

## AD 2 AERODROMES

## RJSR AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJSR - ODATE-NOSHIRO

## RJSR AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|   |  |  |
|---|--|--|
| 1 | ARP coordinates and site at AD   | 401131N/1402218E<br>109°/1.0km from RWY11 THR  |
| 2 | Direction and distance from (city)   | 8.3NM W FM OODATE City   |
| 3 | Elevation/ Reference temperature   | 276ft /31°C (1997-2008)  |
| 4 | Geoid undulation at AD ELEV<br>PSN   | 126ft  |
| 5 | MAG VAR/ Annual change   | 8°W(2006) / 1'E  |
| 6 | AD Administration, address,<br>telephone, telefax, telex, AFS,<br>e-mail and/or Web-site addresses | Odate-Noshiro Airport Administration Office<br>(Akita prefectural government)<br>21-144,Wakigami-aza,karamushi-tai,kita-Akita City,AKITA,018-3454 JAPAN.<br>TEL:0186-63-1001<br>FAX:0186-63-1009<br>E-mail:oodatenoshirokuukoujimusho@pref.akita.lg.jp |
| 7 | Types of traffic permitted (IFR/<br>VFR)   | IFR/VFR  |
| 8 | Remarks  | Nil  |

## RJSR AD 2.3 OPERATIONAL HOURS

|    |                           |   |
|----|---------------------------|---|
| 1  | AD Administration         | 2300 - 1030   |
| 2  | Customs and immigration   | On request<br>Customs: 018-845-0735<br>Immigration: 018-895-5221              |
| 3  | Health and sanitation     | Quarantine(human): On request(018-846-8280)<br>Quarantine(animal, plant): Nil |
| 4  | AIS Briefing Office       | Nil   |
| 5  | ATS Reporting Office(ARO) | Nil   |
| 6  | MET Briefing Office       | H24(SENDAI)   |
| 7  | ATS                       | 2300 - 1030<br>Remarks: AFIS provided by New Chitose Airport Office.          |
| 8  | Fuelling                  | 2300 - 0930   |
| 9  | Handling                  | 2240 - 0900   |
| 10 | Security                  | 2300 - 1030   |
| 11 | De-icing                  | Nil   |
| 12 | Remarks                   | Nil   |

**RJSR AD 2.4 HANDLING SERVICES AND FACILITIES**

|   |   |                                 |
|---|---|---------------------------------|
| 1 | Cargo-handling facilities               | AVBL up to B767 passenger plane |
| 2 | Fuel/ oil types                         | JET A1                          |
| 3 | Fuelling facilities/ capacity           | Fuel truck /200kl               |
| 4 | De-icing facilities                     | Nil                             |
| 5 | Hangar space for visiting aircraft      | Nil                             |
| 6 | Repair facilities for visiting aircraft | Nil                             |
| 7 | Remarks                                 | Nil                             |

**RJSR AD 2.5 PASSENGER FACILITIES**

|   |                      |            |
|---|----------------------|------------|
| 1 | Hotels               | Nil        |
| 2 | Restaurants          | At Airport |
| 3 | Transportation       | Bus,Taxi   |
| 4 | Medical facilities   | Nil        |
| 5 | Bank and Post Office | Nil        |
| 6 | Tourist Office       | Nil        |
| 7 | Remarks              | Nil        |

**RJSR AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|   |   |   |
|---|---|---|
| 1 | AD category for fire fighting               | CAT 7   |
| 2 | Rescue equipment                            | Chemical fire fighting truck x 2<br>Emergency medical equipments conveyance truck x 1 |
| 3 | Capability for removal of disabled aircraft | Ask AD administration   |
| 4 | Remarks                                     | Nil   |

**RJSR AD 2.7 SEASONAL AVAILABILITY-CLEARING**

|   |                             |   |
|---|-----------------------------|---|
| 1 | Types of clearing equipment | Snow plow x 4, Snow sweeper x 4, rotary x 4, spreader equipment x 1 |
| 2 | Clearance priorities        | RWY, TWY, APRON   |
| 3 | Remarks                     | Nil   |

**RJSR AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

|   |                                     |   |
|---|-------------------------------------|---|
| 1 | Apron surface and strength          | Surface: Concrete<br>Strength: PCN 55/R/B/X/T   |
| 2 | Taxiway width, surface and strength | Width 30m<br>Surface: asphalt-Concrete<br>Strength: PCN 75/F/C/X/T  |
| 3 | ACL and elevation                   | Not available   |
| 4 | VOR checkpoints                     | Not available   |
| 5 | INS checkpoints                     | (Spot NR)<br><br>1 401142.42N ,1402218.33E<br>2 401142.04N ,1402220.50E<br>3 401141.71N ,1402223.00E<br>5 401141.37N ,1402225.50E |
| 6 | Remarks                             | Nil   |

**RJSR 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 11/29<br>(Marking): RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe, RWY turn pad edge, RWY turn pad CL<br>(LGT): RCLL, REDL, RTHL, RENL, RTZL(RWY11), WBAR, Turning point indicator LGT, RWY DIST marker LGT<br>TWY:<br>(Marking):TWY CL, RWY HLDG PSN, TWY side stripe<br>(LGT):TWY edge LGT, TWY CL LGT, Taxiing guidance sign |
| 3 | Stop bars  | Nil  |
| 4 | Remarks  | (Marking):Overrun area<br>(LGT):Apron flood LGT  |

## RJSR / ODATE-NOSHIRO

## 180° Turn on RWY

B767 型機用の滑走路 180° 転回実施要領

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. 転回灯 1 が一直線に見えるように進行し、転回灯 2 が一直線に見えたとき転回を開始する。転回時は MAX STEERING ANGLE を使用する。

180° turn procedure on RWY for B767 aircraft

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 the Turning Point Indicator Light 1 on a straight line, then commence turn at the spot where you (pilot) can see the Turning Point Indicator Light 2 on a straight line at an angle of 9 o'clock. When turning, take MAX STEERING ANGLE.

ODATE-NOSHIRO AP

## RJSR AD 2.10 AERODROME OBSTACLES

In Area2 See Obstacle data

In Area3 To be developed

## RJSR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

|    |  |  |
|----|--|--|
| 1  | Associated MET Office  | SENDAI   |
| 2  | Hours of service<br>MET Office outside hours                           | H24(SENDAI)  |
| 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 SENDAI   |
| 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> /T <sub>1</sub> , 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> ,<br>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(limitation of<br>service, etc.)                 | Nil  |

## RJSR 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   |
| 11   | 100.30°  | 2000×45                                | PCN<br>75/F/C/X/T<br>Asphalt-Concrete | 401136.37N<br>1402135.51E<br>125.7FT    | THR ELEV:259.2FT<br>TDZ ELEV:269FT                                    |
| 29   | 280.30°  | 2000×45                                | PCN<br>75/F/C/X/T<br>Asphalt-Concrete | 401125.10N<br>1402258.78E<br>126FT      | THR ELEV:292.0FT  |
|  |          |  |                                       |   |   |
| Slope of RWY   |          | Strip<br>Dimensions(M)                 | RESA (Overrun)<br>Dimensions (M)      |   | Remarks   |
| 7  |          | 10                                     | 11                                    |   | 14  |
| See below figure   |          | 2120×300                               | 190×(MNM:149 MAX:297)*                |   | RWY Grooving :<br>2000×45m  |
|  |          | 2120×300                               | 40×(MNM:250 MAX:300)*                 |   |   |
|  |          | *For detail, ask airport administrator |                                       |   |   |
|  |          |  |                                       |   |   |
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## RJSR 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       |
| 11             | 2000        | 2000        | 2000        | 2000       | Nil     |
| 29             | 2000        | 2000        | 2000        | 2000       | Nil     |

## RJSR 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<br>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                    |
| 11   | PALS<br>(CAT I)<br>900m<br>LIH      | Green<br>Green        | PAPI<br>3.0°/Left<br>347.2m<br>61ft                | 900m        | 2000m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2000m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*2)          |
| 29   | SALS<br>(*1)<br>420m<br>LIH         | Green<br>Nil          | PAPI<br>3.0°/Left<br>414.9m<br>61ft                | Nil         | 2000m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2000m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*2)          |
| Remarks  |                                     |                       |  |             |   |  |                       |                      |
| 10   |                                     |                       |  |             |   |  |                       |                      |
| SALS with APCH LGT beacon(570m and 900m FM RWY 29 THR)(*1)<br>Overrun area edge LGT(LEN:60m Color:Red) (*2)<br>CGL for RWY 29 only |                                     |                       |  |             |   |  |                       |                      |

## RJSR AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

|   |  |   |
|---|--|---|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 401148N/1402216E, White/Green EV4.3sec, HO   |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | LDI:Nil<br>Anemometer :<br>RWY11:300m from RWY11 THR. LGTD<br>RWY29:300m from RWY29 THR. LGTD |
| 3 | TWY edge and centerline lighting                         | TWY edge and center line lights installed, see AD 2.9   |
| 4 | Secondary power supply/ switch-over time                 | Within 15sec : ALL LGT  |
| 5 | Remarks  | WDI LGT   |

## RJSR AD 2.16 HELICOPTER LANDING AREA

|     |
|-----|
| Nil |
|-----|

## RJSR 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       |
| Odate Noshiro information zone | Area within a radius of 9km(5NM) of Odate-Noshiro ARP. | 3,000 or below       | E                       | Odate Radio En              |         |

## RJSR AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign   | Frequency | Hours of operation | Remarks                                |
|---------------------|-------------|-----------|--------------------|--|
| 1                   | 2           | 3         | 4                  | 5                                      |
| AFIS                | Odate Radio | 118.75MHz | 2300 - 1030        | Operated by New Chitose Airport Office |

## RJSR 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 (9°W/2015)                | ODE | 114.75MHz        | 2300 - 1030        | 401154.03N/<br>1402142.68E                   |                                       | VOR unusable:<br>010°-020° beyond 35nm BLW 8000ft.<br>100°-110° beyond 35nm BLW 6000ft.<br>110°-130° beyond 35nm BLW 9000ft.<br>150°-160° beyond 30nm BLW 8000ft.<br>320°-340° beyond 35nm BLW 6000ft.<br>340°-350° beyond 25nm BLW 6000ft.<br>350°-360° beyond 35nm BLW 8000ft. |
| DME                           | ODE | 1055MHz (CH-94Y) | 2300 - 1030        | 401154.03N/<br>1402142.68E                   | 308ft                                 | DME unusable:<br>100°-110° beyond 35nm BLW 6000ft.<br>110°-130° beyond 35nm BLW 9000ft.<br>150°-160° beyond 30nm BLW 8000ft.<br>320°-340° beyond 35nm BLW 6000ft.<br>340°-350° beyond 35nm BLW 6000ft.<br>350°-360° beyond 35nm BLW 8000ft.                                      |
| ILS-LOC 11                    | IOD | 110.15MHz        | 2300 - 1030        | 401123.77N/<br>1402308.57E                   |                                       | LOC:235m(771ft) away FM RWY 29 THR, BRG(MAG)110°.  |
| ILS-GP 11                     | -   | 334.25MHz        | 2300 - 1030        | 401130.74N/<br>1402146.51E                   |                                       | GP:287m(942ft) inside FM RWY 11 THR.<br>125m(410ft) S of RCL.<br>HGT of ILS REF datum 16.5m (54ft). GP angle 3.0°.   |
| ILS-DME 11                    | IOD | 1125MHz          | 2300 - 1030        | 401130.42N/<br>1402146.43E                   | 278ft                                 | DME:287m(942ft) inside FM RWY 11 THR.<br>135m(443ft) S of RCL.   |





## RJSR AD 2.20 LOCAL TRAFFIC REGULATIONS

### 1. Airport regulations

Nil

### 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

**RJSR AD 2.21 NOISE ABATEMENT PROCEDURES**

Nil

**RJSR AD 2.22 FLIGHT PROCEDURES****1.TAKE OFF MINIMA**

|  | RWY | ACFT<br>CAT | REDL & RCLL     |           | REDL or RCLL<br>or RCL Marking |           | NIL<br>(DAYTIME ONLY) |           |
|--|-----|-------------|-----------------|-----------|--------------------------------|-----------|-----------------------|-----------|
|  |     |             | CEIL-RVR        | CEIL-VIS  | CEIL-RVR                       | CEIL-VIS  | CEIL-RVR              | CEIL-VIS  |
| Multi-Engine<br>ACFT with<br>TKOF ALTN<br>AP FILED | 11  | A, B, C, D  | 200'-800m       | 200'-800m | 200'-800m                      | 200'-800m | -                     | 200'-800m |
|  | 29  | A, B, C, D  | -               | 200'-800m | -                              | 200'-800m | -                     | 200'-800m |
| OTHER  | 11  | A, B, C, D  | AVBL LDG MINIMA |           |                                |           |                       |           |
|  | 29  | A, B, C, D  |                 |           |                                |           |                       |           |

**RJSR AD 2.23 ADDITIONAL INFORMATION**

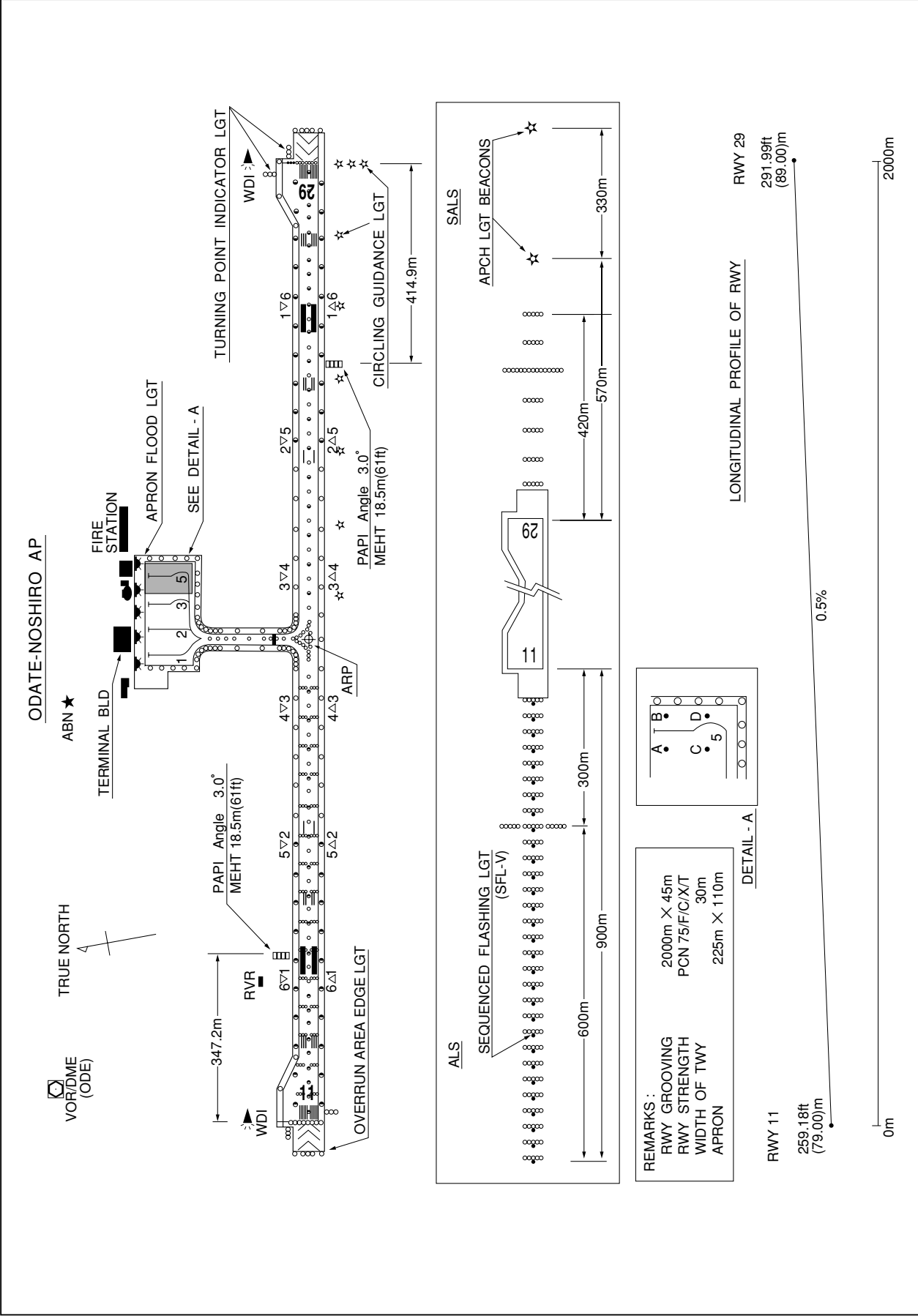
Nil

**RJSR AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome/Heliport Chart  
 Standard Departure Chart - Instrument (ODATE REVERSAL)  
 Standard Departure Chart - Instrument (LAGOON)  
 Standard Arrival Chart - Instrument  
 Instrument Approach Chart (ILS Z or LOC Z RWY11)  
 Instrument Approach Chart (ILS Y or LOC Y RWY11)  
 Instrument Approach Chart (VOR A)  
 Instrument Approach Chart (RNAV(RNP) Z RWY29)  
 Instrument Approach Chart (RNAV(RNP) Y RWY29)  
 Other Chart (Visual REP)  
 Other Chart (LDG CHART)  
 Other Chart (MVA CHART)

RJSR / ODATE-NOSHIRO

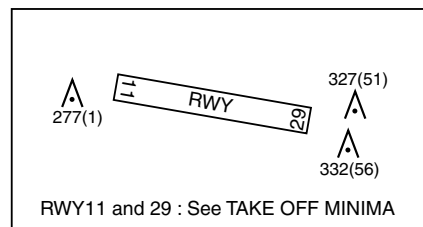
AD CHART



## RJSR / ODATE-NOSHIRO

SID

OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJSR / ODATE-NOSHIRO

SID

LAGOON THREE DEPARTURE

RWY11 : Climb RWY HDG to 1800FT, turn right HDG332° to intercept and proceed...

RWY29 : Climb RWY HDG to ODE 3.0DME,...

...via ODE R287 to NOSSY, turn left, via UWE R360 to UWE VOR/DME.

Cross NOSSY at or above 3000FT.

Note RWY11 : 5.0% climb gradient required up to 1800FT.

OBST ALT 1313FT located at 4.3NM 093° FM end of RWY11.

OBST ALT 2100FT located at 9.5NM 137° FM end of RWY11.

RWY29 : 4.0% climb gradient required up to 700FT.

OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.

LAGOON THREE DEPARTURE

STANDARD ARRIVAL CHART - INSTRUMENT

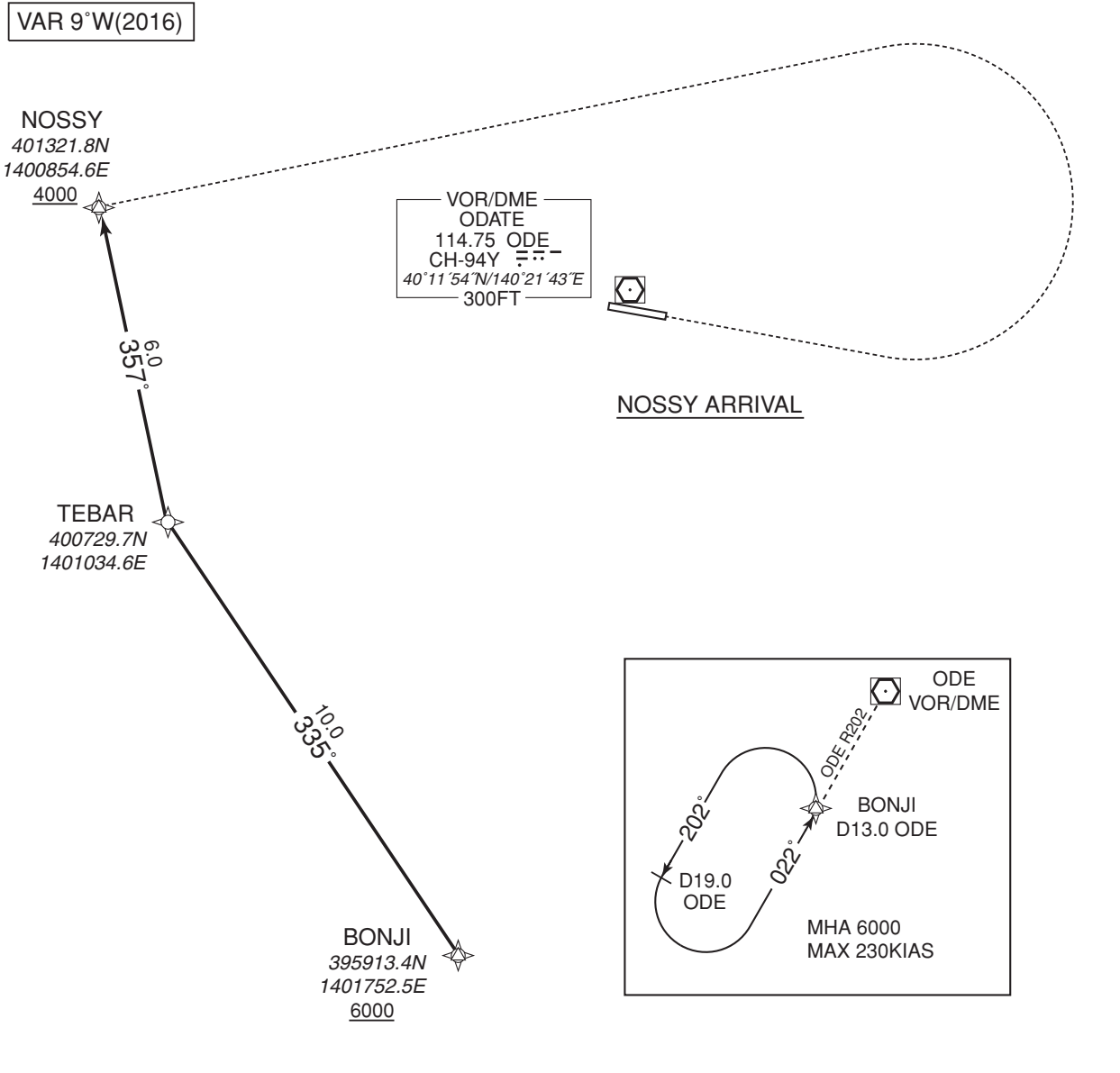
RJSR / ODATE-NOSHIRO

RNAV STAR RWY29

NOSSY ARRIVAL

Basic RNP1

Note GNSS required.



NOSSY ARRIVAL

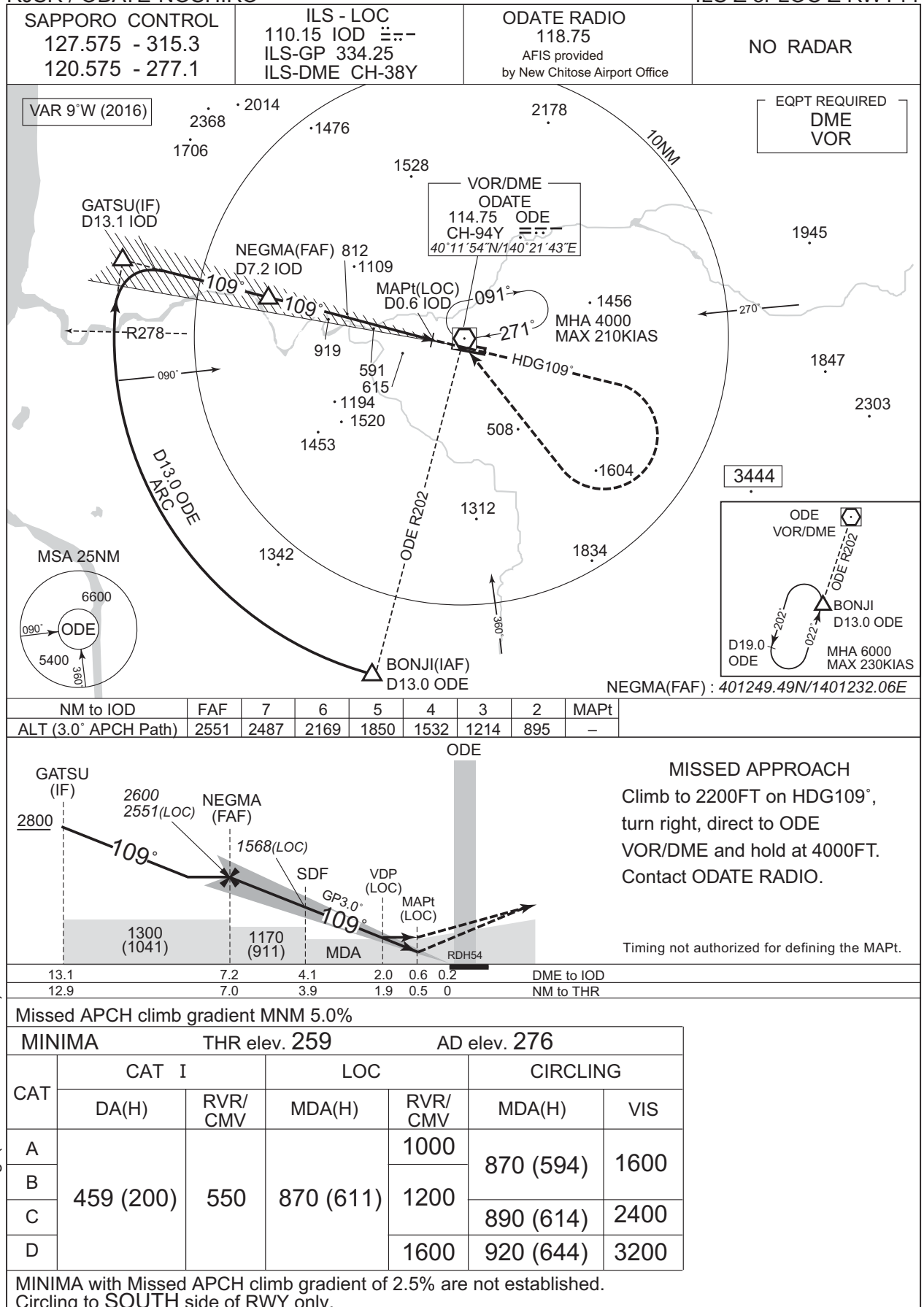
From BONJI at or above 6000FT, to TEBAR, to NOSSY at or above 4000FT.

| 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              | BONJI               | —        | —              | -8.8               | —             | —              | +6000         | —            | —              | Basic RNP1               |
| 002           | TF              | TEBAR               | —        | 335<br>(326.0) | -8.8               | 10.0          | —              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | NOSSY               | —        | 357<br>(347.8) | -8.8               | 6.0           | —              | +4000         | —            | —              | Basic RNP1               |

INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

ILS Z or LOC Z RWY11



## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

ILS Y or LOC Y RWY11

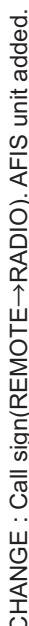


CHANGE : Call sign(REMOTE→RADIO), AFIS unit added.



## RJSR / ODATE-NOSHIRO

VOR A



## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Z RWY29

SAPPORO CONTROL  
127.575 - 315.3  
120.575 - 277.1

GNSS and RF required.

ODATE RADIO  
118.75  
AFIS provided  
by New Chitose Airport Office

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -15°C / above 45°C

VAR 8°W (2011)

NOSSY  
(MAHF)

RW29

SR963

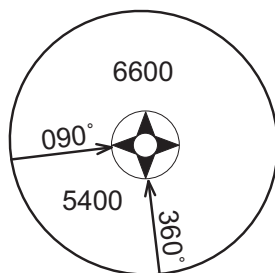
SR962

SR961  
(FAF)SR960  
(IF)  
3900MAGGY  
(IAF)  
6000ODATE  
(ODE)

NOT TO SCALE

MAGGY  
(IAF)  
D17.1ODEMHA6000  
MAX 230KIASMAGGY  
(IAF)

MSA RW29 25NM

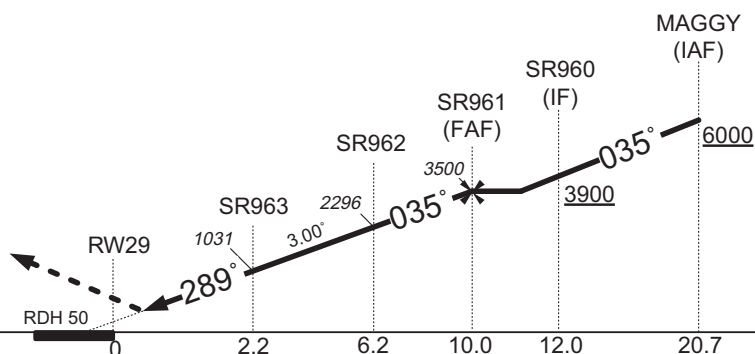


SR961(FAF) : 400434.91N/1402536.32E

## MISSED APPROACH

Climb to 4000FT, to NOSSY  
and hold.

Contact ODATE RADIO.



MINIMA THR elev. 292 AD elev. 276

| CAT | RNP 0.27 |      | RNP 0.30 |      |
|-----|----------|------|----------|------|
|     | DA(H)    | CMV  | DA(H)    | CMV  |
| A   | -        | -    | -        | -    |
| B   | -        | -    | -        | -    |
| C   | 592(300) | 1400 | 643(351) | 1400 |
| D   | -        | -    | -        | -    |

# RNP AR

Special Authorization Required

CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Z RWY29

RNAV(RNP) Z RWY29
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                                 | MAGGY               | —        | —               | -8.5               | —             | —              | +6000         | —            | —              | —            |
| 002           | TF                                 | SR960               | —        | 035<br>(026.1)  | -8.5               | 8.7           | —              | +3900         | —            | —              | 1.0          |
| 003           | TF                                 | SR961               | —        | 035<br>(026.1)  | -8.5               | 2.0           | —              | 3500          | —            | —              | 1.0          |
| 004           | TF                                 | SR962               | —        | 035<br>(026.1)  | -8.5               | 3.8           | —              | 2296          | —            | -3.00          | 0.27<br>0.30 |
| 005           | RF<br>Center:<br>SRRF1<br>r=2.15NM | SR963               | —        | —               | -8.5               | 4.0           | L              | 1031          | —            | -3.00          | 0.27<br>0.30 |
| 006           | TF                                 | RW29                | Y        | 289<br>(280.1)  | -8.5               | 2.2           | —              | 342           | —            | -3.00/50       | 0.27<br>0.30 |
| 007           | TF                                 | NOSSY               | —        | 289<br>(280.3)  | -8.5               | 10.9          | —              | 4000          | —            | —              | 1.0          |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| MAGGY               | 395456.61N / 1401926.80E | SRRF1                    | 400855.54N / 1402516.24E |
| SR960               | 400247.11N / 1402427.29E |                          |                          |
| SR961               | 400434.91N / 1402536.32E |                          |                          |
| SR962               | 400758.60N / 1402746.93E |                          |                          |
| SR963               | 401102.48N / 1402545.54E |                          |                          |
| RW29                | 401125.10N / 1402258.78E |                          |                          |
| NOSSY               | 401321.82N / 1400854.64E |                          |                          |

## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Y RWY29

SAPPORO CONTROL  
127.575 - 315.3  
120.575 - 277.1

GNSS and RF required.

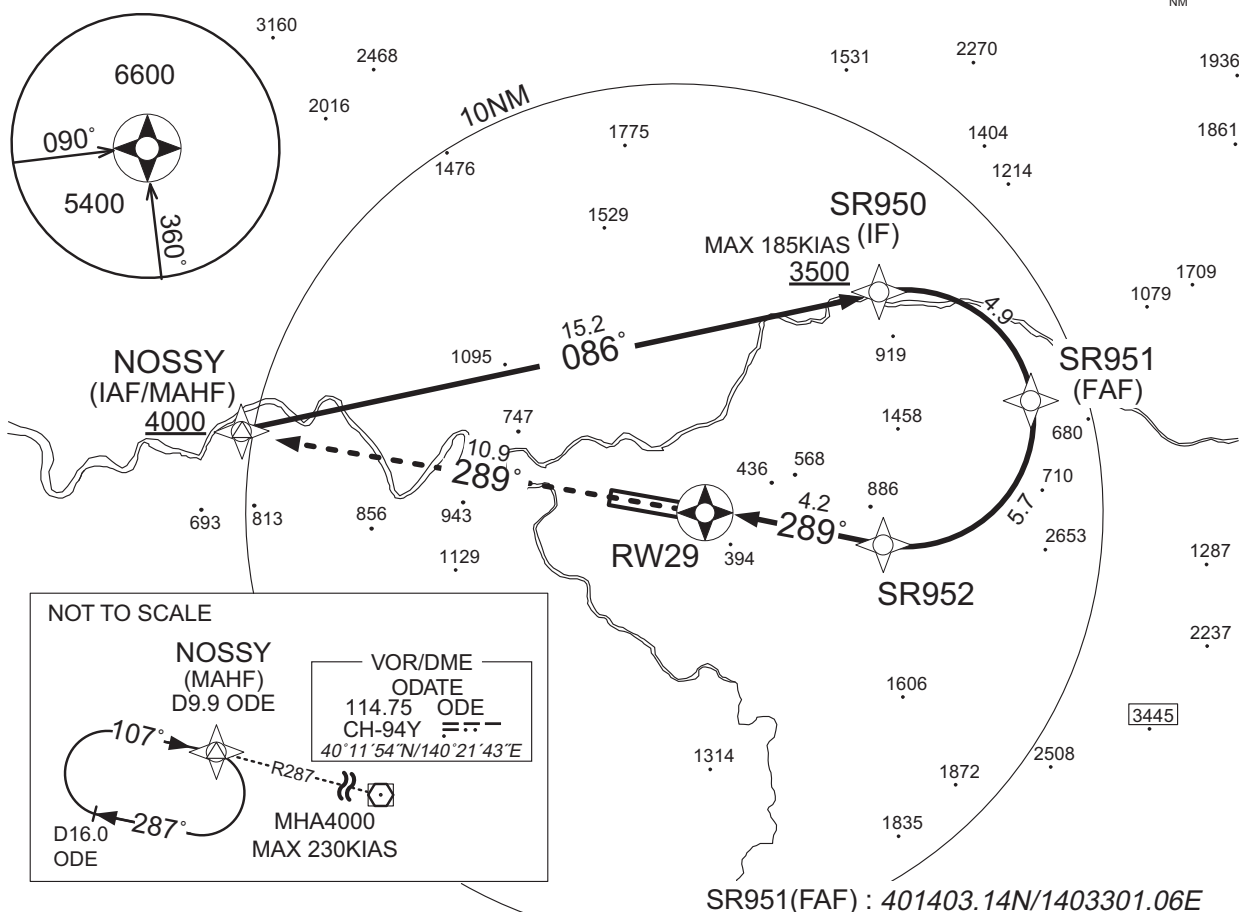
ODATE RADIO  
118.75  
AFIS provided  
by New Chitose Airport Office

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -15°C/above 45°C

VAR 8°W (2011)

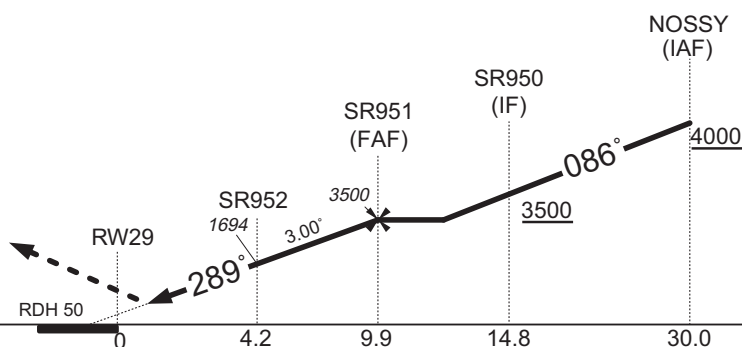
MSA RW29 25NM



## MISSED APPROACH

Climb to 4000FT, to NOSSY  
and hold.

Contact ODATE RADIO.



MINIMA THR elev. 292

AD elev. 276

| CAT | RNP 0.27 |      | RNP 0.30 |      |
|-----|----------|------|----------|------|
|     | DA(H)    | CMV  | DA(H)    | CMV  |
| A   | -        | -    | -        | -    |
| B   | -        | -    | -        | -    |
| C   | 592(300) | 1400 | 643(351) | 1400 |
| D   | -        | -    | -        | -    |

# RNP AR

Special Authorization Required

CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Y RWY29

RNAV(RNP) Y RWY29
Coding Table

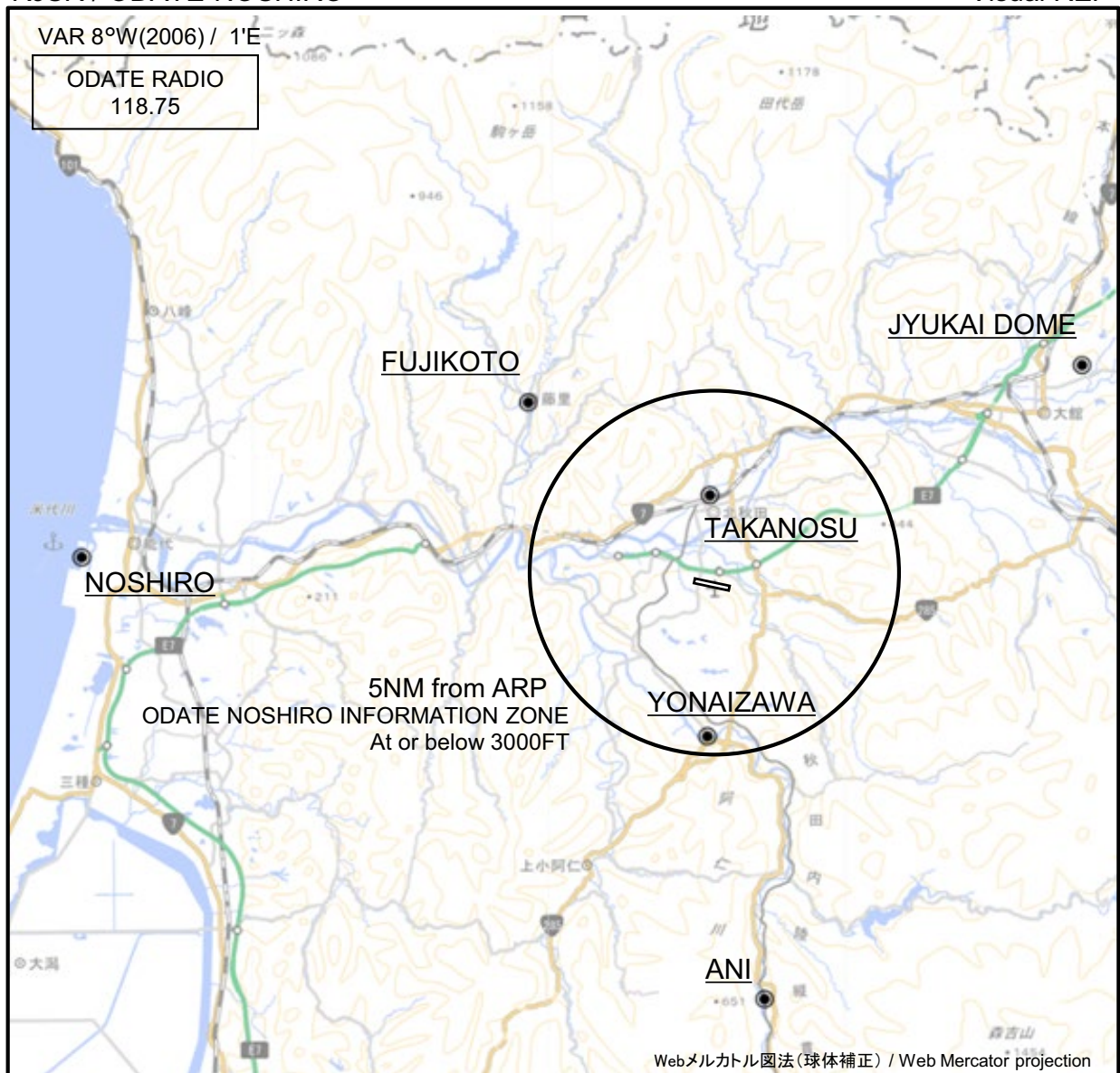
| Serial Number | Path Descriptor                    | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value    |
|---------------|------------------------------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------|
| 001           | IF                                 | NOSSY               | —        | —               | -8.5               | —             | —              | +4000         | —            | —              | —            |
| 002           | TF                                 | SR950               | —        | 086<br>(077.7)  | -8.5               | 15.2          | —              | +3500         | -185         | —              | 1.0          |
| 003           | RF<br>Center:<br>SRRF2<br>r=3.00NM | SR951               | —        | —               | -8.5               | 4.9           | R              | 3500          | —            | —              | 1.0          |
| 004           | RF<br>Center:<br>SRRF2<br>r=3.00NM | SR952               | —        | —               | -8.5               | 5.7           | R              | 1694          | —            | -3.00          | 0.27<br>0.30 |
| 005           | TF                                 | RW29                | Y        | 289<br>(280.1)  | -8.5               | 4.2           | —              | 342           | —            | -3.00/50       | 0.27<br>0.30 |
| 006           | TF                                 | NOSSY               | —        | 289<br>(280.3)  | -8.5               | 10.9          | —              | 4000          | —            | —              | 1.0          |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| SR950               | 401634.48N / 1402818.75E | SRRF2                    | 401338.11N / 1402908.01E |
| SR951               | 401403.14N / 1403301.06E |                          |                          |
| SR952               | 401040.53N / 1402826.85E |                          |                          |
| RW29                | 401125.10N / 1402258.78E |                          |                          |
| NOSSY               | 401321.82N / 1400854.64E |                          |                          |

RJSR / ODATE-NOSHIRO

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 : Call sign(REMOTE→RADIO).

| Call sign            | BRG / DIST from ARP | Remarks   |
|----------------------|---------------------|---|
| 樹海ドーム<br>Jyukai Dome | 058°T / 11.6NM      | 大館市白色ドーム<br>White Dome Odate City                   |
| 藤琴<br>Fujikoto       | 314°T / 7.2NM       | 粕毛川・藤琴川交点<br>Intersection Kasuge and Fujikoto River |
| 鷹巣<br>Takanosu       | 357°T / 2.5NM       | JR駅北側<br>North of JR Station                        |
| 能代<br>Noshiro        | 272°T / 17.3NM      | 能代港<br>Noshiro Harbor                               |
| 米内沢<br>Yonaizawa     | 183°T / 4.2NM       | 内陸線米内沢駅南側米内沢橋<br>Bridge                             |
| 阿仁<br>Ani            | 173°T / 11.6NM      | 内陸線阿仁合駅<br>Station                                  |

RJSR / ODATE-NOSHIRO

LDG CHART





RJSR / ODATE-NOSHIRO

Minimum Vectoring Altitude CHART

