WAMG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WAMG – GORONTALO / Djalaluddin

WAMG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

ARP Coordinates and Site at AD……..	003818 N 1225108E
Direction and Distance From (city).....	32 km TO EAST
Elevation / Reference Temperature……..	124 ft / 32º C ←
MAG VAR / Annual Change…….....	1^0 12' East
AD Administration…….....	D.G.C.A
Address…….....	Djalaluddin Airport Jl.Satria / Angkasa No.274 PO. BOX 5252 – Gorontalo 96251
Telephone…….....	(0435) 890483, 890366, 890377, 890355 (TWR)
Telefax…….....	(0435) 890494
Telex…….....	NIL
AFTN…….....	WAMGZTZE
Type of Traffic Permitted…….....	IFR AND VFR
Remarks…….....	NIL

WAMG AD 2.3 OPERATIONAL HOURS

AD Administration…….....	MON – FRI : 0000 – 0800
Customs and Immigration…….....	In town / available on request
Health and Sanitation……..…….....	0000 - 0800
AIS Briefing Office…….....	2300 - 1100
ATS Reporting Office (ARO)…….....	NIL
MET Briefing Office…….....	NIL
ATS……..	2300 - 1100
Fuelling…….....	2300 - 1100
Handling……..	2300 - 1100
Security…….....	H - 24
De-Icing……..	NIL
Remarks……..	NIL

WAMG AD 2.4 HANDLING SERVICE AND FACILITIES

Cargo Handling Facilities……..	- DPPU Djalaluddin Gorontalo phone : 0435 - 890231 - KSU 'KOPERJAL' Bandara Djalaluddin phone : 0435 890494, 890483 - PT. Rahmat Surya Persada - Warehousing 300 m2 Stairs, Baggage Vehicles(s) AVTUR
Fuel/Oil/Type……..…….....	2 units Refueller Total 19 kL, 3 units Bridger
Fuelling Facilities / Capacity……	Total 12 kL, 2 units Ground tank Total 37 kL
De-Icing Facilities……..……	NIL
Hangar Space For Visiting Aircraft……..	NIL
Repair Facilities For Visiting Aircraft……	NIL
Remarks……..	NIL

WAMG AD 2.5 PASSENGER FACILITIES

Hotels……....	In Town
Restaurant……....	At AD & In Town
Transportation……....	Taxi & Rent car
Medical Facilities……....	Clinic at AD & Hospital In Town
Bank and Post Office……....	In town
Tourist Office……....	In Town
Remarks……....	NIL

WAMG AD 2.6 RESCUE AND FIRE FIGHTING

AD Category For Fire Fighting……..	Category VII ←
Rescue Equipment……..	- Rosenbauer type III 1unit (2400 L water, 550 L foam, dry chemical powder 250 kg & gas nitrogen 2 bottles) - Foam tender type II 2units (@ 4000 L water and 500L & 400L foam) - Foam tender type III 1 unit (2000L water & 200L foam - Rescue Car (dry chemical 250 kg & gas nitrogen 2 bottles) - Ambulance 1 Unit - Personel : 2 senior, 3 junior, 1 basic & 3 free lance
Capability For Removal of Disabled ACFT..	NIL
Remarks……....	NIL

WAMG AD 2.7 SEASONAL AVAILABILITY CLEARING

Type of Clearing Equipment……..	NIL
Clearance Priority……..	NIL
Remarks……..	NIL

WAMG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

APRON SURFACE AND STRENGTH

APRON	
Surface	= Asphalt Concrete
Strength	= 41 FBXT
Dimension	= 230 X 80 m

TAXIWAY WIDTH, SURFACE AND STRENGTH

TAXIWAY A	
SURFACE	= Asphalt Concrete
Strength	= 39 FBXT
Dimension	= 107.5 X 23 m
TAXIWAY B	
Surface	= Asphalt Concrete
Strength	= 39 FBXT
Dimension	= 107.5 X 23 m

ACL Location and Elevation…….....	00 28 17.00 N 122 51 07.00 E 60 ft (18 m) MSL
VOR / INS Checkpoints…….....	NIL
Remarks…….....	NIL

WAMG AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING

Use of ACFT ID Sign, TWY Guide Lines and Visual Docking / Parking Guidance System of ACFT Stands……	TWY Guidelines and Visual Parking Guidelines System Available
RWY and TWY Marking and Light.....	Marking : RWY Designation, THR, RWY Center Line, RWY EDGE MARKING, TDZ, RWY Side Strip, TWY Center Line, Taxi Holding Position, Nose Wheel Guidance Lighting : RWY light, THR light, RWY end light, TWY light
Stop Bars…….....	NIL
Remarks……	- Aircraft Not Permitted Make One Wheel Lock Turn on RWY - Turning Follow Guidance on RWY

WAMG AD 2.10 AERODROME OBSTACLES

- Obstacle Within Transitional Hill with height 6415 ft (000^0 – 089^0)
- Obstacle erected on APCH area RWY 09 as follow :
  1. Telkomsel antenne, COOR : 00 39 37N 122 45 33E, HGT 1059.71 ft, DIST 5.02NM FM THR RWY 09;
  2. Indosat antenne, COOR : 00 39 37.7N 122 45 34.6E, HGT 1076.12 ft, DIST 5.02NM FM THR RWY 09;
  3. Telkom antenne, COOR : 00 39 37.7N 122 45 35.4E, HGT 921.92 ft, DIST 5.02NM FM THR RWY 09;
  4. Exelcom antenne, COOR : 00 39 11.1N 122 46 20.7E, HGT 675.85 ft, DIST 4.16NM FM THR RWY 09;

WAMG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated MET Office…….....	Meteorological Station Djalaluddin Airport, Gorontalo
Hours of Service / MET Office Outside Hours…	0000 – 0800 / H-24
Office Responsible For TAF Preparation Period of validity.....	On request
Trend Forecasts & Interval of Issuance….....	On request
Briefing / Consultation provided….....	NIL
Flight Documentation - Language Used.....	Grid wind, SIGWX chart - English
Charts and Other Information Available For Briefing or Consultation……....	NIL
Supplementary Equipment Available For Providing Information…….....	NIL
ATS Units Provided with Information.....	QAM (MET Report For Take Off and Landing 2300 – 1100 UTC)
Additional Information (Limitation of Service etc.....	SPECI, METAR 1 hour, Phone : 0435 - 890393

WAMG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

1	2	3	4	5	6
Designations RWY NR	True & MAG BRG	Dimension of RWY	Strength (PCN) and Surface of RWY and SWY	THR Coordinates	THR Elevation and the Highest Elevation of TDZ of Precision APP RWY
09	094º	2500 x 45 m	41 FBXT (Asphalt Concrete)	-	-
27	274º			-	

7	8	9	10	11	12
Slope of RWY - NR	SWY Dimension	CWY Dimension	Strip Dimension	OFZ	Remarks
Longitudinal 0.474% Transverse 1%	60 x 30 m	-	2680 x 150 m	2310 x 150	Max. TKOF & LDG For B 737-300 Restricted MTOW 120,000 Lbs
	60 x 30 m	-			RESA 90 x 60 m (Both RWY)

WAMG AD 2.13 DECLARED DISTANCES

1	2	3	4	5
RWY Designator	TORA	TODA	ASDA	LDA
09	2500 m	2500 m	2560 m	2500 m
27	2500 m	2500 m	2560 m	2500 m

WAMG AD 2.14 APPROACH AND RUNWAY LIGHTING

1	2	3	4	5
RWY Designator	APCH LIGHT Type LEN	THR LGT Color WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN
09	NIL	Green	Vasis 2 Bars	NIL
27	PALS ←	Green	Vasis 2 Bars	NIL

6	7	8	9	10
RWY Center-line LGT Length Spacing Color	RWY edge LGT LEN Spacing Color	RWY End LGT Color WBAR	SWY LGT LEN (M) Color	Remarks
NIL	2250 m, 60 m, White	RED	NIL	NIL
NIL	2250 m, 60 m, White	RED	NIL	NIL

WAMG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN / IBN Location, Characteristic and Hours Operation.	AVBL, overhead tower
2.	LDI Location and LGT Anemometer Location and LGT	Intersection of RWY and TWY Alfa (North side of RWY), lighting AVBL Between RWY and TWY (North side of RWY)
3.	TWY Edge and Center Line LGT	TWY Edge LGT Available, TWY centerline not available
4.	Secondary Power Supply / Switch Over Time	Generator Set 250 KVA (Manual & Auto) / switch over time 5 – 7 second. Secondary generator set 2 units @ 125 KVA
5.	Remarks	NIL

WAMG AD 2.16 HELICOPTER LANDING AREA

1.	Coordinates TLOF THR FATO	NIL
2.	TLOF and / or FATO Elevation (m / ft)	NIL
3.	TLOF and FATO Area Dimensions, Surface, Strength, Marking	NIL
4.	True BRG and MAG BRG of FATO	NIL
5.	Declared Distance Available	NIL
6.	APP and FATO Lighting	NIL
7.	Remarks	NIL

WAMG AD 2.17 ATS AIRSPACE

1.	Designation and Lateral Limits	Djalaluddin ATZ : A Circle with a Radius 10 NM Centered at “GTL” VOR/DME Gorontalo CTR : A circle with radius of 30 NM centered at ‘GTL’ VOR/DME
2.	Vertical Limits	ATZ : SFC up to 4000 ft CTR : SFC up to 10,000 ft
3.	Airspace Classification	ATZ : C CTR : C
4.	ATS Unit Call Sign Language(s)	ATZ : Djalaluddin Tower CTR : Djalaluddin Tower English
5.	Transition	11,000 ft / FL130
6.	Remarks	NIL

WAMG AD 2.18 ATS COMMUNICATION FACILITIES

1	2	3	4	5
Service Designator	Call Sign	Frequency	Hours of Operation	Remarks
TWR	Djalaluddin Tower	122.2 MHz	2300 – 1100	TWR Coordinates : 00 38 22.07N 122 51 00.05E Power : 50 watts Coverage Range : 40 NM
→ APP	Djalaluddin Tower	122.2 MHz	2300 – 1100	Power : 100 Watts Coverage Range : 50 NM
SSB	Gorontalo Radio	9055 KHz 8918 KHz 6554 KHz 5340 KHz 5060 KHz	2300 – 1100	

WAMG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

1	2	3	4	5	6	7
Type of Aid and Category	ID	Frequency	Hours of Operation	Site of Transmitting Antenna Coordinates	Elevation of DME Transmitting Antenna	Remarks
NDB	NN	285 KHz	2300 - 1100	00 38 40.67 N 122 51 02.22 E	18 m MSL	Power 1000 Watt Coverage range 30 NM
VOR/DME	GTL	113.5 MHz CH82x	H - 24	00 38 40.67 N 122 50 52.96 E		

WAMG AD 2.20 LOCAL TRAFFIC REGULATIONS

2.20.1 Airport regulation

a. Max TKOF and LDG for B737 with MTOW 120.000 lbs

2.20.2 Taxiing to and from stands

Reserved

2.20.3 Parking area for small aircraft

Reserved

2.20.4 Parking area for helicopter

Reserved

2.20.5 Apron - taxiing during winter conditions

Reserved

2.20.6 Taxiing – limitations
Reserved

2.20.7 School and training flights – technical test flights – use of runways
Reserved

2.20.8 Helicopter traffic – limitation
Reserved

2.20.9 Removal of disable aircraft from runways
Reserved

WAMG AD 2.21 NOISE ABATEMENT PROCEDURES

Reserved

WAMG AD 2.22 FLIGHT PROCEDURES

1. Responsibility of ATS
Approach Control unit (APP) is responsible for provision of Air Traffic Control Service to all controlled flight within Gorontalo TMA / CTR.

2. Aerodrome Traffic Circuit Procedures
Take off and landing :
a. Runway 09 take off and landing right hand circuit or as instructed by ATC.
b. Runway 27 take off and landing left hand (normal) circuit or as instructed by ATC.

3. Altimeter Setting Procedures
3.1 This ICAO altimeter setting procedures shall be used by all aircraft operating within Djalaluddin ATZ and Gorontalo CTR, QNH provided in milli-bars, in inches available on request.
3.2 Transition Altitudes 11,000 ft, Transition Level FL130.

4. Communication Procedures
All aircraft within Djalaluddin ATZ and Gorontalo CTR shall be equipped with radio capable of conducting and maintaining two way communications.

5. VFR Flight

a. Flight Information and alerting service will only be provided to VFR Flight Operating within Gorontalo TMA and or Gorontalo CTR on request. VFR flight requesting the above service shall report intended action and comply with the position or as required by ATC.

b. No aircraft operated under VFR within TMA and or CTR and prior authorization has been obtained from Approach.

6. Arrival Procedures

Arriving aircraft shall follow the Standard Instrument Arrival or as instructed by ATC.

7. Departure Procedures

Departing aircraft shall follow the Standard Instrument Departure (SID) or as instructed by ATC.

8. Position Reporting Procedures

Aircraft operating within or about to enter TMA and or CTR shall report position :
a. Over TMA boundary
b. Over any other point or time as instructed by ATC.

9. Communication Failure Procedures

Aircraft radio communication failure procedures shall be in accordance with ICAO standard and recommended practices, or :

a. In Visual Meteorological Condition (VMC)
   1. Continue to fly in VMC;
   2. Fly full circuit over the Aerodrome, pilot shall endeavor to transmit blindly his position, intention, etc, so as to be monitored by Approach, Tower or any other traffic over Gorontalo TMA, CTR and ATZ.

b. In Instrument Meteorological Condition (IMC)

   1. Proceed according to current Flight Plan to the appropriate designated navigation and serving Approach and Djalaluddin Aerodrome and when required to ensure compliance with (2) below, hold over this aid until commencement of descent.
   2. Commence descent from the navigation aid specified in (1) or as close as possible to ETA as indicated in the filled flight plan and revised in accordance with the current flight plan.
   3. Land if possible within thirty minutes after the estimated time of arrival (ETA).

10. IAP Coding Table

CODING TABLE RNAV (GNSS) RWY 27

Sequence Number	Path Terminator	Waypoint Name	Fly Over	Course/ Track T (M)	Turn Direction	Level Constrain	Speed Constrain (Knot)	Coordinates	Distance
001	IF	PRAMU				5800		00 25'39.21"N 123 03'19.69"E	
002	TF	MG402	-	351 (350)		3200		00 34'51.37"N 123 01'52.25"E	9.3 NM
003	TF	MG403	-	300 (299)		2050		00 37'23.16"N 122 57'33.49"E	5 NM
004	TF	RWY27 (MAPt)	Y	277 (276)		500		00°36'08.68"N 122°51'36.97"E	6 NM
005	CA			277 (276)		+3000			
006	DF	PRAMU	-		L	5800		00 25'39.21"N 123 03'19.69"E	

WAMG AD 2.23 ADDITIONAL INFORMATION

Reserved

WAMG AD 2.24 CHARTS RELATED TO THE AERODROME

- WAMG AD 2.24-1, AERODROME CHART-ICAO, 06 FEB 14;
- WAMG AD 2.24-7A, STANDARD DEPARTURE CHART-INSTRUMENT (SID-ICAO RWY 09, dated 11 DEC 14;
- WAMG AD 2.24-7B, STANDARD DEPARTURE CHART-INSTRUMENT (SID-ICAO RWY 27, dated 11 DEC 14;
- WAMG AD 2.24-9, STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RWY 27, dated 11 DEC 14;
- WAMG AD 2,24-11A. IAC -ICAO VOR/DME RWY 27 CAT A/B/C/D, dated 11 DEC 14;
- WAMG AD 2.24-11B, IAC - RNAV GNSS RWY 27 CAT A/B/C/D, dated 15 SEP 16. ←