

## 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<br>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<br>PSN   | 89FT  |
| 5 | MAG VAR/ Annual change   | 10°W(2005) / 1°W  |
| 6 | AD Administration, address,<br>telephone, telefax, telex, AFS,<br>e-mail and/or Web-site addresses | Hokkaido Airports Co.,Ltd. Wakkanai Airport Office<br>6744 Koetoi Wakkanai-shi in Hokkaido<br>TEL : 0162-26-2080 FAX : 0162-26-2081<br>e-mail : hap-wkj-unjyo@hokkaido-airports.co.jp             |
| 7 | Types of traffic permitted (IFR/<br>VFR)   | IFR/VFR   |
| 8 | Remarks  | Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport And Tourism<br>Wakkanai Airport Office<br>6744 Koetoi Wakkanai-shi in Hokkaido<br>TEL : 0162-27-2727<br><br>FAX : 0162-27-2730 |

## RJCW AD 2.3 OPERATIONAL HOURS

|    |                           |   |
|----|---------------------------|---|
| 1  | AD Administration         | 2330 - 0930   |
| 2  | Customs and immigration   | On request<br>Customs: 0162-33-1075<br>Immigration: 0162-23-3269              |
| 3  | Health and sanitation     | Quarantine(human): On request(0162-23-4403)<br>Quarantine(animal, plant): Nil |
| 4  | AIS Briefing Office       | Nil   |
| 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<br>Water-supply truck<br>Emergency medical equipments conveyance truck<br>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,<br>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)<br>(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<br>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)<br><br>1: 452359.19N,1414747.12E<br>2: 452359.89N,1414749.70E<br>3: 452400.48N,1414751.96E<br>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<br>(Marking) RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe<br>(LGT) RCLL, REDL, RTHL, RENL, RTZL(RWY 08 side only), RWY DIST marker LGT, Turning point indicator LGT, WBAR<br><br>TWY:<br>(Marking) TWY CL, TWY side stripe, RWY HLDG PSN, Mandatory instruction<br>(LGT) TWY edge LGT, TWY CL LGT |
| 3 | Stop bars  | Nil   |
| 4 | Remarks  | (Marking) Overrun area<br>(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/<br>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<br>MET Office outside hours                           | H24 (NEW CHITOSE)  |
| 3  | Office responsible for TAF preparation<br>Periods of validity          | Nil  |
| 4  | Trend forecast<br>Interval of issuance                                 | Nil  |
| 5  | Briefing/ consultation provided  | Briefing is available upon inquiry at NEW CHITOSE  |
| 6  | Flight documentation<br>Language(s) used                               | C<br>En  |
| 7  | Charts and other information available<br>for briefing or consultation | S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /Tr, P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> , P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , W, N |
| 8  | Supplementary equipment<br>available for providing information         | Nil  |
| 9  | ATS units provided with information                                    | RADIO  |
| 10 | Additional information<br>(limitation of service, etc.)                | Nil  |

## RJCW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY NR | TRUE BRG | Dimensions of<br>RWY(M) | Strength(PCN) and<br>surface of RWY | THR coordinates<br>THR geoid undulation | THR elevation and<br>highest elevation of TDZ<br>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<br>Asphalt               | 89.0FT<br>452428.77N/1414854.78E        | TDZ ELEV : 25.8FT<br>THR ELEV : 31FT                                  |
|                        |          |                         |                                     |   |   |
| Slope of RWY           |          | Strip<br>Dimensions(M)  | RESA(Overrun)<br>Dimensions(M)      |   | Remarks   |
| 7                      |          | 10                      | 11                                  |   | 14  |
| See AD 2.24 AD Chart   |          | 2320x300                | 240x300                             |   | RWY Grooving<br>2200m x 45m   |
|                        |          | 2320x300                | 240x300                             |   |   |

## RJCW AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA<br>(m) | TODA<br>(m) | ASDA<br>(m) | LDA<br>(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<br>Designator   | APCH<br>LGT<br>type<br>LEN<br>INTST | RTHL<br>Color<br>WBAR | PAPI<br>(VASIS)<br>Angle<br>DIST FM THR<br>MEHT | RTZL<br>LEN | RCLL<br>LEN<br>Spacing<br>Color<br>INTST          | REDL<br>LEN<br>Spacing<br>Color<br>INTST             | RENL<br>Color<br>WBAR | STWL<br>LEN<br>Color |
|---|-------------------------------------|-----------------------|---|-------------|---|--|-----------------------|----------------------|
| 1   | 2                                   | 3                     | 4   | 5           | 6   | 7  | 8                     | 9                    |
| 08  | PALS<br>(CAT I)<br>900M<br>LIH      | Green<br>Green        | PAPI<br>3.0°/LEFT<br>380m<br>60.7FT             | 900m        | 2200m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2200m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*2)          |
| 26  | SALS<br>(*1)<br>LIH                 | Green<br>Green        | PAPI<br>3.0°/LEFT<br>377m<br>61FT               | Nil         | 2200m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2200m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*2)          |
| Remarks   |                                     |                       |   |             |   |  |                       |                      |
| 10  |                                     |                       |   |             |   |  |                       |                      |
| SALS with APCH LGT beacon(600m and 900m FM RWY THR)(*1)<br>Overrun area edge LGT(LEN: 60m, Color: Red) (*2)<br>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<br>Anemometer location and LGT      | LDI: Nil<br>Anemometer: RWY 08: 250m from RWY 08 THR<br>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/<br>switch-over time              | Within 1 sec: RCLL, REDL, RTHL, RENL, WBAR, Turning point indicator LGT,<br>Overrun area edge LGT<br>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<br>126.2MHz | 2330 - 0930        | (1)Primary<br>(2)Interference by foreign broadcast exists |

## RJCW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

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

Prior permission is required for all transient aircraft due to parking congestion except scheduled and/or emergency flight.  
 Tel : Hokkaido Airports Co.,Ltd. Wakkanai Airport Office 0162-26-2080

## 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<br>CAT | REDL & RCLL     |      | REDL or RCLL<br>or RCL Marking |      | NIL<br>(DAYTIME ONLY) |      |
|--|-----|-------------|-----------------|------|--------------------------------|------|-----------------------|------|
|  |     |             | RVR             | VIS  | RVR                            | VIS  | RVR                   | VIS  |
| Multi-Engine<br>ACFT with<br>TKOF ALTN AP<br>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**

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

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## 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°...

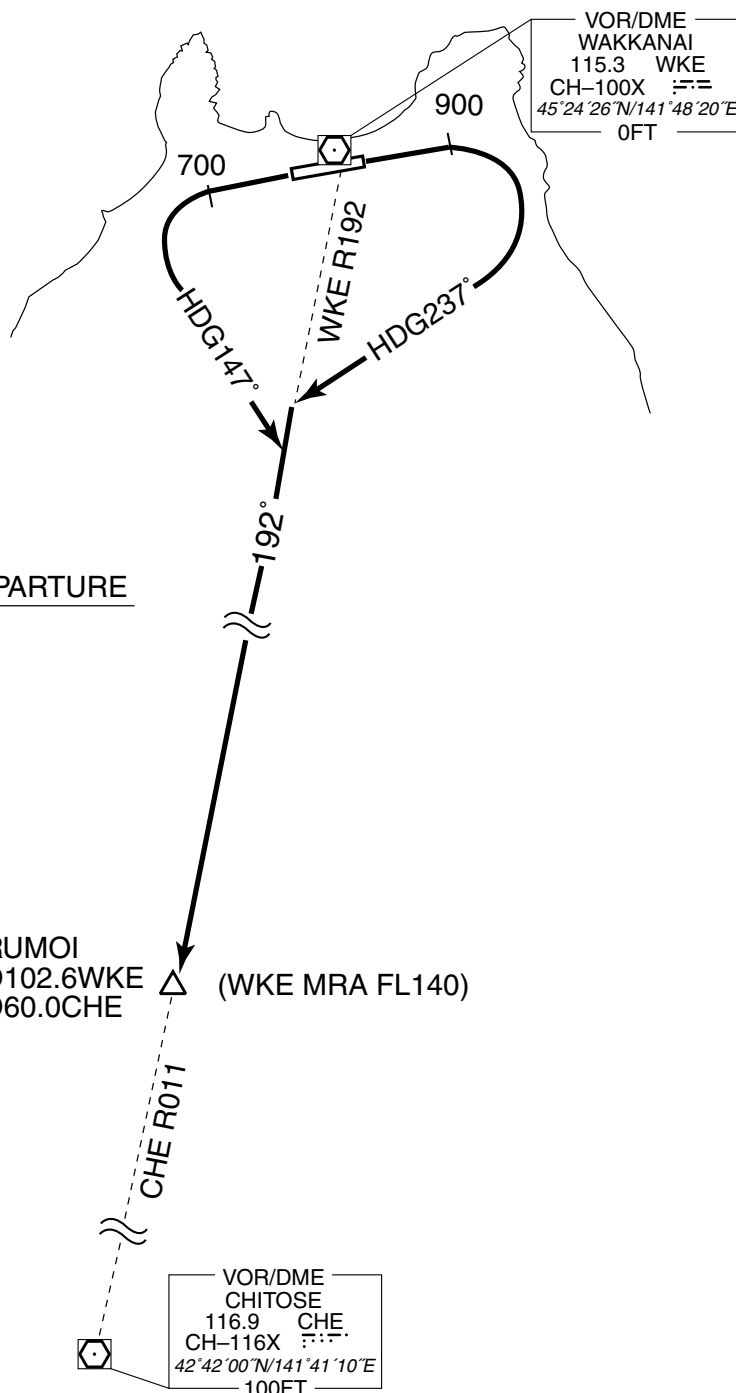
...to intercept and proceed via WKE R192/CHE R011 to RUMOI.

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°...

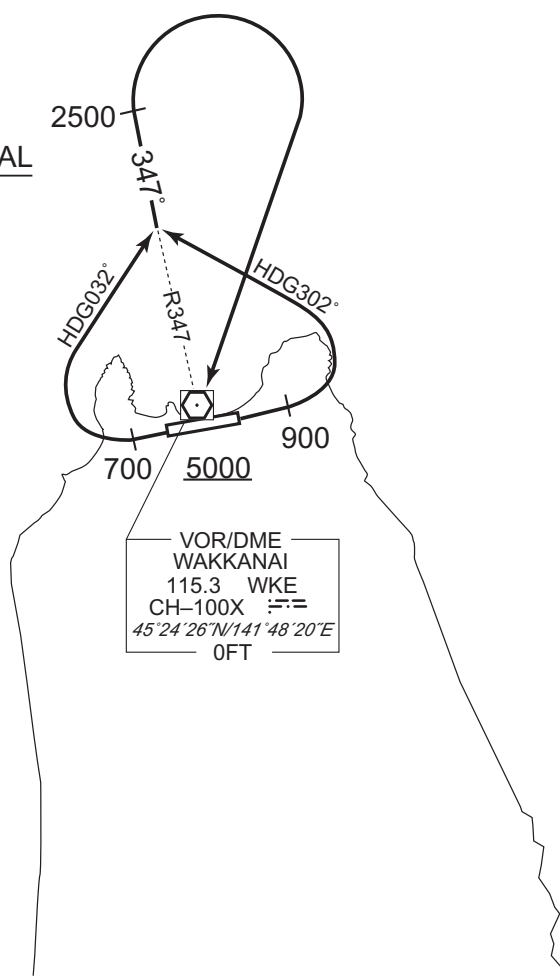
RWY26 : Climb RWY HDG to 700FT, turn right HDG032°...

...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

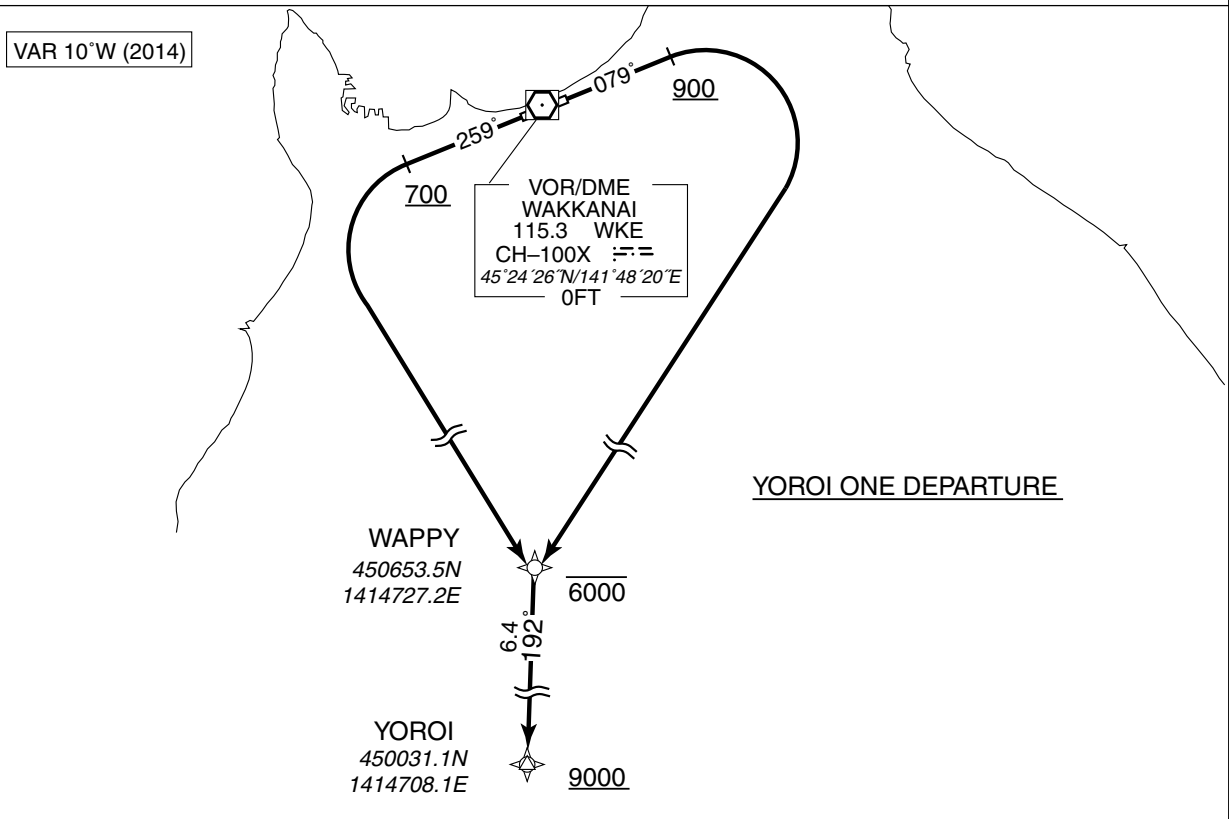
RJCW / WAKKANAI

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.



IKURA ARRIVAL

## STANDARD ARRIVAL CHART - INSTRUMENT

RJCW / WAKKANAI

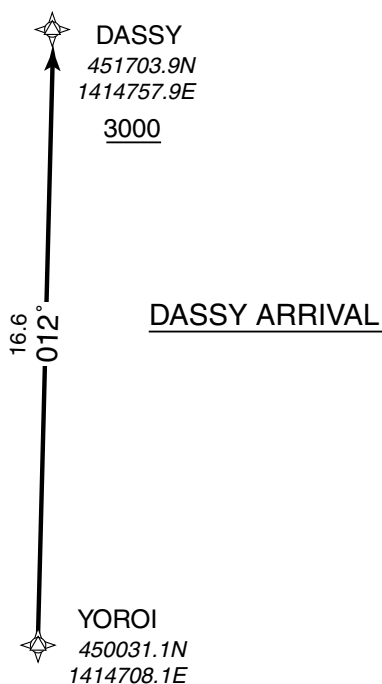
RNAV STAR

## 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<br>(002.0) | -9.9               | 16.6          | —              | +3000         | —            | —              | Basic RNP1               |

## INSTRUMENT APPROACH CHART

RJCW / WAKKANAI

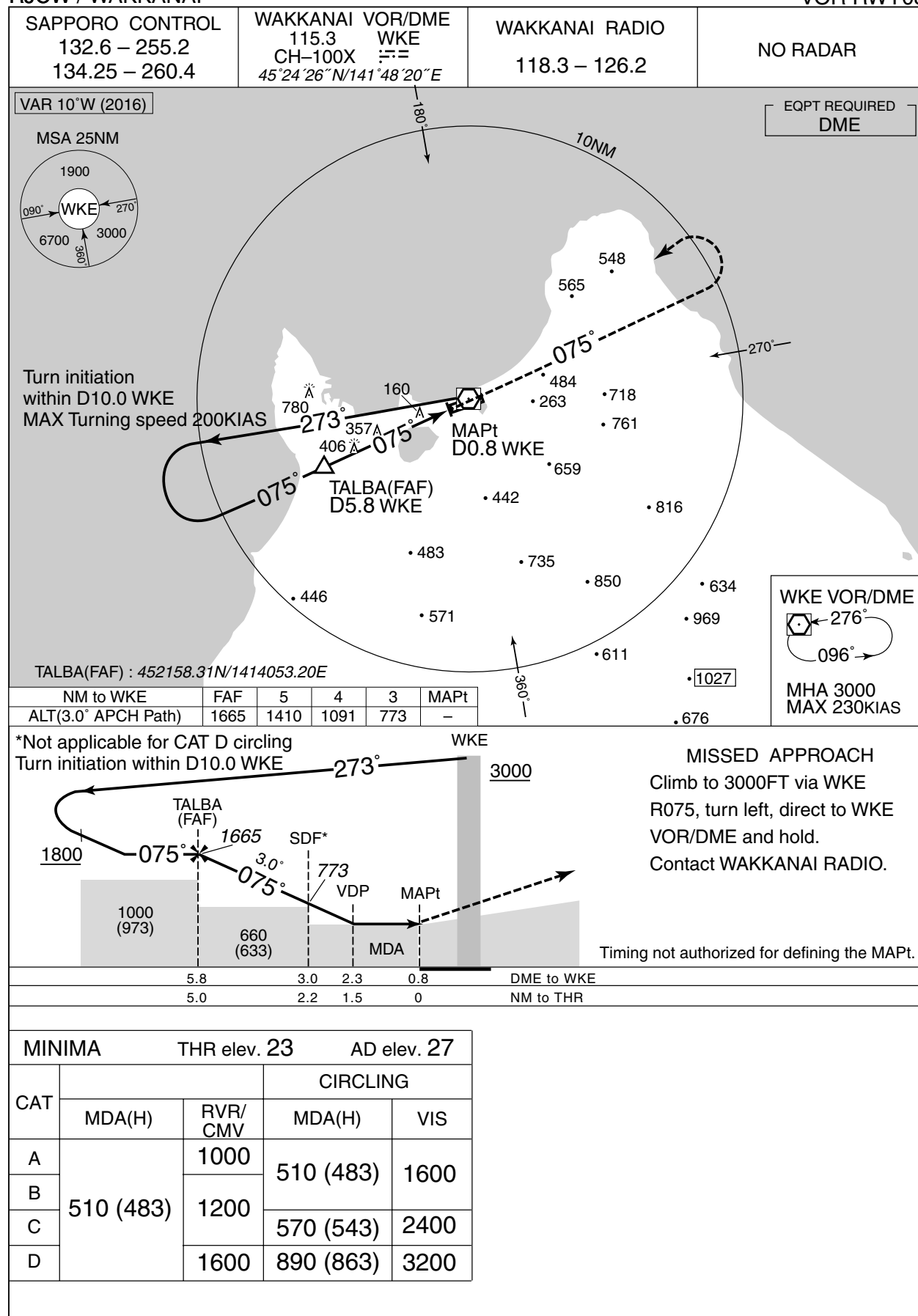
ILS or LOC RWY08



## 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

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

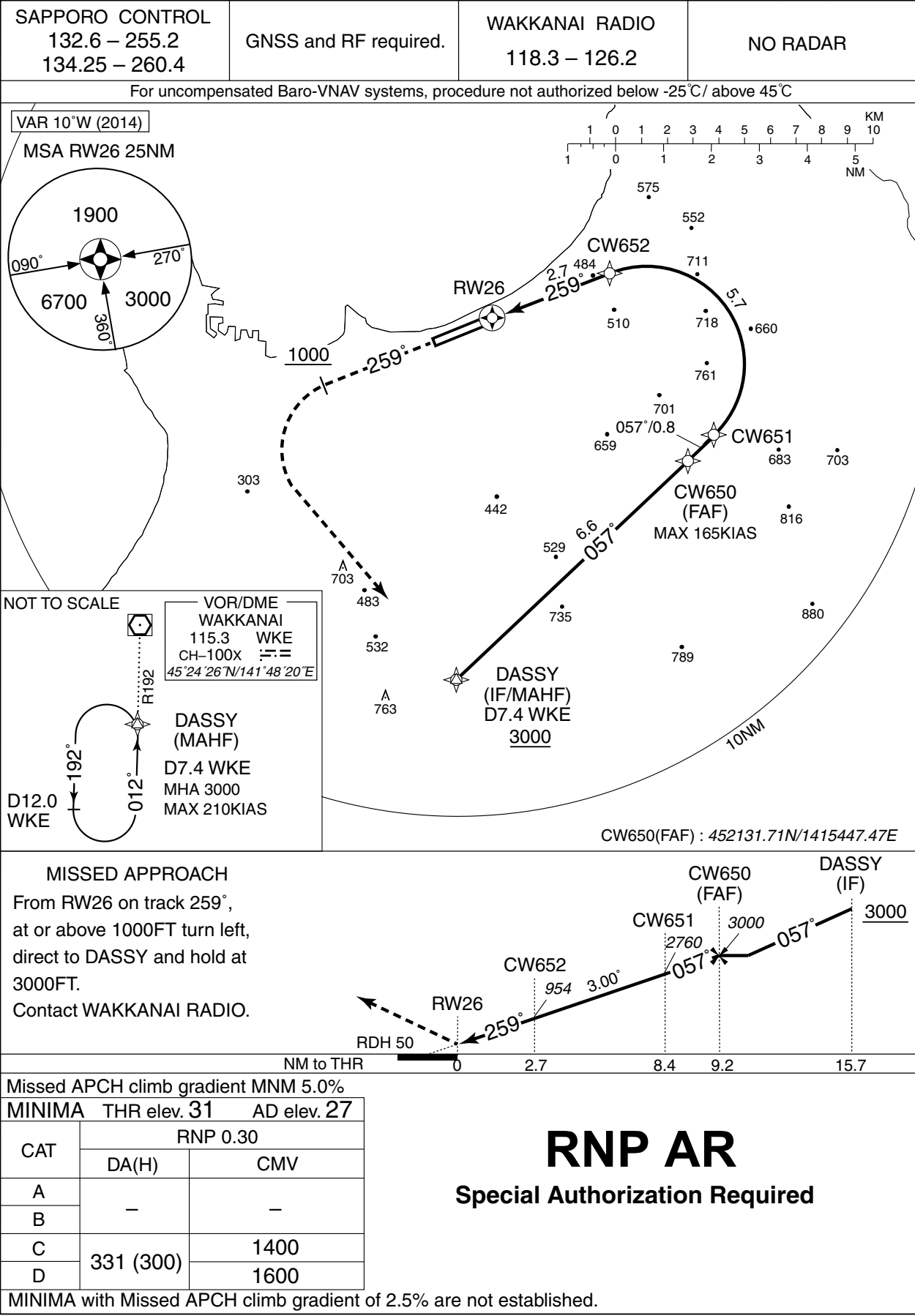
Waypoint Coordinates

| 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<br>(047.0) | -9.9               | 6.6           | —              | 3000          | -165         | —              | 1.0       |
| 003           | TF                                 | CW651               | —        | 057<br>(047.1) | -9.9               | 0.8           | —              | 2760          | —            | -3.00          | 0.3       |
| 004           | RF<br>Center:<br>CWRF2<br>r=2.05NM | CW652               | —        | —              | -9.9               | 5.7           | L              | 954           | —            | -3.00          | 0.3       |
| 005           | TF                                 | RW26                | Y        | 259<br>(248.9) | -9.9               | 2.7           | —              | 81            | —            | -3.00/50       | 0.3       |
| 006           | FA                                 | —                   | —        | 259<br>(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<br>Soyamisaki      | 039°T / 9.0NM       | 灯台<br>Lighthouse |
| 野寒布岬<br>Noshappumisaki | 292°T / 7.2NM       | 灯台<br>Lighthouse |
| 抜海<br>Bakkai           | 234°T / 9.7NM       | 岬<br>Cape        |



Remarks : Interference by foreign broadcast exists on 126.2

RJCW / WAKKANAI

Minimum Vectoring Altitude CHART

