

## AD 2 AERODROMES

## RJNA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJNA - NAGOYA

## RJNA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|   |  |   |
|---|--|---|
| 1 | ARP coordinates and site at AD   | 351518N/1365528E<br>153°/1.42km FM RWY 16 THR   |
| 2 | Direction and distance from (city)   | 10km NE FM Nagoya City (Nagoya Station)   |
| 3 | Elevation/ Reference temperature   | 46ft / 34.3°C(2000-2004)  |
| 4 | Geoid undulation at AD ELEV PSN  | 126ft   |
| 5 | MAG VAR/ Annual change   | 7° W(2006) /Annual Change 0.7° W  |
| 6 | AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses | Aichi Pref. Public AP<br>Nagoya Airport Administration Office<br>Toyoba, Toyoyamacho, Nishikasugaun, Aichi Pref.<br>Tel: 0568-29-1785 , Fax: 0568-29-1806<br>Web: <a href="http://www.pref.aichi.jp/0000005859.html">http://www.pref.aichi.jp/0000005859.html</a> |
| 7 | Types of traffic permitted(IFR/VFR)  | IFR/VFR   |
| 8 | Remarks  | Nil   |

## RJNA AD 2.3 OPERATIONAL HOURS

|    |                           |  |
|----|---------------------------|--|
| 1  | AD Administration         | 2200 - 1300  |
| 2  | Customs and immigration   | On request<br>Customs: 052-398-4225<br>Immigration: 052-559-2150   |
| 3  | Health and sanitation     | On request<br>Quarantine(human): 052-661-4131<br>Quarantine(animal): 052-651-0334, 0569-38-8577<br>Quarantine(plant): 052-651-0112 |
| 4  | AIS Briefing Office       | Nil  |
| 5  | ATS Reporting Office(ARO) | Nil  |
| 6  | MET Briefing Office       | Nil  |
| 7  | ATS                       | H24 by JSDF-A  |
| 8  | Fuelling                  | 2100 - 1200  |
| 9  | Handling                  | Ask AD Administration  |
| 10 | Security                  | Ask AD Administration  |
| 11 | De-icing                  | Nil  |
| 12 | Remarks                   | Nil  |

**RJNA AD 2.4 HANDLING SERVICES AND FACILITIES**

|   |   |  |
|---|---|--|
| 1 | Cargo-handling facilities               | Nil  |
| 2 | Fuel/ oil types                         | Fuel grades : 100, JET A-1<br>Oil grades : W80,W100, ASTO/500,ASTO/555 |
| 3 | Fuelling facilities/ capacity           | Fuel truck refueling / Ask AD Administration                           |
| 4 | De-icing facilities                     | Nil  |
| 5 | Hangar space for visiting aircraft      | Nil  |
| 6 | Repair facilities for visiting aircraft | Nil  |
| 7 | Remarks                                 | Nil  |

**RJNA AD 2.5 PASSENGER FACILITIES**

|   |                      |                       |
|---|----------------------|-----------------------|
| 1 | Hotels               | Hotels in Nagoya city |
| 2 | Restaurants          | Around Airport        |
| 3 | Transportation       | Busses and Taxis      |
| 4 | Medical facilities   | Around Airport]       |
| 5 | Bank and Post Office | Around Airport        |
| 6 | Tourist Office       | Nil                   |
| 7 | Remarks              | Nil                   |

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

|   |   |   |
|---|---|---|
| 1 | AD category for fire fighting               | CAT 6   |
| 2 | Rescue equipment                            | Chemical fire fighting truck × 2<br>Emergency medical equipment conveyance truck<br>Lighting power supply truck |
| 3 | Capability for removal of disabled aircraft | Nil   |
| 4 | Remarks                                     | Nil   |

**RJNA AD 2.7 SEASONAL AVAILABILITY-CLEARING**

|   |                             |                                      |
|---|-----------------------------|--------------------------------------|
| 1 | Types of clearing equipment | Snow remove equipments:Motor graders |
| 2 | Clearance priorities        | Nil                                  |
| 3 | Remarks                     | Seasonal availability:All seasons    |

## RJNA AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

|   |                                     |  |
|---|-------------------------------------|--|
| 1 | Apron surface and strength          | <p>All Apron : Surface: asphalt-concrete and cement-concrete</p> <p>Strength:</p> <p>Spot NR1, 2A-2L, 3A-3H, 4A, 4A1, 4A2, 4B, 4C, 4D,<br/>4D1, 4D2, 4E, 4F, 5A-5H, 6A-6H PCN 69/R/C/W/T</p> <p>Spot NR7A-7H, 8A-8I PCN 55/F/D/X/T</p> <p>Spot NR9A-9H, 12A-12H PCN 51/R/A/X/T</p> <p>Spot NR13, 13A, 14, 14A-14E, 15A-15C,<br/>other apron taxiways PCN 69/R/C/X/T</p> <p>Compass setting apron PCN 46/F/C/X/U</p>  |
| 2 | Taxiway width, surface and strength | <p>All TWY Surface: asphalt concrete and cement-concrete</p> <p>TWY WP1: Width: 23m, Strength: PCN 69/R/C/W/T</p> <p>TWY WP2, WP3, WP4, WP5 : Width: 23m, Strength: PCN 83/F/C/X/T</p> <p>TWY W1 : Width: 26.5m, Strength: PCN 83/F/C/X/T</p> <p>TWY W9 : Width: 28.5m, Strength: PCN 83/F/C/X/T</p> <p>TWY W2, W4, W6,W7, W8: Width: 30.0m, Strength: PCN 83/F/C/X/T</p> <p>TWY W3 : Width: 30m, Strength: PCN 97/F/D/W/T</p> <p>TWY W5 : Width: 30m, Strength: PCN 97/F/D/Z/T</p> <p>M1 TWY : Width: 23m, Strength: PCN 54/R/C/X/T</p> <p>M2 TWY : Width: 30m, Strength: PCN 69/R/C/X/T</p> <p>M3 TWY : Width: 23m, Strength: PCN 65/R/C/X/T</p> <p>J TWY : Width: 18m, Strength: PCN 32/F/C/X/T</p>   |
| 3 | ACL and elevation                   | Not available  |
| 4 | VOR checkpoints                     | Not available  |
| 5 | INS checkpoints                     | <p>Spot NR</p> <p>1: 351453.04N 1365531.62E</p> <p>9A: 351510.82N 1365522.27E</p> <p>9B: 351510.30N 1365521.06E</p> <p>9C: 351509.78N 1365519.85E</p> <p>12A: 351515.48N 1365518.50E</p> <p>12B: 351514.34N 1365516.90E</p> <p>12C: 351513.74N 1365515.54E</p> <p>12D: 351512.97N 1365520.90E</p> <p>12E: 351512.45N 1365519.69E</p> <p>12F: 351511.93N 1365518.48E</p> <p>13: 351516.34N 1365517.53E</p> <p>13A: 351516.26N 1365518.21E</p> <p>14: 351516.50N 1365516.93E</p> <p>14A: 351515.88N 1365515.92E</p> <p>14B: 351515.30N 1365514.55E</p> <p>14C: 351519.74N 1365516.08E</p> <p>14D: 351518.92N 1365514.15E</p> <p>14E: 351518.09N 1365512.23E</p> <p>15A: 351522.05N 1365514.62E</p> <p>15B: 351521.22N 1365512.69E</p> <p>15C: 351520.39N 1365510.76E</p> |
| 6 | Remarks                             | Nil  |

**RJNA 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   | <p>RWY: RWY16/34<br/>(Marking) RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe.<br/>(LGT) RCLL, REDL, RTHL, RENL, RTZL(RWY34), WBAR(RWY34), RWY DIST marker LGT</p> <p>TWY: All TWY<br/>(Marking) TWY CL, RWY HLDG PSN, TWY side stripe<br/>(LGT) TWY edge LGT, TWY CL LGT, Taxiing guidance sign</p> |
| 3 | Stop bars  | Nil  |
| 4 | Remarks  | <p>(Marking) Overrun area<br/>(LGT) Apron flood LGT</p>  |

**RJNA AD 2.10 AERODROME OBSTACLES**

■ In Area2 See Obstacle data

■ In Area3 To be developed

## RJNA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

|    |  |   |
|----|--|---|
| 1  | Associated MET Office  | Aichi Pref.   |
| 2  | Hours of service<br>MET Office outside hours                           | Nil   |
| 3  | Office responsible for TAF<br>preparation<br>Periods of validity       | Nil   |
| 4  | Trend forecast<br>Interval of issuance                                 | Nil   |
| 5  | Briefing/ consultation provided  | Nil   |
| 6  | Flight documentation<br>Language(s) used                               | C<br>En   |
| 7  | Charts and other information<br>available for briefing or consultation | Nil   |
| 8  | Supplementary equipment<br>available for providing information         | Nil   |
| 9  | ATS units provided with information                                    | TWR   |
| 10 | Additional information(limitation of<br>service, etc.)                 | Meteorological charts ( S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>SW</sub> , U <sub>2</sub> /T <sub>r</sub> , C) are<br>displayed, while briefing is not provided. |

Airspace for the advisory service  
concerning low level wind shear

UPPER LIMIT : 1600ft above FIELD ELEV LEVEL  
LOWER LIMIT : FIELD ELEV LEVEL

## RJNA 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   |
| 16                     | 152.42°                | 2740x45   | PCN63/F/B/X/T<br>Asphalt Concrete   | 351559.16N<br>1365502.69E<br>125ft      | THR ELEV:52ft<br>TDZ ELEV:52ft  |
| 34                     | 332.42°                | 2740x45   | PCN63/F/B/X/T<br>Asphalt Concrete   | 351440.36N<br>1365552.86E<br>126ft      | THR ELEV:50.0ft<br>TDZ ELEV:52ft                                      |
| Slope of RWY           | Strip<br>Dimensions(M) | RESA(Overrun)<br>Dimensions(M)                                      | Remarks   |   |   |
| 7                      | 10                     | 11  | 14  |   |   |
| See Below Chart        | 2860x300               | 240x(MNM:197 MAX:341)*  | RWY grooving : 2740m x 30m<br>Overrun barrier(type net) 75m outside from THR,<br>Arresting gear 17m outside from THR. |   |   |
| See Below Chart        | 2860x300               | 240x(MNM:200 MAX:300)*<br>*For detail,<br>ask airport administrator | RWY grooving : 2740m x 30m<br>Overrun barrier(type net) 42m outside from THR,<br>Arresting gear at THR                |   |   |



## RJNA 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       |
| 16             | 2740        | 2740        | 2740        | 2740       | Nil     |
| 34             | 2740        | 2740        | 2740        | 2740       | Nil     |

## RJNA 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                    |
| 16   | PALS<br>480m<br>LIH                 | Green<br>-            | PAPI<br>3.0°/LEFT<br>437m<br>64ft                  | -           | 2,740m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2,740m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*1)          |
| 34   | PALS<br>(CAT I)<br>450m<br>LIH      | Green<br>Green        | PAPI<br>3.0°/LEFT<br>419m<br>67.3ft                | 900m        | 2,740m<br>30m<br>Coded color<br>(White/Red)<br>LIH | 2,740m<br>60m<br>Coded color<br>(White/Yellow)<br>LIH | Red                   | Nil<br>(*1)          |
| Remarks                                      |                                     |                       |  |             |  |   |                       |                      |
| 10   |                                     |                       |  |             |  |   |                       |                      |
| Overrun area edge LGT(LEN:60m Color:Red)(*1) |                                     |                       |  |             |  |   |                       |                      |

## RJNA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

|   |  |   |
|---|--|---|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 351508N/1365516E, White/Green EV4.3sec, HO   |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | LDI : Nil<br>Anemometer : RWY16 : 350m FM RWY16 THR, LGTD<br>RWY34 : 390m FM RWY34 THR, LGTD        |
| 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: REDL, RENL, RTHL, WBAR, RCLL and Overrun area edge LGT<br>Within 15 sec: Other lights |
| 6 | Remarks  | WDI LGT   |

## RJNA AD 2.16 HELICOPTER LANDING AREA

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

## RJNA 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       |
| NAGOYA CTR                     | Area defined as follows.<br>(1) Area within a radius of 5NM of NAGOYA ARP (3515N/13655E)<br>(2) Area within a line connecting 3515N13659E, 3511N13701E, 3509N13657E, 3513N13654E and 3515N13659E in consecutive order.   | 3000                 | D                       | NAGOYA TWR<br>En  |         |
| NAGOYA PCA                     | 1. The airspace bounded by the lines connecting the following points.<br>(1) 351103N/1370057E, (2) 350913N/1365637E, (3) 350633N/1365818E, (4) 350824N/1370238E thence to point(1).  | 4000<br>800          | C                       | CENTRAIR<br>APP<br>CENTRAIR<br>RADAR<br>CENTRAIR<br>DEP<br><br>EN |         |
|                                | 2. The airspace bounded by the lines connecting the following points.<br>(4) 350824N/1370238E, (3) 350633N/1365818E, (5) 350338N/1370008E, (6) 350531N/1370426E thence to point(4). The line connecting point(5) to point(6) is the minor arc with a radius of 13NM from Nagoya VORTAC(KCC). | 5000<br>1300         |                         |   |         |
| CHUBU ACA                      | See RJGG AD2.17  |                      | E                       | CENTRAIR<br>APP/DEP/<br>RADAR<br><br>En                           |         |
| CHUBU TCA                      | See RJGG AD2.17  |                      | E                       | CENTRAIR<br>TCA<br><br>En   |         |



名古屋特別管制区  
Nagoya Positive Control Area

| NAME          | LATERAL LIMITS                    | UPPER LIMIT<br>(AMSL)          | UNIT<br>PROVIDING<br>SERVICE  | REMARKS  |
|---------------|-----------------------------------|--------------------------------|---|--|
|               |                                   | LOWER LIMIT<br>(AMSL)<br>M(ft) |   |  |
| 1             | 2                                 | 3                              | 4   | 5  |
| 名古屋<br>NAGOYA | 下記に示される区域<br>The area shown below |                                | Primary<br>Centrair APP<br>121.05 119.175<br>228.4 245.3<br>Centrair Radar<br>125.55<br>Secondary<br>Nagoya TWR<br>118.7 236.8<br>122.7 305.7 | 当該空域を飛行しようとする航空機は、Centrairアプローチ（Centrairレーダー）又は名古屋タワーに連絡し、現在位置、高度及び意図を通報し指示を受けること。<br>Pilot of aircraft operating in this area shall contact Centrair APP(RADAR) or Nagoya TWR, for ATC instructions giving informations on aircraft identification, position, altitude and pilot's intention. |



## RJNA AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign          | Frequency  | Hours of operation | Remarks                        |
|---------------------|--------------------|--|--------------------|--------------------------------|
| 1                   | 2                  | 3  | 4                  | 5                              |
| APP                 | Centrair Approach  | 119.175 MHz (1)<br>245.3 MHz (1)<br>121.05 MHz<br>228.4 MHz<br>121.5 MHz (E)<br>243.0 MHz (E)  | H24                | (1) Primary                    |
| RADAR               | Centrair Radar     | 121.225 MHz<br>227.2 MHz<br>125.55 MHz<br>121.5 MHz (E)<br>243.0 MHz (E)   | H24                |                                |
| DEP                 | Centrair Departure | 121.225 MHz<br>227.2 MHz<br>119.175 MHz<br>245.3 MHz<br>121.5 MHz (E)<br>243.0 MHz (E)   | H24                |                                |
| TCA                 | Centrair TCA       | 119.25 MHz<br>321.2 MHz<br>121.175 MHz<br>318.0 MHz  | 2330 - 1100        |                                |
| TWR                 | Nagoya Tower       | 236.8 MHz<br>305.7 MHz<br>118.7 MHz<br>122.7 MHz<br>247.0 MHz (1)<br>138.05 MHz (1)<br>123.1 MHz (1)<br>243.0 MHz (E)<br>121.5 MHz (E) | H24                | (1) For rescue only            |
| GND                 | Nagoya Ground      | 275.7 MHz<br>121.7 MHz   | H24                |                                |
| DLVRY               | Nagoya Delivery    | 258.9 MHz<br>121.75 MHz  | H24                |                                |
| GCA-ASR<br>-PAR     | Nagoya GCA         | 270.8 MHz<br>335.6 MHz<br>239.3 MHz<br>134.1 MHz<br>119.9 MHz<br>120.3 MHz<br>243.0 MHz(E)<br>121.5 MHz(E)                             | H24                | See AD2.22 "FLIGHT PROCEDURES" |

## RJNA 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>(8°W / 2017)                 | KCC | 114.2MHz            | H24                   | 351554.96N<br>1365453.73E                             |  | VOR Unusable:<br>200°-210° beyond 35nm BLW 5000ft.<br>260°-270° beyond 30nm BLW 7000ft.<br>320°-340° beyond 20nm BLW 8000ft.  |
| TACAN                               | KCC | 1176MHz<br>(CH-89X) | H24                   | 351555.75N<br>1365452.23E                             | 83ft   | TACAN DME unusable:<br>200°-210° beyond 35nm BLW 5000ft.<br><br>TACAN AZM unusable:<br>160°-180° beyond 35nm BLW 5000ft.<br>180°-200° beyond 30nm BLW 5000ft.<br>200°-210° beyond 25nm BLW 5000ft.<br>260°-270° beyond 35nm BLW 7000ft. |
| ILS-LOC34                           | IKC | 108.9MHz            | 2200-1300             | 351611.06N<br>1365455.11E                             |  | BRG (MAG) 341°<br>414m away FM RWY16 THR  |
| ILS-GP34                            |     | 329.3MHz            | 2200-1300             | 351448.37N<br>1365542.42E                             |  | GP angle 3.0°<br>HGT of ILS Ref datum 55ft<br>341m inside FM RWY34 THR<br>120m SW of RCL  |
| ILS-DME34                           | IKC | 987MHz<br>(CH-26X)  | 2200-1300             | 351448.41N<br>1365542.23E                             | 63.8ft   | 344m inside FM RWY34 THR<br>124m SW of RCL  |
| MSAS                                |     | 1575.42MHz          | H24                   |   |  | Transmitting antennas are satellite based   |

## NAGOYA AIRPORT

## ILS for RWY 34



REMARKS: 1. LOC beam BRG(MAG) 341°  
 2. HGT of ILS REF datum 16.8m (55ft)  
 3. GP Angle 3.0°  
 4. ELEV of ILS-DME 19.5m (63.8ft)

## RJNA AD 2.20 LOCAL TRAFFIC REGULATIONS

## 1. Airport regulations

1.1 空港の使用について、航空機の運航者はあらかじめ愛知県に届け出ること。

1.1 On use of NAGOYA airport , aircraft operator is required to notify Aichi Pref in advance.

1.2 訓練飛行を行うときは、愛知県の承認を得ること。

1.2 Training flight is subject to the approval of Aichi Pref.

## 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

## 6.1 誘導路交差点の翼端クリアランス

(AD1.1.6.8 参照)

誘導路上の停止位置に待機中の航空機と後方の誘導路を走行する航空機の翼端クリアランスは以下のとおりである。

## 6.1 Wing tip clearance at the TWY intersection

(REF. AD1.1.6.8)

Wing tip clearance at the TWY intersection between the aircraft holding at the stop marking on the TWY and the other aircraft taxiing behind it are as follows.

(1) When B773 holding at the stop marking on TWY W2 or W8

| Wing Span (WS) of aircraft taxiing on WP1 – Apron TWY or WP3 – WP4 | WS ≤ 15.2m | 15.2m < WS ≤ 32.2m | WS > 32.2m |
|--|------------|--------------------|------------|
| Wing tip clearance   | *A         | *B                 | *C         |

(2) When A333 holding at the stop marking on TWY W7

| Wing Span (WS) of aircraft taxiing on WP2 – WP3 | WS ≤ 12.9m | WS > 12.9m |
|---|------------|------------|
| Wing tip clearance                              | *B         | *C         |

Legend:

\*A : wing tip clearance ≥ 15m

\*B : 6.5m ≤ wing tip clearance < 15m

\*C : wing tip clearance < 6.5m

## 6.2 B773 のための誘導路運用ガイダンス

B773 の操縦士は、誘導路 W2、W4、W5、W6、W7、W8 のコーナーには特に注意を払うこと。

## 6.2 TWY operational guidance for B773

The pilots of B773 are required to pay special attention at the corner section TWY W2, W4, W5, W6, W7 and W8.

## 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

## RJNA AD 2.21 NOISE ABATEMENT PROCEDURES

## 1. 騒音軽減運航方式

すべてのジェット機に対して、空港周辺における航空機騒音軽減のため、運航の安全に支障のない範囲で、以下の方式が適用される。ただし、これらの方式によることができない航空機は実効的にこれらと同等と認められる代替方式を実施するものとする。

- (1) 離陸について（滑走路 16/34）  
急上昇方式
- (2) 着陸について（滑走路 16/34）  
ディレイド・フラップ進入方式及び  
低フラップ角着陸方式
- (3) リバース・スラストについて  
なし

## 2. 優先滑走路方式

なし

## 3. 優先飛行経路

すべてのジェット機に対して、航行の安全確保及び飛行の目的に支障がない範囲において適用される。

- (1) 滑走路 34 から離陸する場合  
名古屋 VORTAC から 2 海里の地点を通過する  
まで直線飛行する。
- (2) 滑走路 16 から離陸する場合  
名古屋 VORTAC から 3 海里の地点を通過する  
まで直線飛行する。

## 1. Noise Abatement Operating Procedures

For all jet aircraft, in order to reduce aircraft noise in the vicinity of the airport, the following procedures shall be applied unless compliance of the procedures adversely affects the safety of aircraft operations. In case that the aircraft is unable to take these procedures, pilots should execute alternative procedures which are considered to be practically equivalent.

- (1) For take-off from RWY 16/34  
Steepest Climb Procedure
- (2) For landing to RWY 16/34  
Delayed Flap Approach Procedure and  
Reduced Flap Setting Procedure
- (3) Reverse Thrust  
Nil

## 2. Preferential Runways Procedures

Nil

## 3. Noise Preferential Routes

For all jet aircraft, the following noise preferential routes are adopted, as long as flight safety is not jeopardized or purpose of flight is not hindered.

- (1) For take-off from RWY 34  
Pilots are requested to strictly follow extended runway centerline until passing 2NM from Nagoya VORTAC.
- (2) For take-off to RWY 16  
Pilots are requested to strictly follow extended runway centerline until passing 3NM from Nagoya VORTAC.

AD 1.1.6.5 参照

See : AD1.1.6.5

## RJNA 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) |      |
|--|-----|-------------|-----------------|------|--------------------------------|------|-----------------------|------|
|  |     |             | RVR             | VIS  | RVR                            | VIS  | RVR                   | VIS  |
| Multi-Engine<br>ACFT with<br>TKOF ALTN<br>AP FILED | 16  | A, B, C, D  | 400m            | 400m | 400m                           | 400m | -                     | 500m |
|  | 34  |             |                 |      |                                |      |                       |      |
| OTHER  | 16  | A, B, C, D  | AVBL LDG MINIMA |      |                                |      |                       |      |
|  | 34  |             |                 |      |                                |      |                       |      |

## 2. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

## PAR RWY 16

| MINIMA |          | THR ELEV:52 | AD ELEV: 46 |      |
|--------|----------|-------------|-------------|------|
| CAT    | PAR      |             | CIRCLING    |      |
|        | DA(H)    | RVR/<br>CMV | MDA(H)      | VIS  |
| A      | 252(200) | 750         | 680(634)    | 1600 |
| B      |          |             |             |      |
| C      |          |             | 860(814)    | 2400 |
| D      |          |             |             | 3200 |

## PAR RWY 34

| MINIMA |          | THR ELEV:50 | AD ELEV: 46 |      |
|--------|----------|-------------|-------------|------|
| CAT    | PAR      |             | CIRCLING    |      |
|        | DA(H)    | RVR/<br>CMV | MDA(H)      | VIS  |
| A      | 252(202) | 700         | 680(634)    | 1600 |
| B      |          |             |             |      |
| C      |          |             | 860(814)    | 2400 |
| D      |          |             |             | 3200 |

## ASR RWY 16

| MINIMA |          | THR ELEV:52 | AD ELEV: 46 |      |
|--------|----------|-------------|-------------|------|
| CAT    |          |             | CIRCLING    |      |
|        | MDA(H)   | RVR/<br>CMV | MDA(H)      | VIS  |
| A      | 680(634) | 1400        | 680(634)    | 1600 |
| B      |          | 1500        |             |      |
| C      |          | 1600        | 860(814)    | 2400 |
| D      |          | 1800        |             | 3200 |

## ASR RWY 34

| MINIMA |          | THR ELEV:50 | AD ELEV: 46 |      |
|--------|----------|-------------|-------------|------|
| CAT    |          |             | CIRCLING    |      |
|        | MDA(H)   | RVR/<br>CMV | MDA(H)      | VIS  |
| A      | 540(494) | 1400        | 680(634)    | 1600 |
| B      |          | 1500        |             |      |
| C      |          | 1600        | 860(814)    | 2400 |
| D      |          | 1800        |             | 3200 |

**3. Lost communication procedures for arrival aircraft under radar navigational guidance**

If radio communications with Centrair Approach/Radar or NAGOYA GCA are lost for 1 minute, or 5 seconds(PAR)/15 seconds(ASR) on final approach, squawk Mode A/3 Code 7600 and;

- (I)
1. Contact Nagoya Tower.
  2. If unable, proceed in accordance with Visual Flight Rules.
  3. If unable,
    - a) Proceed to Nagoya VORTAC at last assigned altitude or 3,000FT whichever is higher and execute Instrument Approach.
    - b) Proceed to SHATI via Nagoya VORTAC at last assigned altitude or 5,000FT whichever is higher and execute TACAN A Approach.
- (II) Procedures other than above will be issued when situation required.

**4. Automated Radar Terminal System(ARTS)**

セントレアアプローチの指示のもとに、中部進入管制区を飛行する航空機は、モード A/3 の二次レーダー個別コード及びモード C による応答を指示される。

二次レーダー個別コードを搭載していない航空機が当該コードによる応答を指示された場合は、管制官に対し、その旨通報すること。

Aircraft flying under control of "Centrair Approach" in the Chubu approach control area will be instructed to reply with discrete code on Mode A/3 and Mode C.

If an aircraft with non-discrete code capability be instructed to reply with the discrete code, it shall report a controller accordingly.

**5. PAR 進入 滑走路 16 / 34**  
グライドパス 3.0°**5. PAR RWY16/34**  
Glide path 3.0°**6. 場周経路を飛行する際の高度**

場周経路を飛行する際の高度は以下のとおり。

- (1) 固定翼航空機
- 1) ジェット 2,000 フィート
  - 2) プロペラ
    - 単発機 1,000 フィート
    - 多発機 1,200 フィート (4 発機を除く。)
    - 4 発機 1,500 フィート
- (2) 回転翼航空機 800 フィート

**6. Altitude at Traffic Pattern as follows**

Traffic Pattern Altitude as follows.

- (1) Fixed aircraft
- a) Jet 2,000ft
  - b) Propeller
    - Single engine 1,000ft
    - Multi engine 1,200ft(except 4 engines)
    - 4 engines 1,500ft
- (2) Rotor craft 800ft

## RJNA AD 2.23 ADDITIONAL INFORMATION

1. Extensive military jet aircraft and military rescue helicopter activities in NAGOYA and GIFU CTZ.
1. 名古屋及び岐阜管制圏内で、軍用ジェット機及び軍用救難ヘリコプターが大規模に活動している。
2. Building (See below chart) 建築物

## 建築物 / Building

建築物

1. 位置 :  $35^{\circ}12'58''/136^{\circ}54'47''$  (名古屋空港標点から南4.4km)  
- See LDG CHART
2. 高さ : 552FT (168m) MSL  
525FT (160m) AGL
3. 備考 : 中光度及び低光度航空障害灯が下図のとおり設置されている。

Building

1. Position :  $35^{\circ}12'58''/136^{\circ}54'47''$  (4.4km S from NAGOYA ARP)  
- See LDG CHART
2. Height : 552FT (168m) MSL  
525FT (160m) AGL
3. Remarks : Medium-intensity and low-intensity obstacle lights are installed on this tower as shown in below figure.

- ☆ 中光度航空障害灯  
Medium-intensity obstacle lights
- ★ 低光度航空障害灯  
Low-intensity obstacle lights





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

|   |
|---|
| <p>Aerodrome/Heliport Chart<br/>Aircraft Parking/Docking Chart<br/>Standard Departure Chart - Instrument (IBUKI)<br/>Standard Departure Chart - Instrument (HOUBA)<br/>Standard Departure Chart - Instrument (MORIZ)<br/>Standard Departure Chart - Instrument (NAGOYA)<br/>Standard Departure Chart - Instrument (TALMI)<br/>Standard Departure Chart - Instrument (TRANSITION-RNAV)<br/>Standard Arrival Chart - Instrument (EXPOH)<br/><br/>Standard Arrival Chart - Instrument (ORIBE EAST/SOUTH, SHINO-RNAV)<br/>Instrument Approach Chart (ILS Z or LOC Z RWY34)<br/>Instrument Approach Chart (ILS Y or LOC Y RWY34)<br/>Instrument Approach Chart (VOR RWY34)<br/>Instrument Approach Chart (VOR A)<br/>Instrument Approach Chart (TACAN A)<br/>Instrument Approach Chart (RNAV(GNSS) RWY16)<br/>Other Chart (Visual REP)<br/>Other Chart (LDG CHART)<br/>Other Chart (MVA CHART)</p> |
|---|

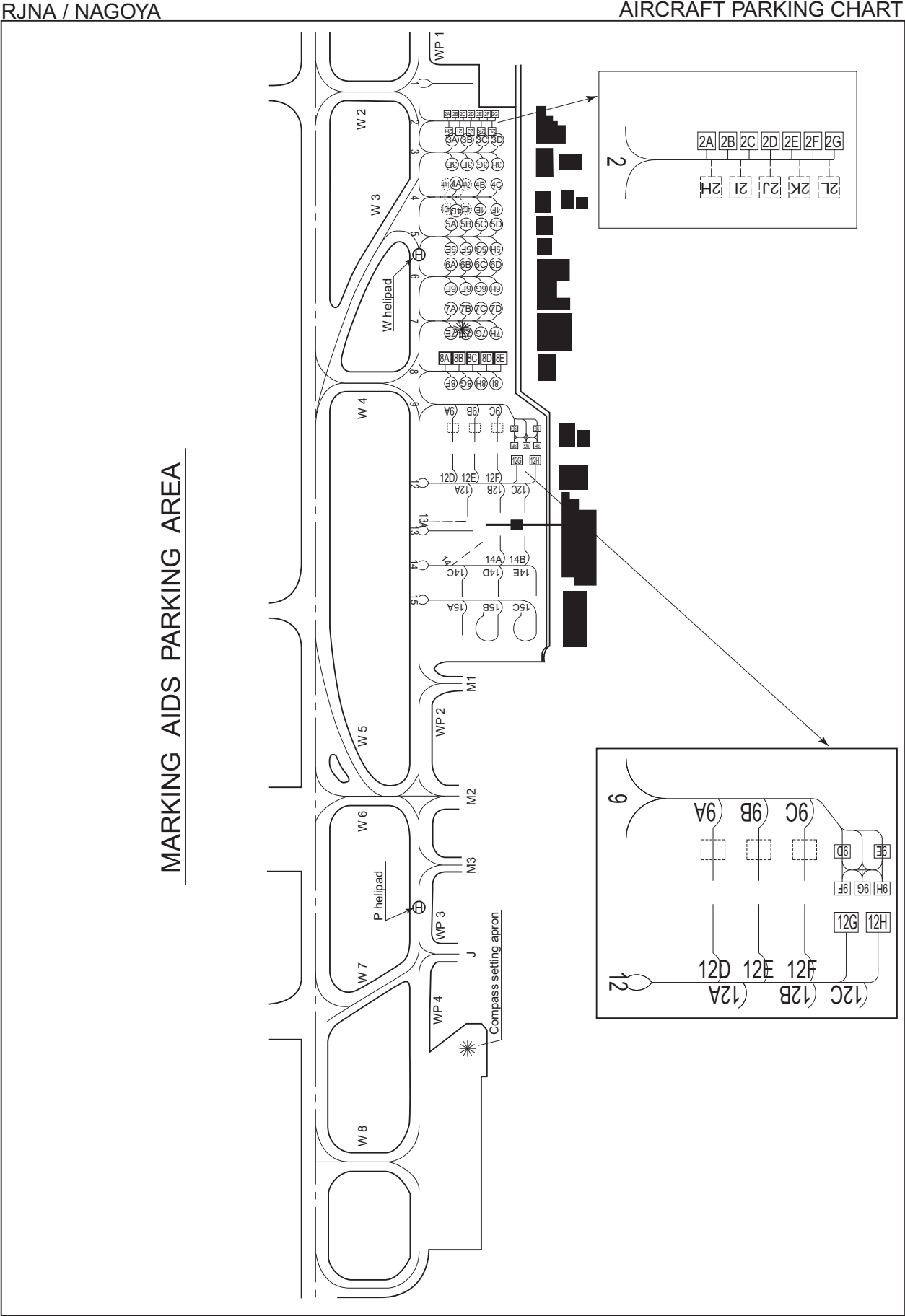
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## AD CHART

## MARKING AIDS



CHANGE: Spot 13A,14 installed



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID and TRANSITION

IBUKI FOUR DEPARTURE

RWY16 : Climb RWY HDG to KCC 3.5DME, turn right HDG004° ...

RWY34 : Climb RWY HDG to 700FT, turn left within 4NM from RWY end/KCC  
4.0DME,...

...to intercept and proceed via KCC R319 to IBUKI.

Cross IBUKI at or above 11000FT.

Note RWY16 : 5.0% climb gradient required up to 700FT.

OBST ALT 551FT located at 1.9NM 215° FM end of RWY16.

RWY34 : 5.0% climb gradient required up to 700FT.

ADGUN TRANSITIONFrom over IBUKI, via KCC 29.5DME counterclockwise ARC  
to intercept and proceed via KCC R262 to ADGUN.

Note : This TRANSITION is for TACAN equipped aircraft only.

OHNNO TRANSITIONFrom over IBUKI, via KCC 29.5DME clockwise ARC  
to intercept and proceed via KCC R348 to OHNNO.

Cross KCC R336 at or above FL150.

Note : This TRANSITION is for TACAN equipped aircraft only.

CHANGE : ADGUN TRANSITION, OHNNO TRANSITION established. OTSU TRANSITION, KOMATSU TRANSITION abolished.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

RNAV TRANSITION

| MIDER TRANSITION  |                       |   | RNAV1 |
|---|-----------------------|---|-------|
| NOTE 1 ) DME/DME/IRU or GNSS required.<br>2 ) RADAR service required. | Critical DME          | -   |       |
|   | DME GAP               | -   |       |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |       |

VAR 8°W(2020)

MIDER TRANSITION

From IBUKI at or above 11000FT, to MIDER.

| 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              | IBUKI               | -        | -              | -7.9               | -             | -              | +11000        | -            | -              | RNAV1                    |
| 002           | TF              | MIDER               | -        | 230<br>(222.4) | -7.9               | 46.2          | -              | -             | -            | -              | RNAV1                    |

CHANGE : New PROC.

STANDARD DEPARTURE CHART -INSTRUMENT



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID

HOUBA FOUR DEPARTURE

RWY16 : Climb RWY HDG to 600FT, turn left HDG349°...

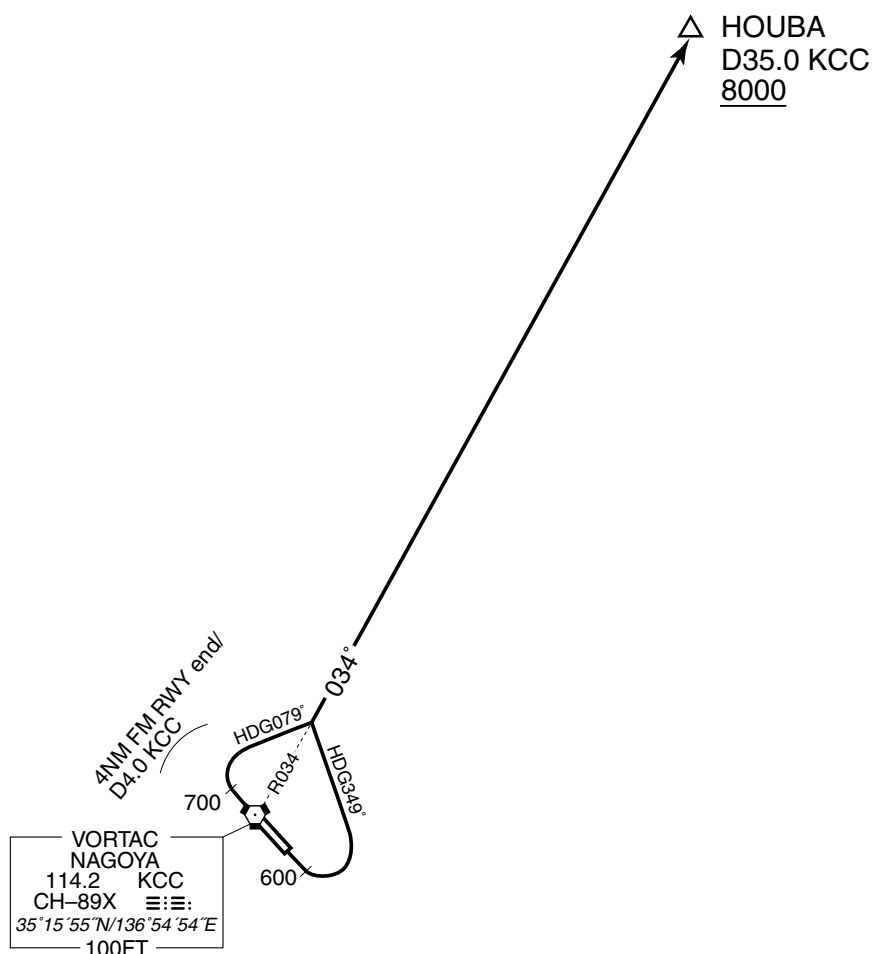
RWY34 : Climb RWY HDG to 700FT, turn right within 4NM from RWY end/  
KCC 4.0DME, via HDG079°...

...to intercept and proceed via KCC R034 to HOUBA.

Cross HOUBA at or above 8000FT.

Note RWY16 : 5.0% climb gradient required up to 600FT.

RWY34 : 5.0% climb gradient required up to 700FT.

HOUBA FOUR DEPARTURE



STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

TRANSITION

KROBE TRANSITION

From over HOUBA, via KCC R034 to KROBE via STRAW.  
Cross STRAW at or above FL200.

NIIGATA TRANSITION

From over HOUBA, via KCC R034 to KROBE via STRAW, via GTC R227 to  
GTC VORTAC.  
Cross STRAW at or above FL200.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID

MORIZ FIVE DEPARTURE

RWY16 : Climb RWY HDG to 600FT, turn left,...

RWY34 : Climb RWY HDG to 700FT, turn right within 4NM from RWY end/KCC  
4.0DME, via HDG182° to intercept and proceed...  
...via KCC R137 to MORIZ.(Cross KCC R137/10.0DME at or above 5000FT when using KCC  
TACAN only.)

Cross MORIZ at or above 7000FT.

Note RWY16 : 5.0% climb gradient required up to 600FT.

RWY34 : 5.0% climb gradient required up to 700FT.



STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

TRANSITION

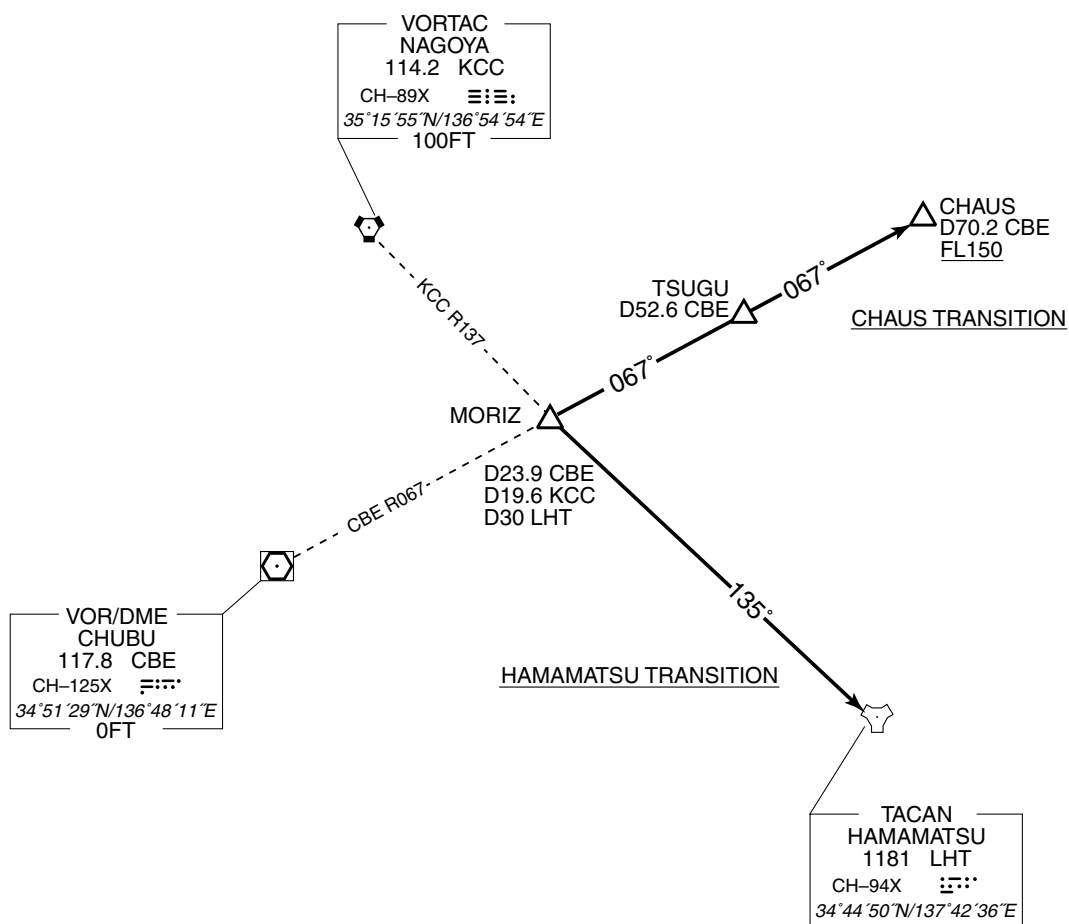
HAMAMATSU TRANSITION

From over MORIZ, via LHT R315 to LHT TACAN.

CHAUS TRANSITION

From over MORIZ, via CBE R067 to CHAUS via TSUGU.

Cross CHAUS at or above FL150.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

TRANSITION

ALPUS TRANSITION

From over MORIZ, via CBE R067 to MUGEN via TSUGU, via KCC R088 to ALPUS.

Cross MUGEN at or above FL150.

ALPUS TRANSITION

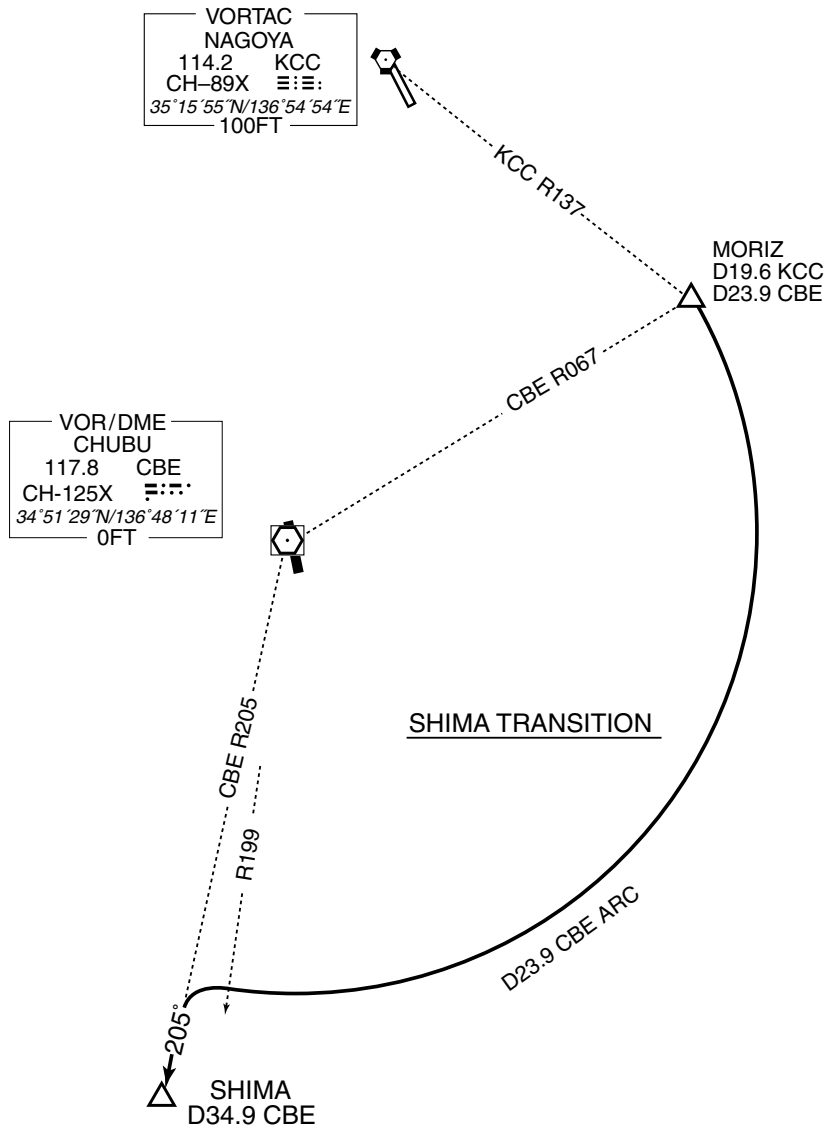
STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

TRANSITION

SHIMA TRANSITION

From over MORIZ, via CBE 23.9DME clockwise ARC to intercept and proceed via CBE R205 to SHIMA.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID

NAGOYA EAST REVERSAL ONE DEPARTURE

RWY16 : Climb RWY HDG to 600FT, turn left, direct to KCC VORTAC.  
Cross KCC VORTAC at or above 3000FT.

RWY34 : Climb RWY HDG to 700FT, turn right within 4NM from RWY end/KCC 4.0DME,  
direct to KCC VORTAC.  
Cross KCC VORTAC at or above 3000FT.

Note RWY16 : 5.0% climb gradient required up to 600FT.  
RWY34 : 5.0% climb gradient required up to 700FT.

NAGOYA EAST REVERSAL ONE DEPARTURE

STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID

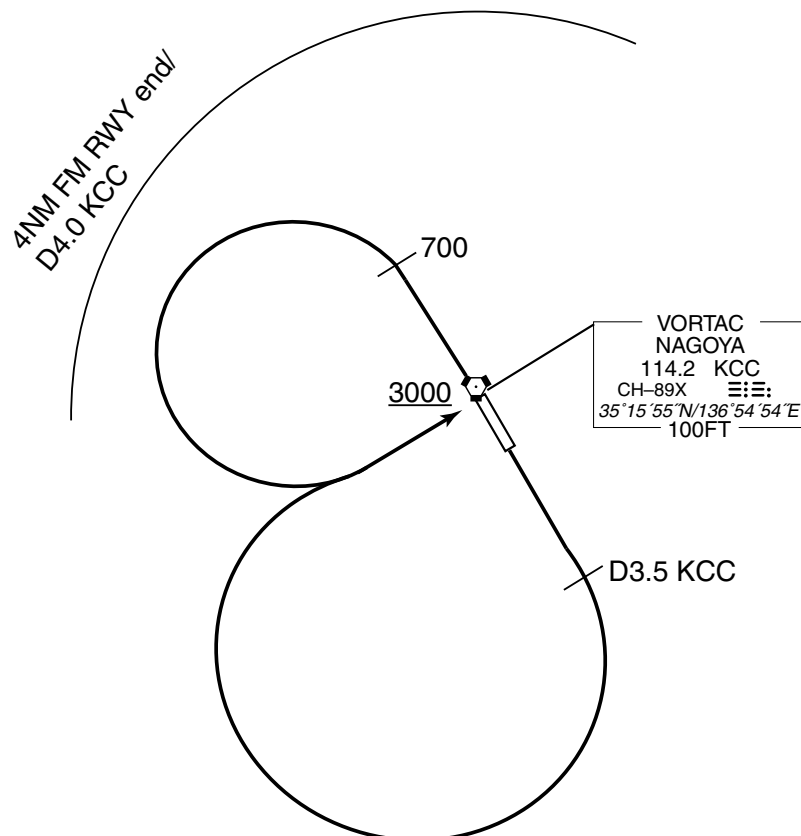
NAGOYA WEST REVERSAL ONE DEPARTURE

RWY16 : Climb RWY HDG to KCC 3.5DME, turn right, direct to KCC VORTAC.  
Cross KCC VORTAC at or above 3000FT.

RWY34 : Climb RWY HDG to 700FT, turn left within 4NM from RWY end/KCC 4.0DME,  
direct to KCC VORTAC.  
Cross KCC VORTAC at or above 3000FT.

Note RWY16 : 5.0% climb gradient required up to 700FT.  
OBST ALT 551FT located at 1.9NM 215° FM end of RWY16.  
RWY34 : 5.0% climb gradient required up to 700FT.

NAGOYA WEST REVERSAL ONE DEPARTURE



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

SID

TALMI FOUR DEPARTURE

RWY16 : Climb RWY HDG to KCC 3.5DME, turn right HDG004°...

RWY34 : Climb RWY HDG to 700FT, turn left within 4NM from RWY end/KCC  
4.0DME,...

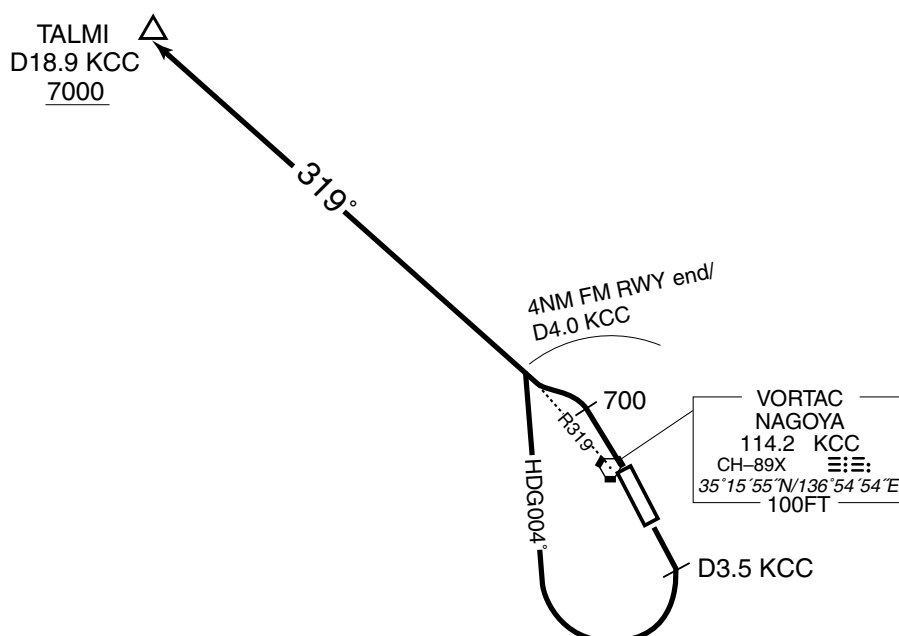
...to intercept and proceed via KCC R319 to TALMI.

Cross TALMI at or above 7000FT.

Note RWY16 : 5.0% climb gradient required up to 700FT.

OBST ALT 551FT located at 1.9NM 215° FM end of RWY16.

RWY34 : 5.0% climb gradient required up to 700FT.

TALMI FOUR DEPARTURE



## STANDARD DEPARTURE CHART -INSTRUMENT

RJNA / NAGOYA

RNAV TRANSITION

| PIONE TRANSITION / WAKIT TRANSITION / KAMMY TRANSITION                |                       |   | RNAV 1 |
|---|-----------------------|---|--------|
| Note 1 ) DME/DME/IRU or GNSS required.<br>2 ) RADAR service required. | Critical DME          | TZT : 10.0NM to PIONE - PIONE                     |        |
|   | DME GAP               | -   |        |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |        |

VAR 7°W (2014)

PIONE TRANSITION

From TALMI at or above 7000FT, to HEIAN, to WAKIT, to PIONE.

| 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              | TALMI               | —        | —              | -7.3               | —             | —              | +7000         | —            | —              | RNAV1                    |
| 002           | TF              | HEIAN               | —        | 268<br>(260.2) | -7.3               | 42.8          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | WAKIT               | —        | 253<br>(245.6) | -7.3               | 45.2          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | PIONE               | —        | 252<br>(244.4) | -7.3               | 49.8          | —              | —             | —            | —              | RNAV1                    |

WAKIT TRANSITION

From TALMI at or above 7000FT, to HEIAN, to WAKIT.

| 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              | TALMI               | —        | —              | -7.3               | —             | —              | +7000         | —            | —              | RNAV1                    |
| 002           | TF              | HEIAN               | —        | 268<br>(260.2) | -7.3               | 42.8          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | WAKIT               | —        | 253<br>(245.6) | -7.3               | 45.2          | —              | —             | —            | —              | RNAV1                    |

KAMMY TRANSITION

From TALMI at or above 7000FT, to HEIAN, to KAMMY.

| 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              | TALMI               | —        | —              | -7.3               | —             | —              | +7000         | —            | —              | RNAV1                    |
| 002           | TF              | HEIAN               | —        | 268<br>(260.2) | -7.3               | 42.8          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | KAMMY               | —        | 255<br>(248.3) | -7.3               | 56.8          | —              | —             | —            | —              | RNAV1                    |

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STANDARD ARRIVAL CHART -INSTRUMENT

RJNA / NAGOYA

STAR

EXPOH NORTH ARRIVAL

From over SWING, via KCC 18.4DME clockwise ARC to intercept and proceed via KCC R159 to EXPOH.

Cross KCC R151 at or above 3900FT, cross EXPOH at or above 2500FT.

EXPOH SOUTH ARRIVAL

From over SHIMA, via CBE R205, via CBE 24.0DME counterclockwise ARC to intercept and proceed via KCC R159 to EXPOH.

Cross KCC R159/23.0DME at or above 5000FT, cross EXPOH at or above 2500FT.



## STANDARD ARRIVAL CHART -INSTRUMENT

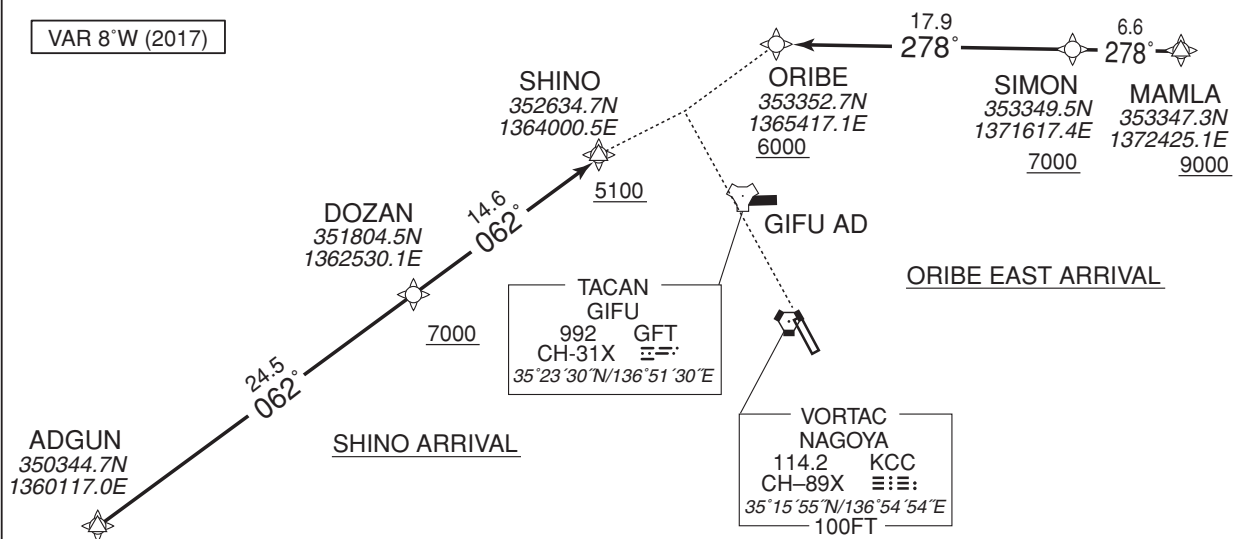
RJNA / NAGOYA

RNAV STAR

ORIBE EAST ARRIVAL  
SHINO ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.  
2) RADAR service required.

ORIBE EAST ARRIVAL

From MAMLA, at or above 9000FT, to SIMON at or above 7000FT, to ORIBE at or above 6000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | GFT : 5.0NM to SIMON - 4.0NM to ORIBE<br>YME : 4.0NM to ORIBE - ORIBE |
| DME GAP               | —   |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1                     |

| 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              | MAMLA               | —        | —             | -7.7               | —             | —              | +9000         | —            | —              | RNAV1                    |
| 002           | TF              | SIMON               | —        | 278 (270.4)   | -7.7               | 6.6           | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | ORIBE               | —        | 278 (270.3)   | -7.7               | 17.9          | —              | +6000         | —            | —              | RNAV1                    |

SHINO ARRIVAL

From ADGUN, to DOZAN at or above 7000FT, to SHINO at or above 5100FT.

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | —   |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| 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              | ADGUN               | —        | —             | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DOZAN               | —        | 062 (054.0)   | -7.7               | 24.5          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | SHINO               | —        | 062 (054.2)   | -7.7               | 14.6          | —              | +5100         | —            | —              | RNAV1                    |

CHANGE : GIFU TACAN(GFT)

## STANDARD ARRIVAL CHART -INSTRUMENT

RJNA / NAGOYA

RNAV STAR

## ORIBE SOUTH ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.  
2) RADAR service required.

VAR 8°W (2020)

ORIBE SOUTH ARRIVAL

From SHIMA, to KOHWA at or above 8000FT, to RYUDO, to GRIPP, to ORIBE at or above 6000FT.

|                        |  |
|------------------------|--|
| Critical DME           | GFT : 11.0NM to ORIBE - 6.0NM to ORIBE<br>YME : 2.0NM to ORIBE - ORIBE |
| DME GAP                | 3.0NM to ORIBE - 2.0NM to ORIBE  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                      |

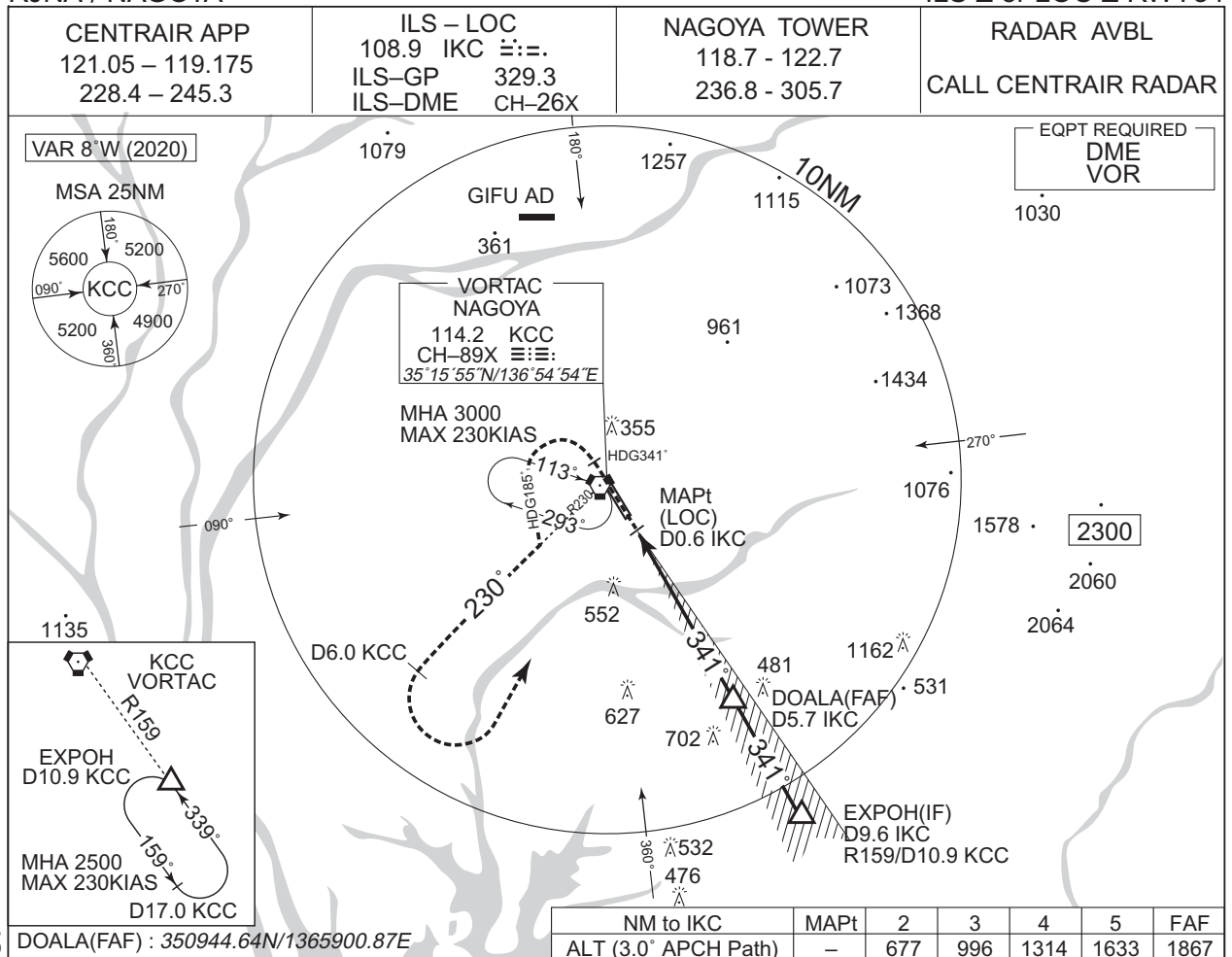
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | SHIMA               | —        | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | KOHWA               | —        | 045 (037.1)   | -7.9               | 30.2          | —              | +8000         | —            | —              | RNAV1                    |
| 003           | TF              | RYUDO               | —        | 018 (010.1)   | -7.9               | 20.5          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | GRIPP               | —        | 018 (010.2)   | -7.9               | 20.5          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | ORIBE               | —        | 327 (319.2)   | -7.9               | 15.0          | —              | +6000         | —            | —              | RNAV1                    |

CHANGE : VAR. Critical DME. DME GAP.

## INSTRUMENT APPROACH CHART

RJNA / NAGOYA

ILS Z or LOC Z RWY34



CHANGE : VAR. Course on Final. HDG after MAPt. DME to IKC.

Missed APCH climb gradient MNM 4.0%

| MINIMA |           | THR elev. 50 |           | AD elev. 46 |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/CMV      | MDA(H)    | RVR/CMV     | MDA(H)    | VIS  |
| A      | 250 (200) | 700          | 490 (444) | 1200        | 650 (604) | 1600 |
| B      |           |              |           | 1300        |           |      |
| C      |           |              |           | 1400        | 850 (804) | 2400 |
| D      |           |              |           | 1600        |           |      |

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

## INSTRUMENT APPROACH CHART

RJNA / NAGOYA

ILS Y or LOC Y RWY34



CHANGE : VAR. Course on Final. HDG after MAPt. DME to IKC.

## INSTRUMENT APPROACH CHART

RJNA / NAGOYA

VOR RWY34





## INSTRUMENT APPROACH CHART

RJNA / NAGOYA

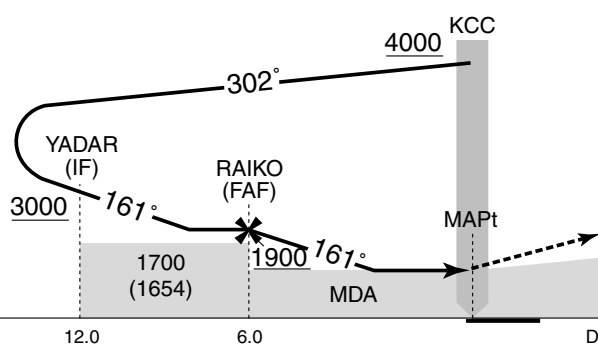
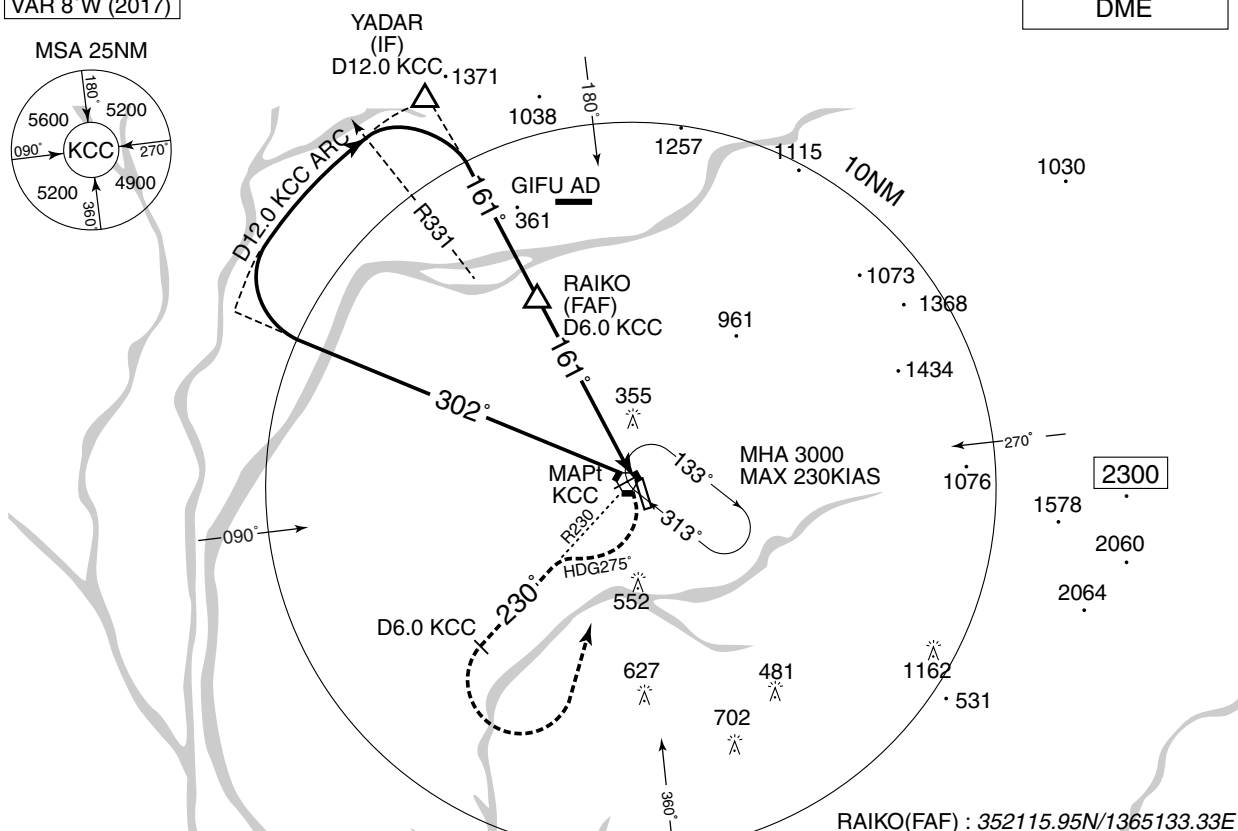
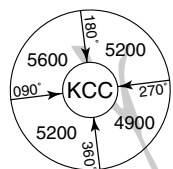
VOR A

CENTRAIR APP  
121.05 – 119.175  
228.4 – 245.3NAGOYA VORTAC  
114.2 KCC  
CH-89X  $\equiv \equiv \equiv$   
35°15'55"N/136°54'54"ENAGOYA TOWER  
118.7 - 122.7  
236.8 - 305.7RADAR AVBL  
CALL CENTRAIR RADAR

VAR 8°W (2017)

EQPT REQUIRED  
DME

MSA 25NM



## MISSED APPROACH

Turn right HDG275° to intercept and proceed via KCC R230 to KCC 6.0DME, turn left, direct to KCC VORTAC and hold at 3000FT. Contact CENTRAIR APP.

Timing not authorized for defining the MAPt.

## MINIMA

AD elev. 46

| CAT | CIRCLING  |      |
|-----|-----------|------|
|     | MDA(H)    | VIS  |
| A   | 650 (604) | 1600 |
| B   |           |      |
| C   |           | 2400 |
| D   | 690 (644) | 3200 |

Circling to EAST side of RWY only.

## INSTRUMENT APPROACH CHART

RJNA / NAGOYA

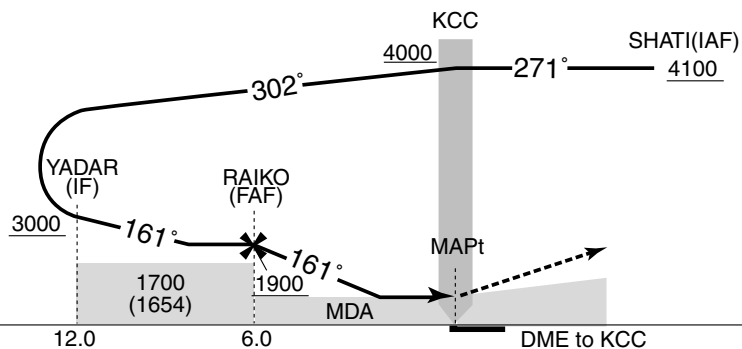
TACAN A



## MISSED APPROACH

Turn left, climb to 4100FT via KCC R131, turn left, via KCC 15.0DME counterclockwise ARC, turn left, via KCC R091 to SHATI and hold.  
Contact CENTRAIR APP.

Timing not authorized for defining the MAPt.



## MINIMA

AD elev. 46

| CAT | CIRCLING  |      |
|-----|-----------|------|
|     | MDA(H)    | VIS  |
| A   | 650 (604) | 1600 |
| B   |           | 2400 |
| C   | 690 (644) | 3200 |
| D   |           |      |

Circling to EAST side of RWY only.

## RJNA / NAGOYA

**CENTRAIR APP**  
121.05 - 119.175  
228.4 - 245.3

1.DME/DME not authorized.  
2.RADAR service required.  
3.GNSS required.

**NAGOYA TOWER**  
118.7 - 122.7  
236.8 - 305.7

**RADAR AVBL**  
**CALL CENTRAIR RADAR**

Baro-VNAV not authorized below -10°C  
 VAR 8°W (2017)

25NM to DIMAC

ORIBE (IAF) 6000

SHINO D16.2 KCC

DIMAC (IAF) 5600

MONET (IF) MAX 230KIAS

ORIBE (IAF) 6000

DIMAC 353219.05N  
1364437.80E

ORIBE 353352.67N  
1365417.12E

SHINO 352634.71N  
1364000.46E

MONET 352921.80N  
1364631.05E

AQTOH 352116.73N  
1365140.19E

RW16 351559.16N  
1365502.69E

NA651 351131.35N  
1364953.92E

KCC 351554.96N  
1365453.73E

**RNAV1**  
1MIN  
(at or below FL140)

| NM to Next Fix       | FAF  | 5    | 4    | 3    | 2   | MAPt |
|----------------------|------|------|------|------|-----|------|
| ALT (3.0° APCH Path) | 2000 | 1693 | 1375 | 1057 | 738 | -    |

**MISSED APPROACH**

Turn right direct to NA651, turn left, direct to KCC and hold at 3000FT.

Contact CENTRAIR APP.

(For using VORTAC)

Turn right HDG275° to intercept and proceed via KCC R230 to KCC 6.0DME, turn left direct to KCC VORTAC and hold at 3000FT.

Contact CENTRAIR APP.

| MINIMA |           | THR elev. 52 |           | AD elev. 46 |      |
|--------|-----------|--------------|-----------|-------------|------|
| CAT    | LNAV/VNAV | LNAV         |           | CIRCLING    |      |
|        | DA(H)     | RVR/CMV      | MDA(H)    | RVR/CMV     | VIS  |
| A      | 610 (558) | 1400         | 610 (564) | 1400        | 1600 |
| B      |           | 1500         |           | 650 (604)   |      |
| C      |           | 1600         |           | 2400        |      |
| D      |           | 1800         |           | 3200        |      |

Circling to EAST side of RWY only.

CHANGE : Correction of misdescription(DIMAC)

RJNA / NAGOYA

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 : Map updated. BRG/DIST from ARP.

| Call sign                           | BRG / DIST from ARP | Remarks                        |
|-------------------------------------|---------------------|--------------------------------|
| 高蔵寺ステーション<br>Kozoji Station         | 085°T / 5.9NM       | JR高蔵寺駅<br>Station              |
| 入鹿<br>Iruka                         | 035°T / 6.4NM       | 池<br>Pond                      |
| 一宮ステーション<br>Ichinomiya Station      | 294°T / 6.8NM       | JR尾張一宮駅<br>Station             |
| 稲沢ステーション<br>Inazawa Station         | 269°T / 5.1NM       | JR稲沢駅<br>Station               |
| 万場大橋<br>Manba Bridge                | 216°T / 7.3NM       | 庄内川と名古屋高速道路5号万場線との交点<br>Bridge |
| *名古屋インターチェンジ<br>*Nagoya Interchange | 136°T / 7.0NM       | 東名高速道路のインターチェンジ<br>Interchange |
| *瑞穂グラウンド<br>*Mizuho Ground          | 173°T / 8.0NM       | 総合陸上競技場<br>Ground              |

注 : \* は特別管制空域に係る飛行の許可及び指示を受けるため、また、その他必要に応じて当該空域に係る位置通報等に応じられる目視位置通報点である。

Note : The asterisk (\*) indicates the visual reporting point where a pilot is to request ATC clearance regarding to PCA and to make position report as required.

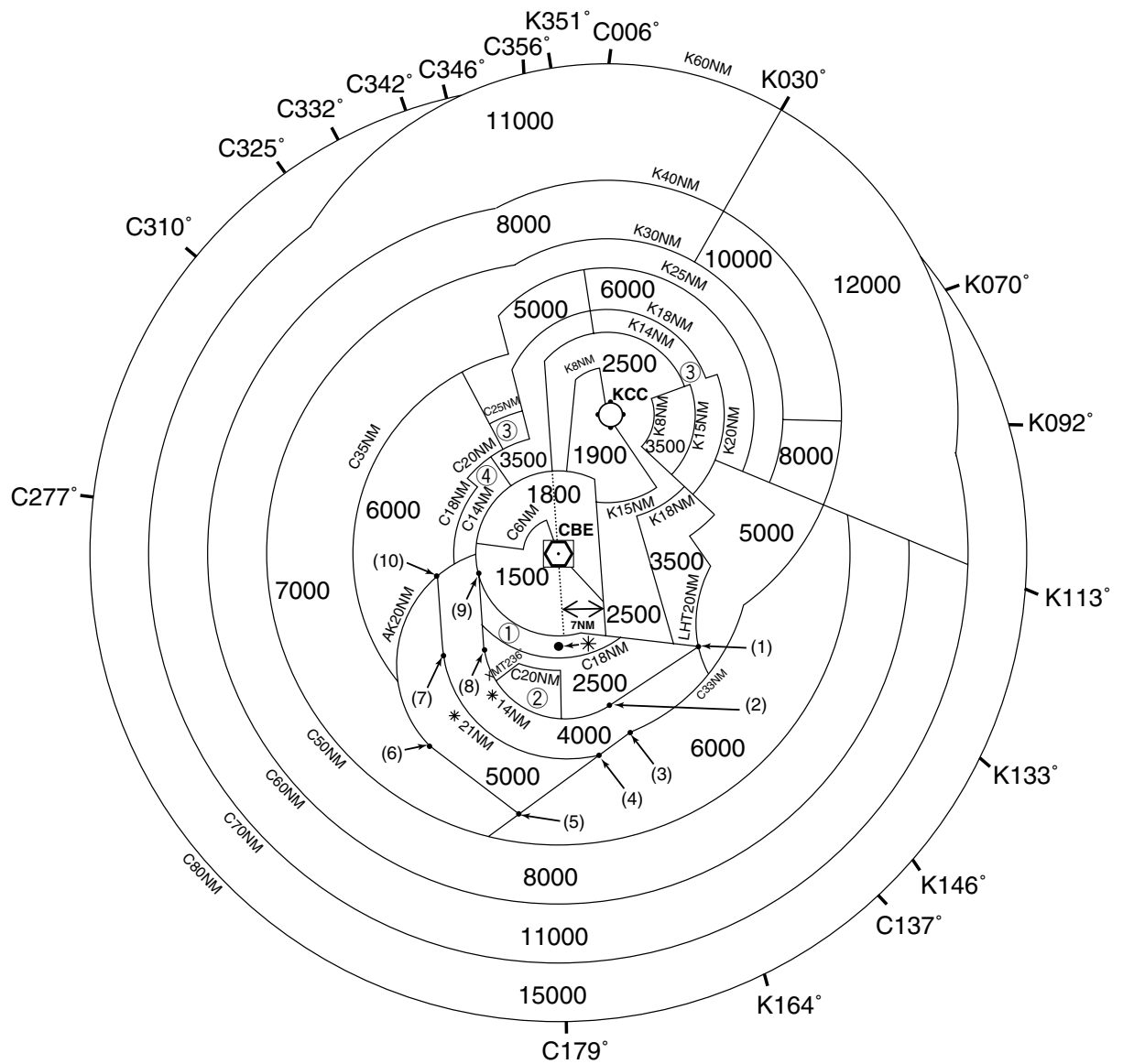




RJNA / NAGOYA

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



- |        |                      |                       |  |
|--------|----------------------|-----------------------|--|
| ① 2000 | (1) 343821N/1371935E | (6) 341414N/1362958E  | CENTER : 345129N/1364811E (C : CBE)<br>CENTER : 351555N/1365454E (K : KCC)<br>* : 343722N/1365140E |
| ② 3000 | (2) 342638N/1370237E | (7) 343322N/1362638E  |  |
| ③ 4000 | (3) 342240N/1370744E | (8) 343442N/1363458E  |  |
| ④ 5000 | (4) 341804N/1370143E | (9) 344656N/1363203E  |  |
|        | (5) 340628N/1364640E | (10) 344507N/1362348E |  |