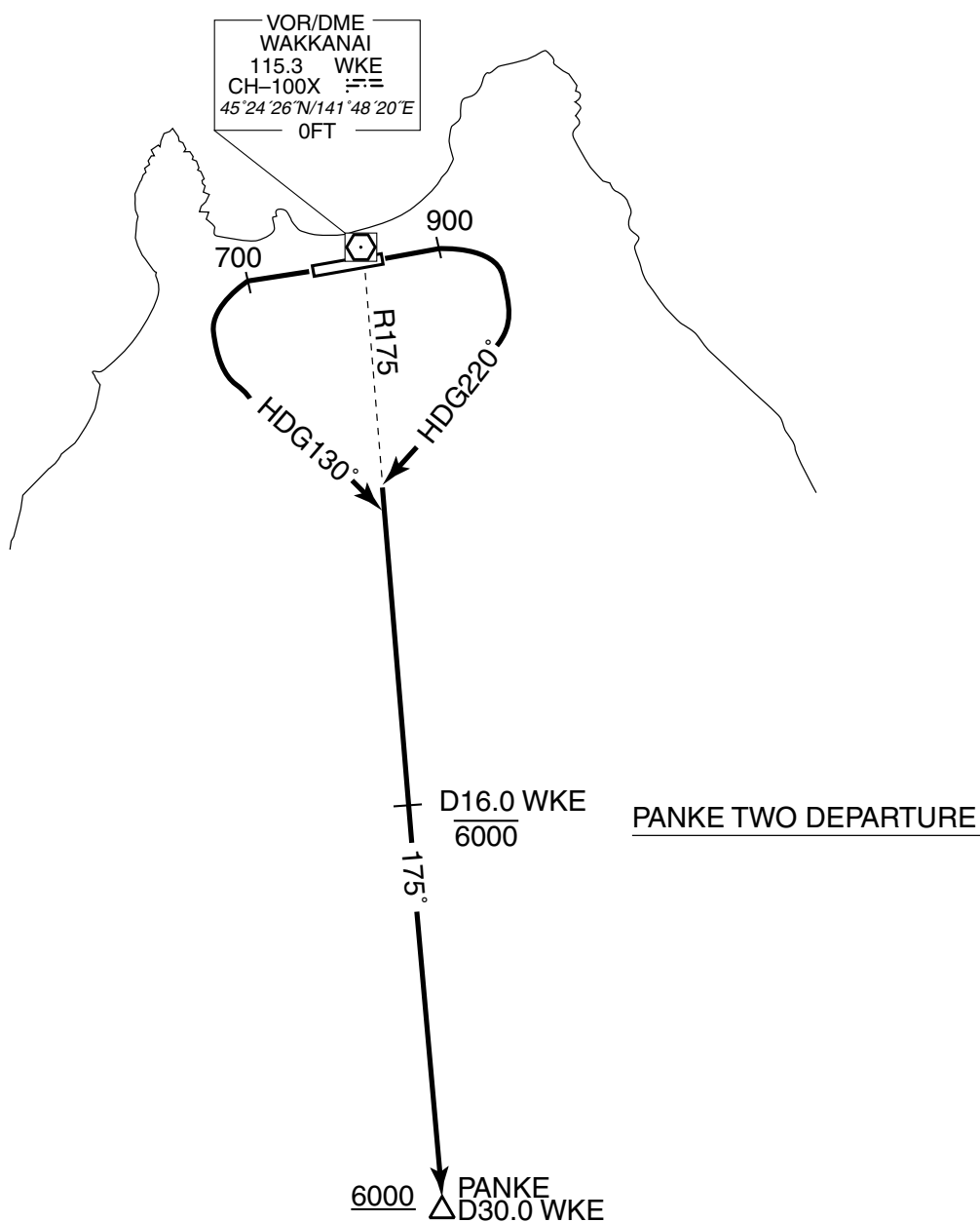
RWY26 : Climb RWY HDG to 700FT, turn left HDG 130°...

...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

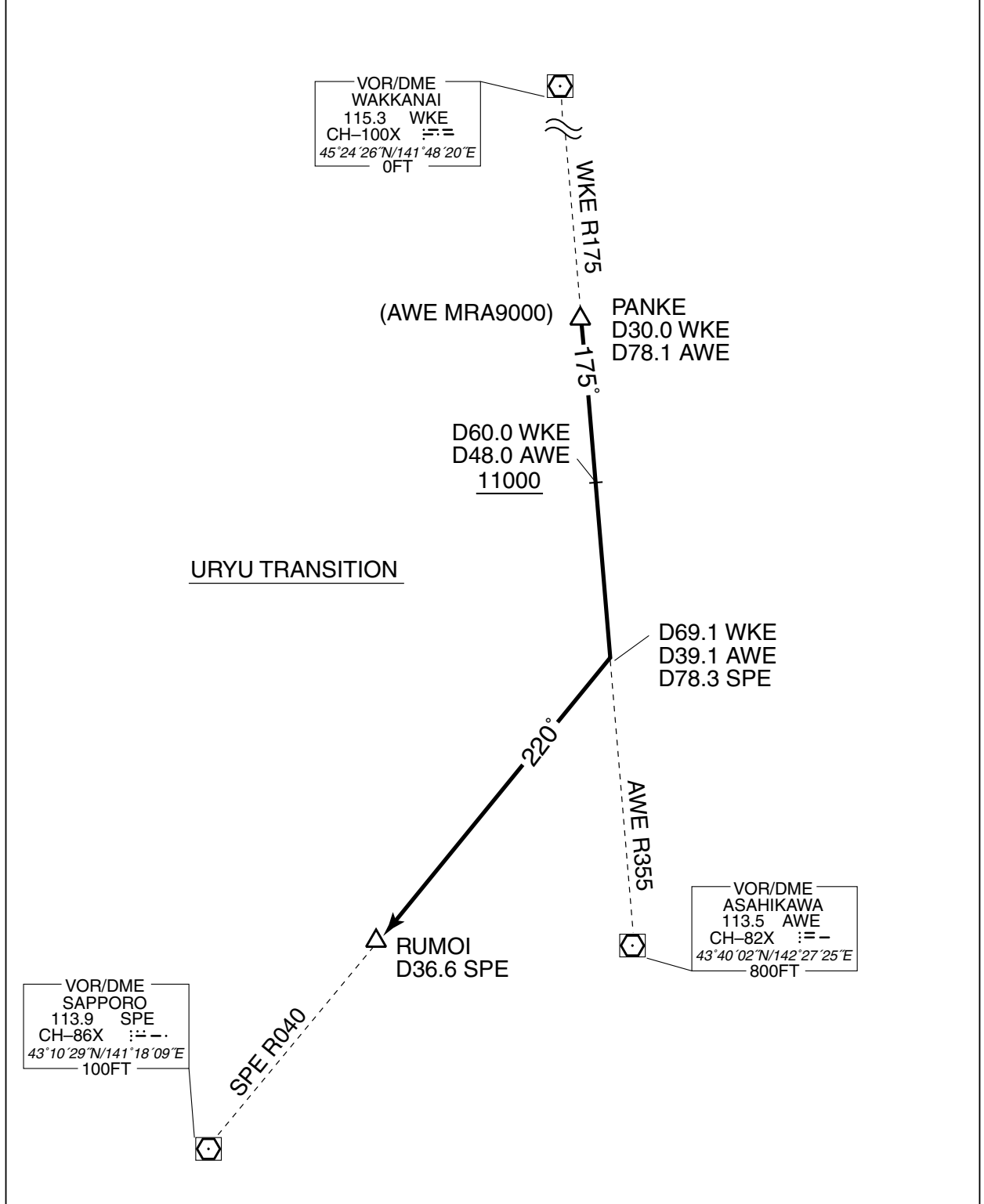
TRANSITION

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°...

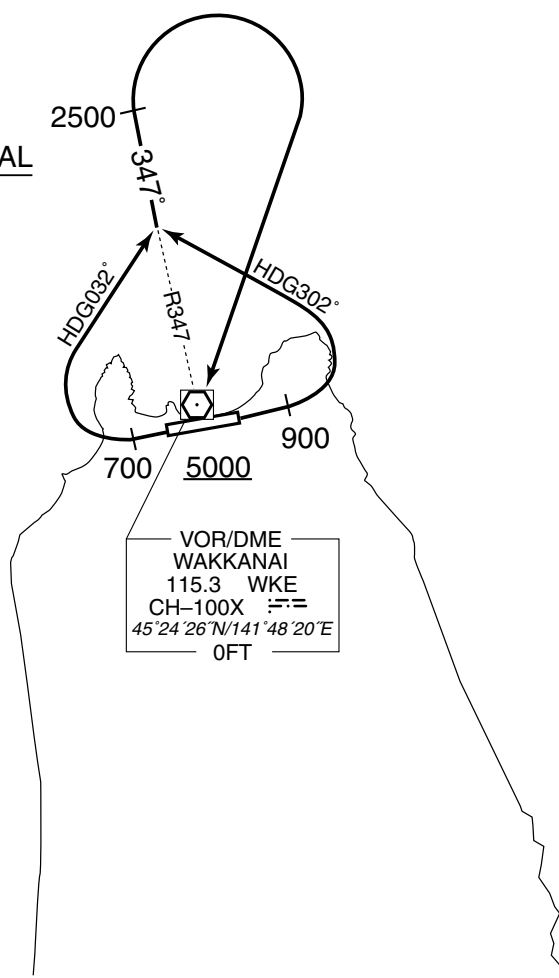
...to intercept and proceed via WKE R347 to 2500FT, turn right direct to WKE VOR/DME.

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.

VAR 10°W (2014)

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

STANDARD ARRIVAL CHART-INSTRUMENT

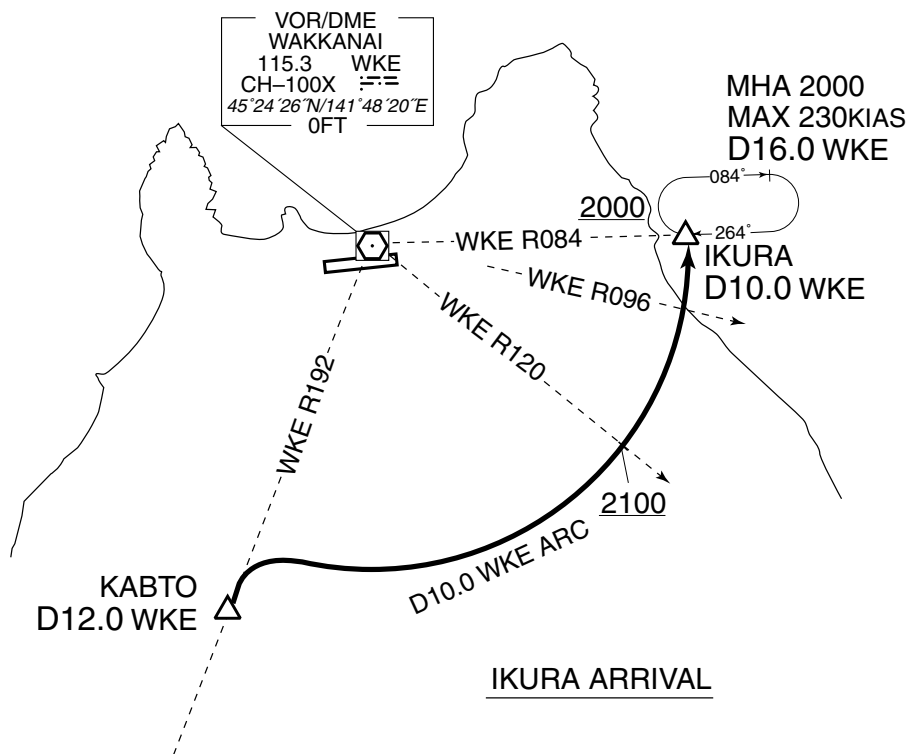
RJCW / WAKKANAI

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.



IKURA ARRIVAL

STANDARD ARRIVAL CHART - INSTRUMENT

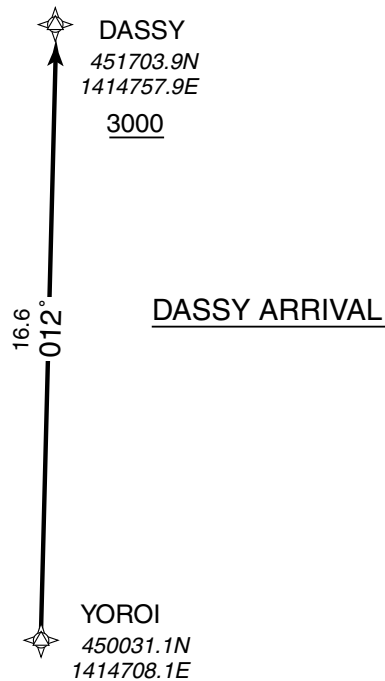
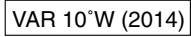
RJCW / WAKKANAI

RNAV STAR

DASSY ARRIVAL

Basic RNP1

Note GNSS required.



DASSY ARRIVAL

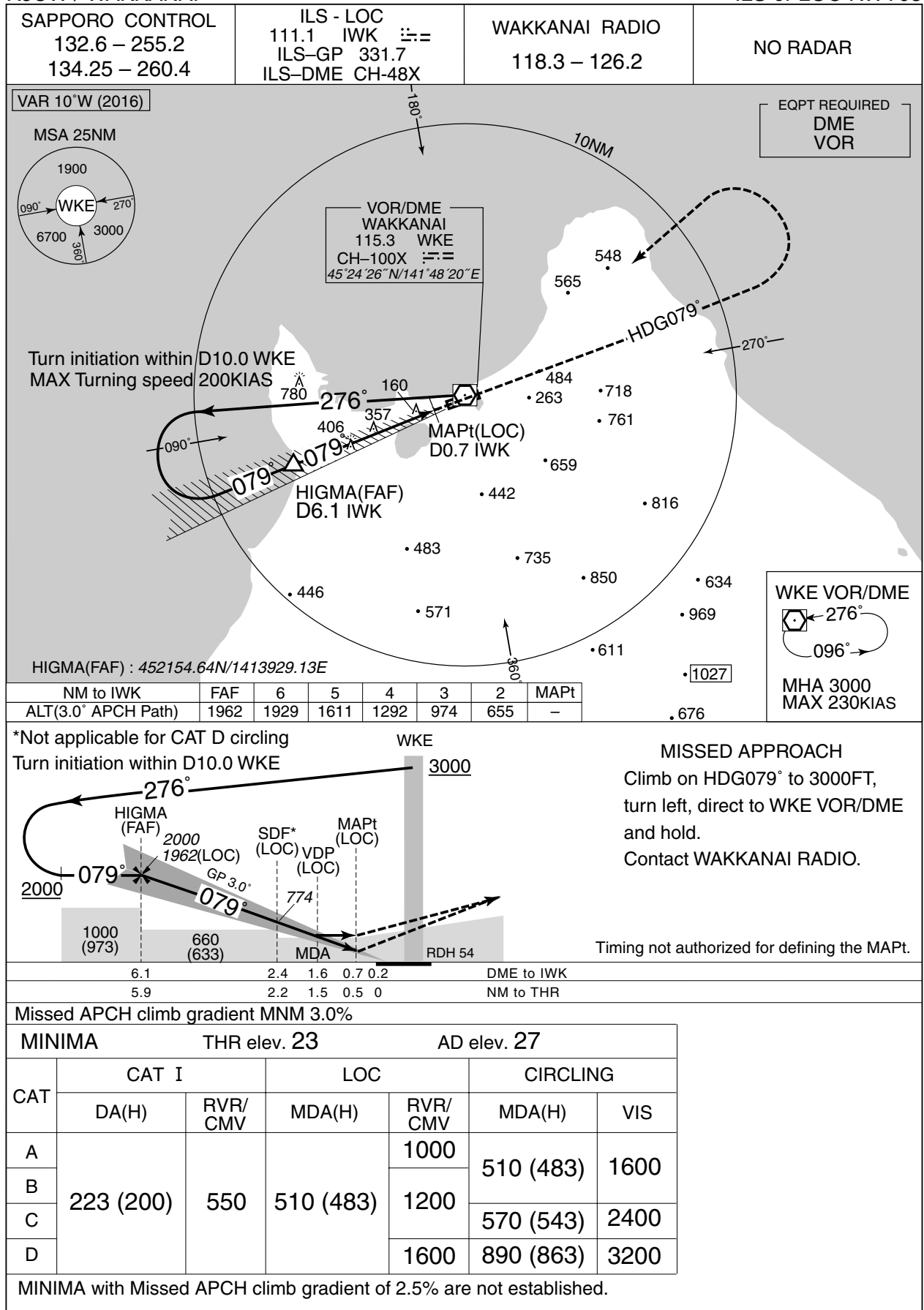
From YOROI, to DASSY at or above 3000FT.

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

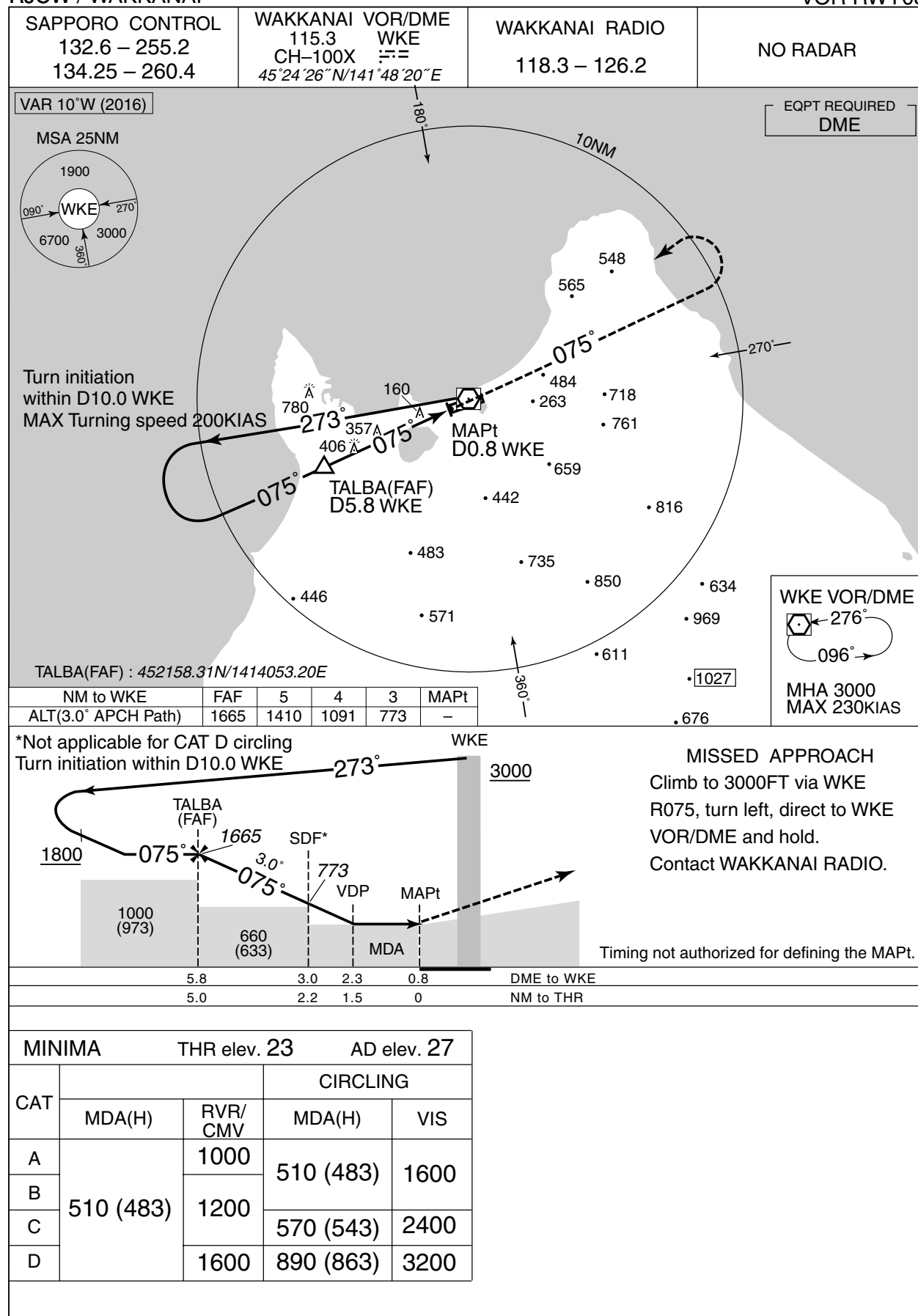
ILS or LOC RWY08



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

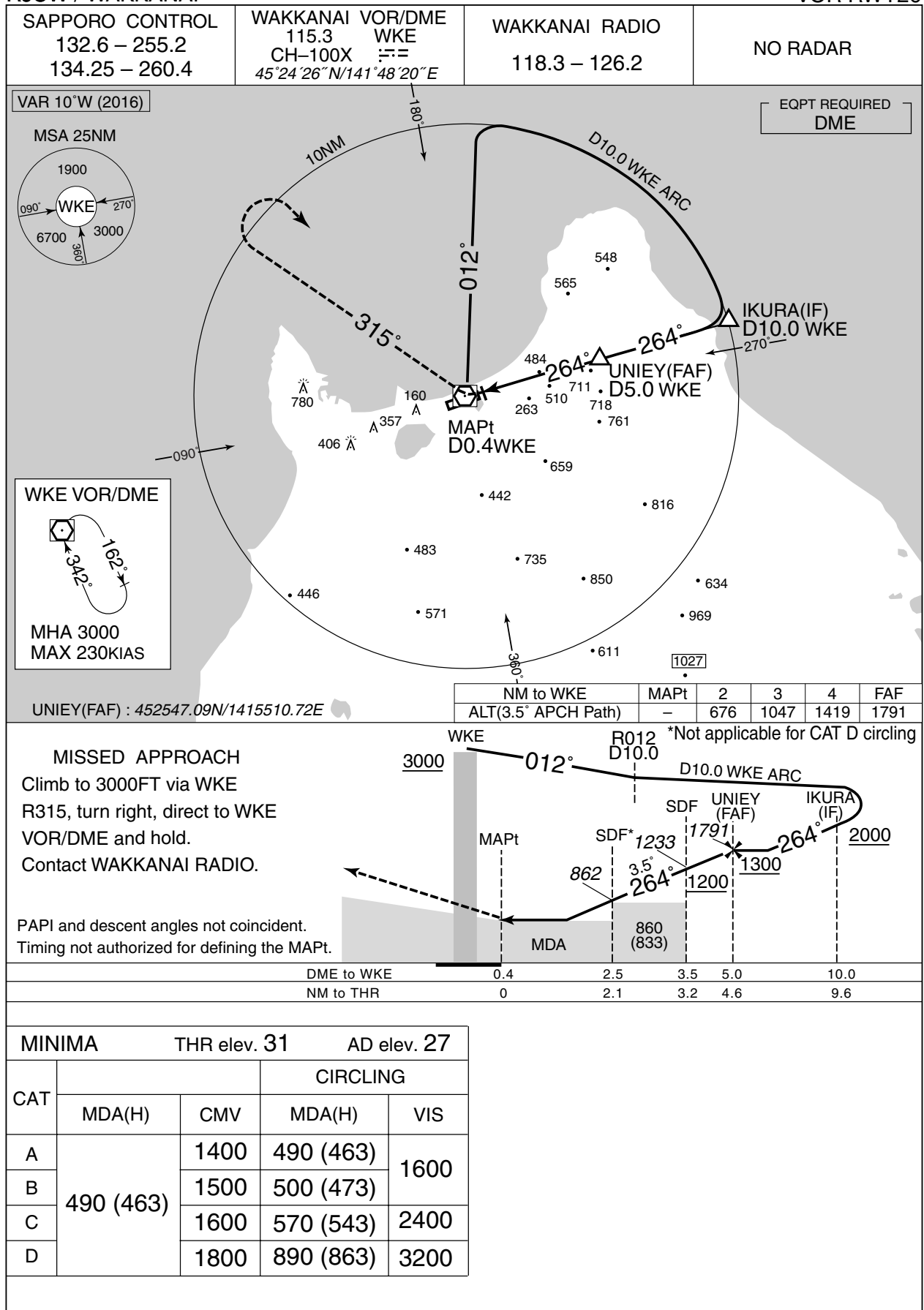
VOR RWY08



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

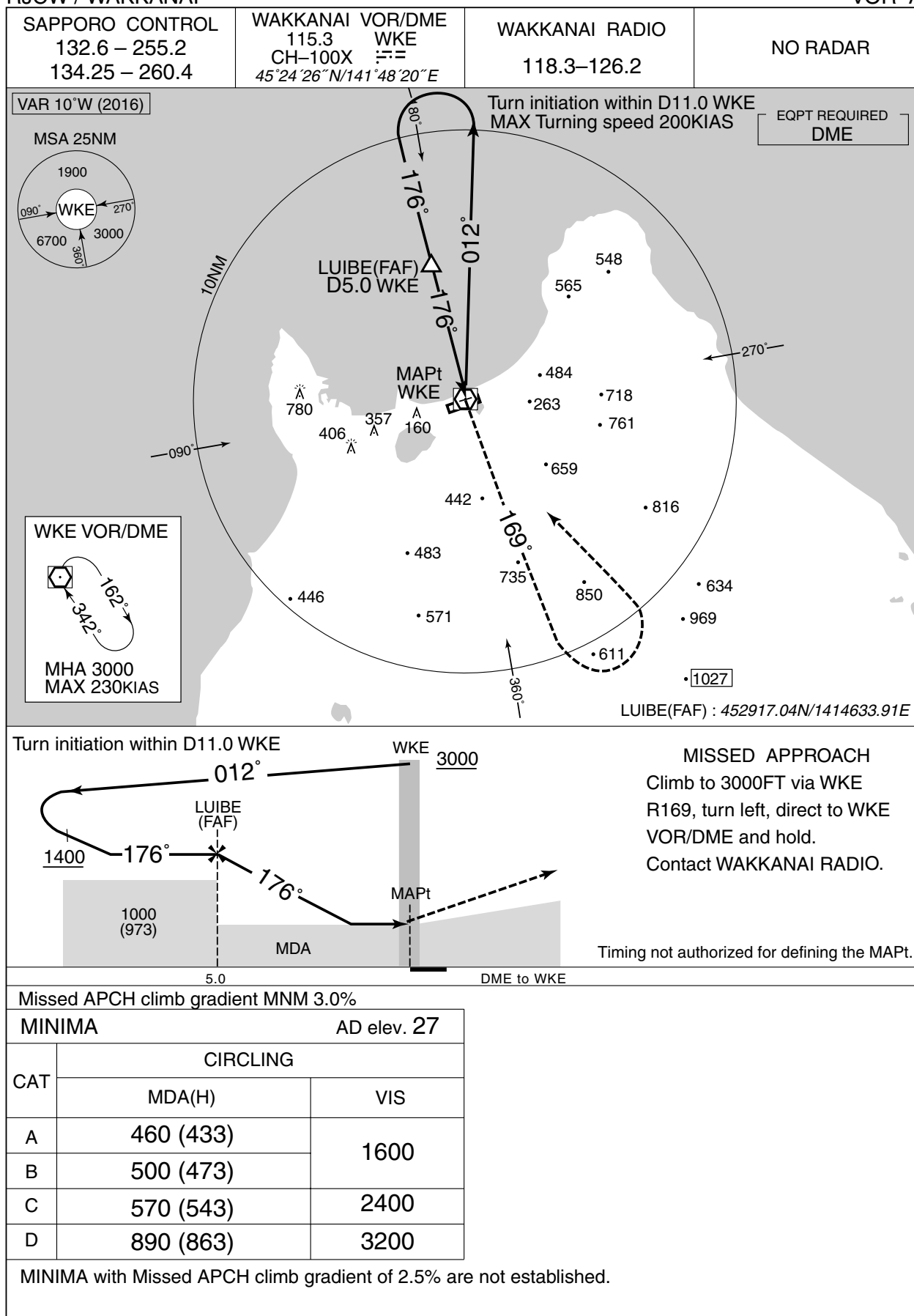
VOR RWY26



INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

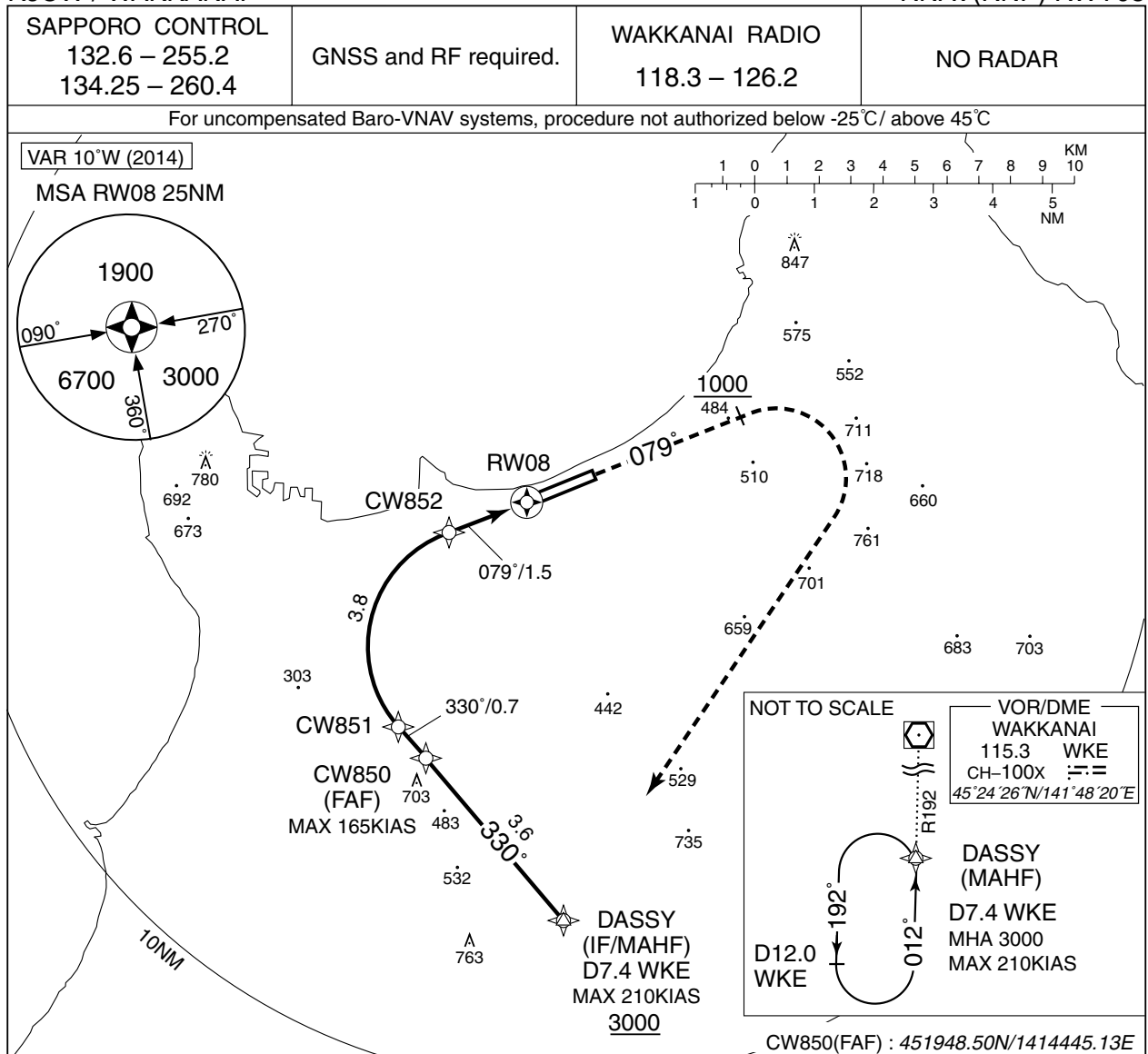
VOR A



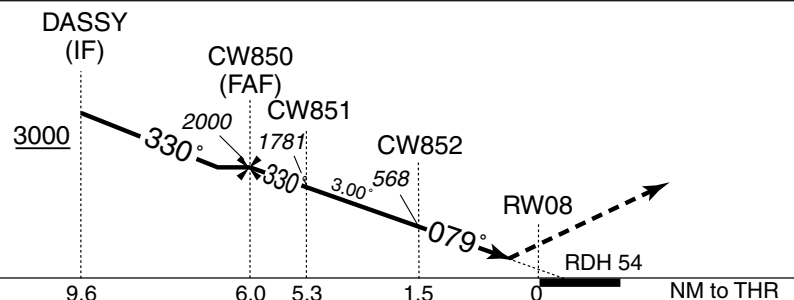
INSTRUMENT APPROACH CHART

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		

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		

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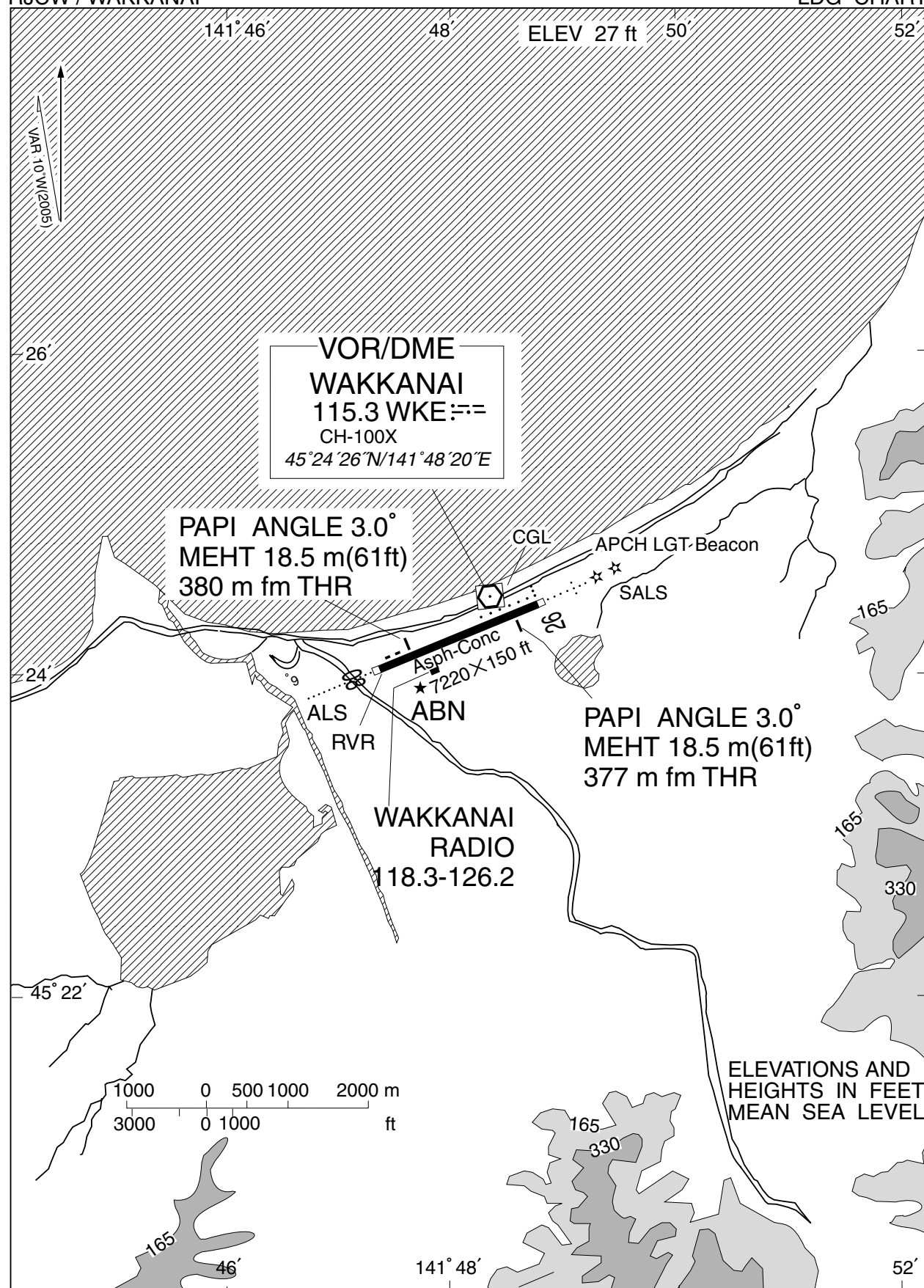
Visual REP



Call sign	BRG / DIST from ARP	Remarks
抜海 Bakkai	245°/ 9.8NM	岬 Cape
宗谷岬 Sohyamisaki	048°/ 9.3NM	灯台 Lighthouse
野寒布岬 Noshappumisaki	302°/ 7.1NM	灯台 Lighthouse

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LDG CHART



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Minimum Vectoring Altitude CHART

