



# ARMI

(Airport and Route Manual Information)

## **GORONTALO WAMG / GTO**

*DOMESTIC*

## I. Airport Data

| Name               | ICAO | IATA | ARP                       | Magnetic Variation | Elevation   | Local time (UTC +/-) |
|--------------------|------|------|---------------------------|--------------------|-------------|----------------------|
| Jalaluddin Airport | WAMG | GTO  | N 00° 38.3'<br>E122°51.1' | Var. 1 ° E         | Elev. 60 ft | UTC + 8              |

| Runways designator | length                        | strength                           | VASIS                    | limitations |
|--------------------|-------------------------------|------------------------------------|--------------------------|-------------|
| RWY 09- 27         | 8202 x 147 ft<br>(2500 x 45M) | Asphalt Concrete<br>PCN 41 F/B/X/T | PAPI<br>RWY 09<br>RWY 27 |             |

## II. Communication & Navigation Aids facilities

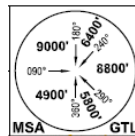
|                                |  |  |  |         |     |           |
|--------------------------------|--|--|--|---------|-----|-----------|
| <b>APP</b><br>Djalaludin Tower | 122.2 MHz                                |  |  | VOR/DME | GTL | 113.5 MHz |
| <b>TWR</b><br>Djalaludin Tower | 122.2 MHz                                |  |  | NDB     | NN  | 285 KHz   |
| <b>SSB</b><br>Gorontalo Radio  | 9055, 8918<br>6554,<br>5340,<br>5060 KHz |  |  |         |     |           |

## III. Airport location

- 15 NM North West of Gorontalo City.
- For Civil operation
- Operating hours: 23.00 -11.00 UTC.

#### IV. Minimum Safe / Sector Altitude (MSA)

The highest MSA are 6400 ft (R360-060), 8800 ft (R060-110), 5800 ft (R110-180), 4900 ft (R180-270), 9000 ft (R270-360) based on “GTL” VOR.



#### V. Climate / Weather Condition

- The wettest month tend to be January. Average temperatures from around 26°C to 30°C.

#### VI. Ground/ Taxi maneuvering

- Taxi in via taxiway “A” and “B”.

#### VII. Parking

- Parking guide by Marshaller.
- Nose out parking.

#### VIII. Ground Handling & Agents

**KOPERJAL** (Koperasi Perhubungan Jalaluddin).  
Company channel 122.2 or 131.95 Mhz.  
Telp. 0435 – 890366, 890377.

#### IX. Servicing

- PERTAMINA
- AES Facilities CAT.VII.

## **X. Medical Facilities**

- Hospitals in Town.

## **XI. Accommodation**

- Hotels in Town.

## **XII. Cust/ Imm/ Quar (CIQ)**

- Available

## **XIII. Entry Procedures - Arrival Procedures**

| <b>STANDARD ARRIVAL ROUTES ( STAR ) RWY 27</b> |  |
|--|--|
| <b>GORONTALO<br/>1A</b>                        | From TAPIR heading 002 <sup>0</sup> to OLELE at D25 GTL RDL-151 GTL proceed to IAF D18 GTL "LEATO" at 5800 ft. |

## **XIV. Departure procedures and conditions from Gorontalo**

| <b>STANDARD INSTRUMENT DEPARTURE ( SID ) RW 09</b> |  |
|--|--|
| <b>GORONTALO<br/>1D</b>                            | Climb at RWY heading intercept RDL 097 GTL at D9.0 GTL turn RIGHT heading 171 <sup>0</sup> proceed to <b>OLELE</b> |

## XV. Search and Rescue

- In general, Search and Rescue procedures are in conformity with the Standards, Recommended Practices and Procedures contain in ICAO.
- The following Emergency / distress frequencies are provided:
  - a. VHF – 121.5 MHz.
  - b. UHF – 243.0 MHz.
  - c. HF – 500 kHz, 2.182 kHz, 8.364 kHz.

## XVI. ATC Flight plans routes and distances

### ***WIII – WAAA - WAMG (CGK – UPG - GTO)***

#### ***WIII - WAAA R 01***

WIII ... GL ... HLM2G ...HLM...KASAL ...W  
45...CA...PIALA...ANY...W52...LASEM ... SIPUT...SOLOM...GUANO...OVINA  
... ECHO...00MK5...MK60C...MKS...WAAA. Distance = **808 NM**.

#### ***WAAA – WAMG R01***

WAAA ... KANI1B ... MKS ... MK30A ... KANIP ... W32 ... DIOLA ... **TAPIR** ...  
GTL ... WAMG. Distance = **424 NM**.

### ***Enroute Mora CGK – UPG***

The highest MSA at CENGKARENG are 4,500 ft to South and 2,000 ft to the North based on CL, CR, GL, GR NDB, the Highest Grid Mora On this Route is 13.500 ft from point KASAL to PIALA and The highest MSA at U. Pandang are 10.500 ft to Southwest, 3000 ft to Northwest and 7600 ft to Northeast based on MKS VOR/DME or OR NDB.

### ***Enroute Mora UPG – GTO***

The highest MSA at U. Pandang are 10.500 ft to Southwest, 3000 ft to Northwest and 7600 ft to Northeast based on MKS VOR/DME or OR NDB, the Highest Grid Mora On this Route is 13.600 ft from point MKS (MAKASSAR) VOR/DME to DIOLA and The highest MSA at Gorontalo are 4.900 ft to East ( bearing 250° to 340° clock wise ), 4.700 ft to South and Southwest (bearing 341° to 120°), 4.500 ft to North and Northeast (bearing 121° to 249°) based on WGLIN ( N 00.34.5 E 122.37.3 ).

**WAMG – WAAA - WIII (GTO – UPG - CGK)**

**WAMG – WAAA R01**

WAMG ... GTL ... **TAPIR** ... W32 ... DIOLA ... KANIP ... BRAVO ... MKS ...  
WAAA. Distance = **418 NM**.

**WAAA – WIII R01A**

WAAA...MK30J...OVIN1B...OVINA...W52...GUANO...SOLOM...SIPUT...W13  
...CUCUT...M766...MADIN...KIDET...IMU...ESALA...DKI28...DKI42...CGK9...  
CGK2...GL...WIII. Distance = **822 NM**.

**Enroute Mora GTO – UPG**

The highest MSA at Gorontalo are 4.900 ft to East ( bearing 250° to 340° clock wise ), 4.700 ft to South and Southwest (bearing 341° to 120°), 4.500 ft to North and Northeast (bearing 121° to 249°) based on WGLIN ( N 00.34.5 E 122.37.3 ). The highest Grid Mora is 13.600 ft from point DIOLA to MKS (MAKASSAR) VOR/DME, and The highest MSA at U. Pandang are 10.500 ft to Southwest, 3000 ft to Northwest and 7600 ft to Northeast based on MKS VOR/DME or OR NDB.

**Enroute Mora UPG – CGK**

The highest Grid Mora is 13.600 ft from point MADIN to IMU, and The highest MSA at CENGKARENG is 4,500 ft to South and 2,000 ft to the North based on CL, CR, GL, GR NDB.

## XVII. ALTERNATE

| Destination               | Alternate  | Loc. | Ind. | classic<br>B737 | B737 NG | TT  | NM  | Operation Hours |
|---------------------------|------------|------|------|-----------------|---------|-----|-----|-----------------|
| Gorontalo<br>WAMG/<br>GTO | Palu       | WAML | PLW  | +               | +       | 242 | 200 | 2300-1000       |
|                           | Kendari    | WAWW | KDI  | +               | -       | 185 | 283 | 2300-1200       |
|                           | Menado     | WAMM | MDC  | +               | +       | 066 | 136 | 2300-1300       |
|                           | Balikpapan | WALL | BPB  | +               | +       | 252 | 376 | 2300-1300       |
|                           | U. Pandang | WAAA | UPG  | +               | +       | 210 | 394 | H+24            |

**Note: refer to MISCELLANEOUS DOMESTIC 3.3.3 Destination Alternate List**

**+ :alternate airport adequate for indicated aircraft type**

**- : alternate airport NOT adequate for indicated aircraft type**

### **Manado / WAMM**

***Alternate Flight plan route and distance***

***GTL..., GONTA..., MWB..., WAMM = 136 NM***

### **PALU / WAML**

***Alternate Flight plan route and distance***

***GTL..., PAL..., WAML = 200 NM***

### KENDARI / WAWW

*Alternate Flight plan route and distance*

- *Opened*

### Balikpapan / WALL

*Alternate Flight plan route and distance*

*GTL..., PAL..., DORIA..., BP082..., BPN..., WALL = 376 NM*

### U. PANDANG / UPG

*Alternate Flight plan route and distance*

*GTL..., TAPIR..., DIOLA..., KANIP..., MK30A..., COPAK..., WAAA = 394 NM*



## XVIII. Remarks

- Obstructions at airfield not lighted.
- Possible light turbulence in approaching RWY 09.
- **APU must be serviceable ( not available GTC and GPU).**
- **Preferential landing RWY 27 and Take Off RWY 09.**
- **Routing Flight Plan from point TAPIR to GTL (Gorontalo) VOR.**

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