

## AD 2 AERODROMES

## RJTL AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJTL - SHIMOFUSA

## RJTL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|   |                                                                                                    |                  |
|---|----------------------------------------------------------------------------------------------------|------------------|
| 1 | ARP coordinates and site at AD                                                                     | 354756N/1400044E |
| 2 | Direction and distance from (city)                                                                 | 5.4NM E MATSUDO  |
| 3 | Elevation/ Reference temperature                                                                   | 96FT/ -          |
| 4 | Geoid undulation at AD ELEV<br>PSN                                                                 | Nil              |
| 5 | MAG VAR/ Annual change                                                                             | Nil              |
| 6 | AD Administration, address,<br>telephone, telefax, telex, AFS,<br>e-mail and/or Web-site addresses | JSDF-M           |
| 7 | Types of traffic permitted(IFR/<br>VFR)                                                            | IFR/VFR          |
| 8 | Remarks                                                                                            | Nil              |

## RJTL AD 2.3 OPERATIONAL HOURS

|    |                           |     |
|----|---------------------------|-----|
| 1  | AD Administration         | H24 |
| 2  | Customs and immigration   | Nil |
| 3  | Health and sanitation     | Nil |
| 4  | AIS Briefing Office       | H24 |
| 5  | ATS Reporting Office(ARO) | Nil |
| 6  | MET Briefing Office       | H24 |
| 7  | ATS                       | H24 |
| 8  | Fuelling                  | Nil |
| 9  | Handling                  | Nil |
| 10 | Security                  | Nil |
| 11 | De-icing                  | Nil |
| 12 | Remarks                   | Nil |

**RJTL AD 2.4 HANDLING SERVICES AND FACILITIES**

|   |                                         |                    |
|---|-----------------------------------------|--------------------|
| 1 | Cargo-handling facilities               | Nil                |
| 2 | Fuel/ oil types                         | JET A-1 PLUS       |
| 3 | Fuelling facilities/ capacity           | To be issued later |
| 4 | De-icing facilities                     | Nil                |
| 5 | Hangar space for visiting aircraft      | Nil                |
| 6 | Repair facilities for visiting aircraft | Nil                |
| 7 | Remarks                                 | Nil                |

**RJTL AD 2.5 PASSENGER FACILITIES**

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

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

|   |                                             |     |
|---|---------------------------------------------|-----|
| 1 | AD category for fire fighting               | Nil |
| 2 | Rescue equipment                            | Nil |
| 3 | Capability for removal of disabled aircraft | Nil |
| 4 | Remarks                                     | Nil |

**RJTL AD 2.7 SEASONAL AVAILABILITY-CLEARING**

|   |                             |     |
|---|-----------------------------|-----|
| 1 | Types of clearing equipment | Nil |
| 2 | Clearance priorities        | Nil |
| 3 | Remarks                     | Nil |

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

|   |                                     |                    |
|---|-------------------------------------|--------------------|
| 1 | Apron surface and strength          | To be issued later |
| 2 | Taxiway width, surface and strength | To be issued later |
| 3 | ACL and elevation                   | Not Available      |
| 4 | VOR checkpoints                     | Nil                |
| 5 | INS checkpoints                     | Nil                |
| 6 | Remarks                             | Nil                |

**RJTL 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:(RWY01/19)<br>(LGT) RTHL, RWY DIST marker LGT, TKOF aiming LGT<br>TWY:<br>(LGT) TWY edge LGT |
| 3 | Stop bars                                                                                                     | Nil                                                                                              |
| 4 | Remarks                                                                                                       | Nil                                                                                              |

**RJTL AD 2.10 AERODROME OBSTACLES**

| RWY/Area affected | Obstacle type | Coordinates | Elevation | Markings/ LGT | Remarks |
|-------------------|---------------|-------------|-----------|---------------|---------|
| Nil               |               |             |           |               |         |

## RJTL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

|    |                                                                        |           |
|----|------------------------------------------------------------------------|-----------|
| 1  | Associated MET Office                                                  | SHIMOFUSA |
| 2  | Hours of service<br>MET Office outside hours                           | H24       |
| 3  | Office responsible for TAF 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                               | Nil       |
| 7  | Charts and other information available<br>for briefing or consultation | S, U      |
| 8  | Supplementary equipment<br>available for providing information         | Nil       |
| 9  | ATS units provided with information                                    | Nil       |
| 10 | Additional information(limitation of<br>service, etc.)                 | Nil       |

## RJTL 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                                                                     |
| 01                     | To be issued | 2250×45                 | SW43000kg                                                                            | Nil                                     | Nil                                                                   |
| 19                     | later        | 2250×45                 | (94600lbs)<br>DW56000kg<br>(123200lbs)<br>DTW<br>117000kg<br>(257400lbs)<br>Concrete | Nil                                     | Nil                                                                   |
| Slope of RWY           |              | Strip<br>Dimensions(M)  | Remarks                                                                              |                                         |                                                                       |
| 7                      |              | 10                      | 12                                                                                   |                                         |                                                                       |
| Nil                    |              | 2370×300<br>2370×300    |                                                                                      |                                         |                                                                       |

## RJTL AD 2.13 DECLARED DISTANCES

|                | TORA | TODA | ASDA | LDA |         |
|----------------|------|------|------|-----|---------|
| RWY Designator | (m)  | (m)  | (m)  | (m) | Remarks |
| 1              | 2    | 3    | 4    | 5   | 6       |
|                |      |      |      |     |         |

## RJTL AD 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator               | APCH LGT type LEN INTST | RTHL Color WBAR | PAPI (VASIS) Angle DIST FM THR MEHT | RTZL LEN | RCLL LEN Spacing Color INTST | REDL LEN Spacing Color INTST | RENL Color WBAR | STWL LEN Color |
|------------------------------|-------------------------|-----------------|-------------------------------------|----------|------------------------------|------------------------------|-----------------|----------------|
| 1                            | 2                       | 3               | 4                                   | 5        | 6                            | 7                            | 8               | 9              |
| 01                           |                         | AVBL<br>Nil     | PAPI<br>3.0°<br>273.23M<br>45.3ft   |          |                              |                              |                 |                |
| 19                           | AVBL                    | AVBL<br>Nil     | PAPI<br>3.0°<br>389.95M<br>63.3ft   |          |                              |                              |                 |                |
| Remarks                      |                         |                 |                                     |          |                              |                              |                 |                |
| 10                           |                         |                 |                                     |          |                              |                              |                 |                |
| RWY THR ID LGT for RWY01 THR |                         |                 |                                     |          |                              |                              |                 |                |

## RJTL AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

|   |                                                          |                                                |
|---|----------------------------------------------------------|------------------------------------------------|
| 1 | ABN/IBN location, characteristics and hours of operation | ABN: 354803N/1400119E, White/Green EV10sec, HO |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | LDI:LGTD                                       |
| 3 | TWY edge and center line lighting                        | TWY edge LGT:AVBL                              |
| 4 | Secondary power supply/ switch-over time                 | Nil                                            |
| 5 | Remarks                                                  | WDI LGT, OBST LGT                              |

## RJTL AD 2.16 HELICOPTER LANDING AREA

|                    |
|--------------------|
| To be issued later |
|--------------------|

## RJTL 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                |
| SHIMOFUSA CTR                  | 1)Area within a radius of 5nm of SHIMOFUSA ARP(35°48'N/140°01'E)(*1)                                                                                                        | (1)2000 or below (*1) | D                       | SHIMOFUSA TOWER             |                  |
|                                | 2)Area within a radius of 5nm of SHIMOFUSA ARP, in the north side of a north parallel line at a distance of 3nm from a line extending from 354700.91N/1401546.75E on 254°T. | (2)3500 or below      |                         |                             | exclude area(*1) |

## RJTL AD 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign           | Frequency                                                                                           | Hours of operation                                                               | Remarks                                                                           |
|---------------------|---------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1                   | 2                   | 3                                                                                                   | 4                                                                                | 5                                                                                 |
| TWR                 | Shimofusa Tower     | 325.4MHz<br>138.3MHz<br>126.2MHz<br>121.5MHz(E)<br>243.0MHz(E)                                      | H24                                                                              | APP provided by Tokyo APP.                                                        |
| GCA-ASR<br>-PAR     | Shimofusa<br>GCA    | 302.2MHz<br>291.6MHz<br>247.0MHz<br>122.0MHz<br>133.4MHz<br>122.35MHz<br>121.5MHz(E)<br>243.0MHz(E) | 2300 - 0745<br>EXC<br>FRI 0746 -<br>SUN 2259<br>AND HOL<br>Other time<br>1HR PN. | ASR, PAR RWY19<br>Glide path 3.0°<br>Maintenance period:<br>2300-0745 SAT in VMC. |
| GND                 | Shimofusa<br>Ground | 228.2MHz<br>138.3MHz                                                                                | H24                                                                              |                                                                                   |

## RJTL AD 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid | ID  | Frequency          | Hours of operation | Position of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-----|--------------------|--------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | 2   | 3                  | 4                  | 5                                            | 6                                     | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TACAN       | SHT | 980MHz<br>(CH-19X) | H24                | 354807N/<br>1400035E                         | 122FT                                 | Unusable:<br>R050-090 beyond 30NM BLW 2000FT.<br>R090-100 beyond 25NM BLW 2000FT.<br>R100-110 beyond 20NM BLW 2000FT.<br>R110-130 beyond 25NM BLW 2000FT.<br>R130-150 beyond 20NM BLW 2000FT.<br>R150-160 beyond 38NM BLW 3000FT.<br>R200-210 beyond 35NM BLW 4000FT.<br>R210-220 beyond 30NM BLW 4000FT.<br>R220-230 beyond 30NM BLW 5000FT.<br>R240-250 beyond 35NM BLW 7000FT.<br>R260-280 beyond 25NM BLW 7000FT.<br>R280-290 beyond 22NM BLW 7000FT.<br>R290-300 beyond 35NM BLW 7000FT.<br>R350-360 beyond 38NM BLW 5000FT. |
| ILS-LOC 19  | ISH | 109.1MHz           | H24                | 354712N/<br>1400045E                         |                                       | LOC:250m(820FT) away FM RWY 01<br>THR. BRG 186°(MAG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ILS-GP 19   | -   | 331.4MHz           | H24                | 354822N/<br>1400048E                         |                                       | GP:327m (1074FT) inside FM RWY 19<br>THR.120m(394FT) E of RCL.GP angle<br>3.0°<br>HGT of ILS Ref datum 17.7m(58FT)                                                                                                                                                                                                                                                                                                                                                                                                                |
| MM 19       |     | 75MHz              | H24                | 354906N/<br>1400042E                         |                                       | 0.56NM FM RWY 19 THR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**RJTL 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

**RJTL AD 2.21 NOISE ABATEMENT PROCEDURES**

Nil



## RJTL AD 2.22 FLIGHT PROCEDURES

## 1.TAKE OFF MINIMA

|                                                    | RWY | ACFT<br>CAT | REDL or<br>RCL Marking |            | NIL<br>(DAYTIME ONLY) |            |
|----------------------------------------------------|-----|-------------|------------------------|------------|-----------------------|------------|
|                                                    |     |             | CEIL-RVR               | CEIL-VIS   | CEIL-RVR              | CEIL-VIS   |
| Multi-Engine<br>ACFT with<br>TKOF ALTN AP<br>FILED | 01  | A,B,C,D     | -                      | 200 - 800M | -                     | 200 - 800M |
|                                                    | 19  |             | 200 - 800M             | 200 - 800M | -                     | 200 - 800M |
| OTHER                                              | 01  | A,B,C,D     | AVBL LDG MINIMA        |            |                       |            |
|                                                    | 19  |             |                        |            |                       |            |

Note: SIDs are designed in accordance with STANDARDS for FLIGHT PROCEDURE DESIGN.

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

PAR RWY19

ASR RWY19

| MINIMA THR elev. 91 AD elev. 96 |          |             |          |      | MINIMA THR elev. 91 AD elev. 96 |          |             |          |      |
|---------------------------------|----------|-------------|----------|------|---------------------------------|----------|-------------|----------|------|
| CAT                             |          |             | CIRCLING |      | CAT                             |          |             | CIRCLING |      |
|                                 | DA(H)    | RVR/<br>CMV | MDA(H)   | VIS  |                                 | MDA(H)   | RVR/<br>CMV | MDA(H)   | VIS  |
| A                               | 348(257) | 800         | 560(464) | 1600 | A                               | 580(484) | 1400        | 580(484) | 1600 |
| B                               |          |             | 580(484) |      | B                               |          | 1500        |          |      |
| C                               |          |             | 700(604) | 2400 | C                               |          | 1600        | 700(604) | 2400 |
| D                               |          |             |          | 3200 | D                               |          | 1800        |          | 3200 |

## 3.Lost Communication Procedures for Arrival aircraft under radar navigational guidance.

If radio communications with Shimofusa GCA are lost for 1 minute in the pattern or 5 seconds(PAR)/15 seconds(ASR) on final approach, squawk Mode A/3 Code 7600 and;

- I
  - 1) Contact Shimofusa Tower.
  - 2) If unable, proceed in accordance with visual flight rules.
  - 3) If unable, proceed to TOHNE at last assigned altitude or 3000ft whichever is higher, and execute instrument approach.
- II Procedures other than above will be issued when situation required.

## RJTL AD 2.23 ADDITIONAL INFORMATION

Nil

**RJTL AD 2.24 CHARTS RELATED TO AN AERODROME****I**

Standard Departure Chart-Instrument (UTSUNOMIYA)  
Standard Departure Chart-Instrument (WEST)  
Standard Departure Chart-Instrument (TSUGA)  
Standard Departure Chart-Instrument (KOGAR)  
Instrument Approach Chart (ILS Z or LOC Z RWY19)  
Instrument Approach Chart (ILS Y or LOC Y RWY19)  
Instrument Approach Chart (TACAN RWY19)

STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA

SID

UTSUNOMIYA ONE DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, ...

RWY19 : Climb RWY HDG to SHT 2.5DME, turn left HDG 331° to intercept and proceed...  
...via SHT R016 to GAMAR, turn left ,via JDT R161 to JDT TACAN.

Cross GAMAR at or above 5000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.

OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.

RWY19 : 5.0% climb gradient required up to 700FT.

OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.

CHANGE: New PROC.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA

SID

WEST FIVE DEPARTURE

RWY01 : Climb RWY HDG to 2000FT, turn left HDG 252° to intercept and proceed via SHT R297 to OMIYA.

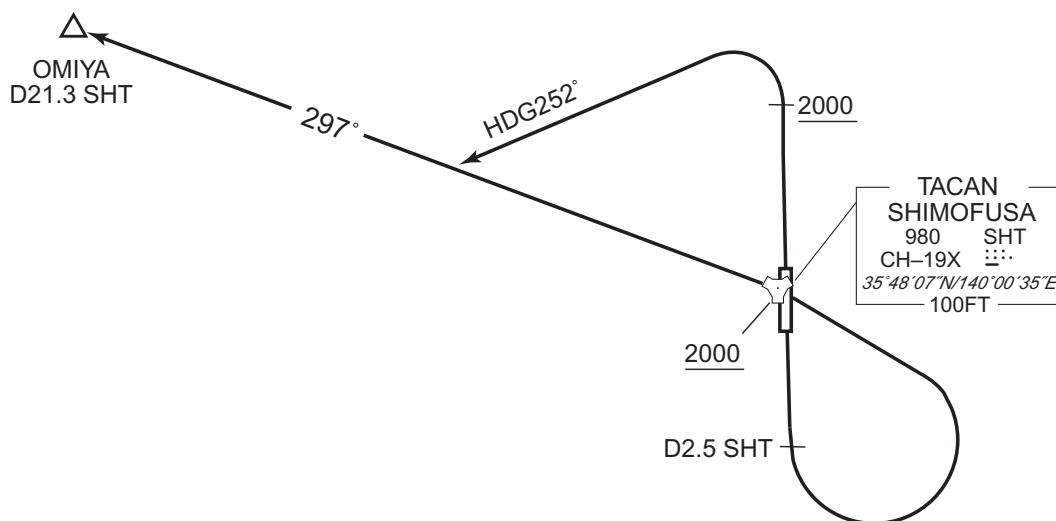
RWY19 : Climb RWY HDG to SHT 2.5DME, turn left proceed to SHT TACAN, via SHT R297 to OMIYA.

Cross SHT TACAN at or above 2000FT.

Note RWY01 : 5.0% climb gradient required up to 2000FT.

RWY19 : 5.0% climb gradient required up to 700FT.

OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.

WEST FIVE DEPARTURE

CHANGE: PROC renamed. DME FM RWY19(D2.4 SHT→D2.5 SHT). Note RWY19(OBST). SHT COORD.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA

SID

TSUGA FOUR DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, turn right HDG 200° ...

RWY19 : Climb RWY HDG to 600FT, turn left...

...to intercept and proceed via SHT R155 to TSUGA.

Cross TSUGA at or above 3000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.

OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.

RWY19 : 5.0% climb gradient required up to 600FT.

TSUGA FOUR DEPARTURE

CHANGE: PROC renamed. SHT COORD.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA

SID

KOGAR TWO DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, ...

RWY19 : Climb RWY HDG to SHT 2.5DME, turn left HDG 331° to intercept and proceed...  
...via SHT R016 to 24.6DME, turn left, via SHT 24.6DME counterclockwise ARC  
to KOGAR.

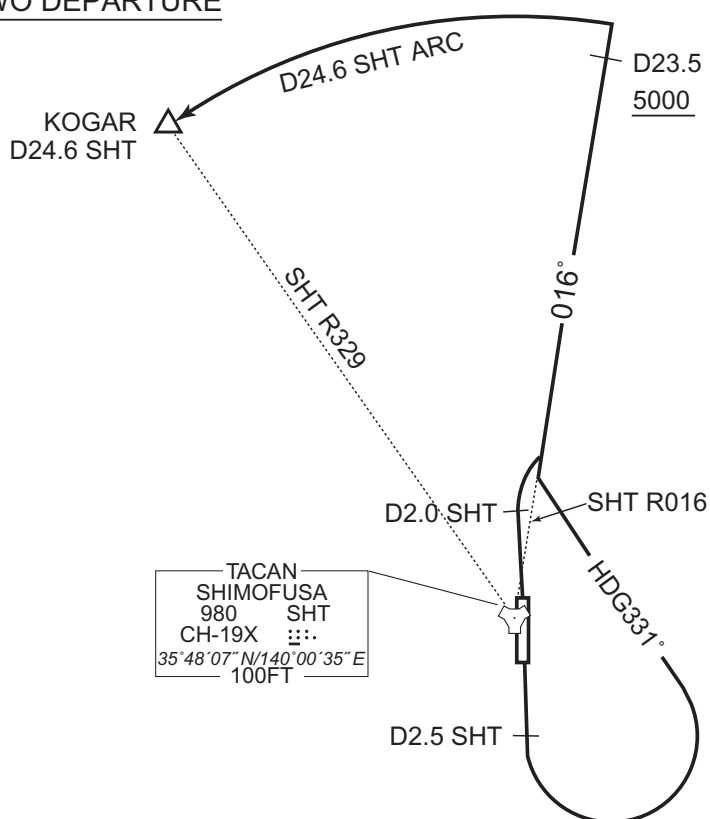
Cross SHT R016/23.5DME at or above 5000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.

OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.

RWY19 : 5.0% climb gradient required up to 700FT.

OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.

KOGAR TWO DEPARTURE

CHANGE: PROC renamed. DME FM RWY19(D2.4 SHT→D2.5 SHT). Radial FM SHT(KOGAR). Note RWY19(OBST). SHT COORD.

## INSTRUMENT APPROACH CHART



## RJTL / SHIMOFUSA

ILS Y or LOC Y RWY19

CHANGE: Course FM ASEKI to BANDO.



## INSTRUMENT APPROACH CHART



**INTENTIONALLY LEFT BLANK**