# WAHQ AD 2.1 AERODROME LOCATION INDICATOR AND NAME ${\bf WAHQ-SOLO\,/\,ADI\,\,SOEMARMO}$

WAHQ AD 2.2 AERODROME GEOGRAPHICAL	AND ADMINISTRATIVE DATA ←
ARP Coordinates and Site at AD	073049S 1104502E
Direction and Distance From (City)	5 NM NW
Elevation / Reference Temperature	418 ft / 28° C
MAG VAR / Annual Change	1 <sup>0</sup> EAST (2015)
AD Administration	PT (PERSERO) ANGKASA PURA I
Address	ADI SOEMARMO AIRPORT
	SURAKARTA 57108,
	TROMOL POS NO. 800
Telephone	(0271) 780715, 781164, 780400
	(0271) 783694 (COM & AD AIS unit)
Telefax	(0271) 780058 (Central)
	(0271) 783694 (COM & AD AIS unit)
Telex	25201 PAPSLO
E-mail	soc@angkasapura1.co.id
	ais.adisumarmo@airnavindonesia.co.id
AFTN	WAHQYFYX, WAHQYOYE
Type of Traffic Permitted	IFR and VFR
Remarks	NIL
	←
WAHQ AD 2.3 OPERATIONAL HOURS	MON THE SASS SOSS
AD Administration	MON – THU : 0100 - 0930
Overtones and Inspecience	FRI : 0100 - 0830
Customs and Immigration	2300 – 1200
Health and Sanitation	2300 – 1200
ATS Benerting Office	2300 – 1200 2300 – 1300
ATS Reporting Office MET Briefing Office	
ATS	2300 – 1200 2300 – 1200
Fuelling	
Handling	2300 – 1200 2300 – 1200
Security	H – 24
De-Icing	
Remarks	Outside Operating Hours Service On
Nemarks	Request
	request
WAHQ AD 2.4 HANDLING SERVICE AND FACI	LITIES
Cargo Handling Facilities	Push Back Or Aircraft Towing Bar Step
	Motorized Others
Fuel/Oil/Type	AVTUR
Fuelling Facilities / Capacity	
	Refueller Tank @ 12 KL, 1 unit Refueller
	Tank @ 7 KL, 4 units Receiver Tank @
	100 KL
De-Icing Facilities	
Hangar Space for Visiting Aircraft	
Repair Facilities for Visiting Aircraft	NIL
Remarks	NIL

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#### WAHQ AD 2.6 RESCUE AND FIRE FIGHTING

AD Category For Fire Fighting..... Category 8

Rescue Equipment..... - 1 unit Foam Tender Type I (Rosenbauer) ( 9000 L water & 1200 L foam liquid)

- 1 unit Foam Tender Type I (Rosenbauer) ( 9000 L water & 900 L foam liquid)
- 2 units Foam Tender Type II (Morita) ( 4000 L water & 400 L foam liquid)
- 1 unit RIV CA type II (Rosenbauer) ( 4500 L water, 550 L foam liquid & DCP 500 Kg )
- 1 unit Rescue car type IV (Morita) ( DCP 450 Kg )
- 2 units ambulances
- 1 unit command car
- Water Tank Capacity 72,800 L
- Response Time ± 2 minutes, 27 seconds
- 1 unit utility car

Capability For Removal Of Disabled Aircraft.. Available up to B767, A330, DC 10, MD11

Phone (0271) 780400 ext. 213

Remarks......NIL

#### WAHQ AD 2.7 SEASONAL AVAILABILITY CLEARING

Type Of Clearing Equipment...... Sweeper

Clearance...... Runway, Taxiway, Apron

Remarks......NIL

## WAHQ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

APRON SURFACE AND STRENGTH

SOUTH APRON

Surface = Asphalt Strength = PCN 31 F/C/X/T Dimension = 137 X 83 m

Remark = Only for VIP and Military movement

NORTH APRON

 Surface
 = Asphalt

 Strength
 = PCN 71 F/C/X/T

 Dimension
 = 420 X 135 m

MILITARY APRON

Surface = Asphalt
Strength = PCN 26 F/C/X/T
Dimension = 102.5 X 90 m
Remark = for light aircraft

#### TAXIWAY WIDTH, SURFACE, AND STRENGTH

**TAXIWAY A** 

Surface = Asphalt Strength = PCN 68 F/C/X/T Dimension = 240 X 23 m

TAXIWAY B

Surface = Asphalt Strength = PCN 68 F/C/X/T Dimension = 240 X 23 m

TAXIWAY C

Surface = Asphalt Strength = PCN 31 F/C/X/T Dimension = 100 X 23 m

ACL Location And Elevation...... NIL

Remarks......NIL

# WAHQ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING $\begin{tabular}{ll} \hline & & & \\ \hline \end{tabular}$

Use of Aircraft ID Sign, TWY Guide Lines

and Visual Docking/Parking Guidance

Aliciali Starius Avallai

Aircraft parking stand:

Parking Stand	Coordi	Capacity		
r anding Staria	Latitude Longitude			
1	073051.82S	1104453.18E	B737 200/300/400	
2	073051.83S	1104454.44E	B737 900	
3	073051.22S	1104455.73E	B737 900	
4 (with aviobridge)	073050.87S	1104457.51E	B737 900 B737 900 B737 900	
5	073050.58S	1104458.84E		
6 ( with aviobridge )	073050.26S	110 4500.15E		
7	073049.95S	1104501.43E	B737 900	
8	073049.68S	1104502.71E	B737 900	
9	073049.38S	1104503.97E	B737 200/300/400	
10	073049.20S	1104505.10E	B737 900	

#### WAHQ AD 2.10 AERODROME OBSTACLE

Aerodrome Obstacle Chart ICAO - Type A (see WAHQ AD 2.24-4 dated 03 MAR 16)

NIL

#### WAHQ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated MET Office...... Base Ops Met Office Hours of Service / MET Office Outside Hours 2300 - 1200

TREND Forecasts & Interval of Issuance. .... QAM. METAR Briefing / Consultation Provided...... On Request Flight Documentation - Language Used...... Chart - ENGLISH

Charts and Other Information Available for Briefing or Consultation.....

Supplementary Equipment Available for

Providing Information...... SPECI ATS Units Provided With Information..... **TWR** Additional Information (Limitation of Service Etc.)...... NIL

WAHQ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

WAIN AD 2.12 NORWATT THOUAL CHANACTERIOTICS								
1	2	3	4	5	6			
Designations RWY NR	True BRG	Dimension of RWY	Strength (PCN) and Surface of RWY and SWY	THR Coordinates	THR Elevation and Highest Elevation of TDZ of Precision APP RWY			
08	077.38°	2600 x 45 m	PCN 68 F/C/X/T Asphalt	073106.40S 1104447.30E (coordinate displaced THR RWY 08 100 m)	418 ft			
26	257.37°			073048.70S 1104607.00E	380 ft			

7	8	9	10	11	12
Slope of RWY - NR	SWY Dimension	CWY Dimension	Strip Dimension	OFZ	Remarks
0.003 % (RWY08)	60 x 45 m	300 x 150 m	2714 X 280 m	NIL	-TKOF PSN RWY 08 AVBL before THR marking
0.365 % (RWY 26)	NIL	54 x 150 m		NIL	-RESA RWY 08: 150X90m, GRASS. 26: NIL

# WAHQ AD 2.13 DECLARED DISTANCES

1	2	3	4	5	
RWY Designator	TORA	TODA	ASDA	LDA	
08	2600 m	2900 m	2660 m	2500 m	
26	2600 m	2654 m	2600 m	2600 m	

#### WAHQ AD 2.14 APPROACH AND RUNWAY LIGHTING

1	2	3	4	5	
RWY	APCH LIGHT	THR LGT Colour	VASIS (MEHT)	TDZ LGT LEN	
Designator	Type LEN	WBAR	PAPI		
08	NIL	Green	PAPI	NIL	
26	Available	Green	PAPI	NIL	

6 7		8	9	10
RWY Centerline	RWY Edge LGT	RWY	SWY	Remarks
LGT Length	LEN Spacing	End LGT Colour	LGT	
Spacing Colour	Colour	WBAR	LEN (m) Colour	
NIL	60 m, White	Red	NIL	NIL
NIL	60 m, White	Red	NIL	NIL

# WAHQ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN / IBN Location, Characteristic and Hours Operation.	Rotating Beacon West Of TWR
2.	LDI Location and LGT Anemometer Location and LGT	In Front of The TWR Light Available
3.	TWY Edge and Centerline LGT	TWY Edge Light Available
4.	Secondary Power Supply / Switch Over Time	Available / 9 Sec
5.	Remarks	NIL

# WAHQ 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 Bearing and Magnetic Bearing of FATO	NIL
5.	Declared Distance Available	NIL
6.	APP and FATO Lighting	NIL
7.	Remarks	NIL

# **WAHQ AD 2.17 ATS AIRSPACE**

1.	Designation and Lateral Limits	ADI SOEMARMO ATZ : A Circle with a radius of 5 NM centered at "SO" NDB
2.	Vertical Limits	SFC up to 2500 ft
3.	Airspace Classification	В
4.	ATS Unit Call Sign Language(s)	Marmo Tower English
5.	Transition	11,000 ft / FL 130
6.	Remarks	Military Training Area 5–20 NM centre of 'SO' NDB Ground Up to 6000 ft

# WAHQ AD 2.18 ATS COMMUNICATION FACILITIES

1	2	3	4	5
Service Designator	Call sign	Frequency	Hours of Operation	Remarks
TWR	MARMO TOWER			TWR Coordinate : 073110.08S 1104506.87E
APP	MARMO	122.7 MHz	2300 – 1200	APP Solo : Vertical Limit : 2500 ft to 6000 ft
/	TOWER	118.1 MHz*	2300 – 1200	APP Yogyakarta : Upper 6000 ft
	YOGYAKARTA DIRECTOR	123.4 MHz 120.2 MHz*	2300 – 1100 2300 – 1100	*Secondary

Directorate General of Civil Aviation

AMDT 48 03 MAR 16

#### WAHQ 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
VOR/DME	SLO	116.3 MHz/ CH-110X	2300 – 1200	073027.78S 1104739.86E	NIL	
NDB	so	255 kHz	H24	073043.69S 1104447.61E		
ILS/LLZ	ISLO	111.5 MHz	2300 – 1200	073108.22S 1104439.78E		
GP		332.9 MHz	2300 – 1200	073055.20S 1104555.50E		
ОМ		75 MHz	2300 – 1200	072936S 1105130E		
MM		75 MHz	2300 – 1200	073038.52S 1104651.61E		
ATIS		127.2 MHz				

#### WAHQ AD 2.20 LOCAL TRAFFIC REGULATIONS



1. Aerodrome Traffic Circuit Procedures

a. Runway 08 : Take Off and Landing right hand circuit or as

instructed by ATC.

b. Runway 26 : Take Off and Landing normal circuit or as

instructed by ATC.

2. Arrival and Departure Procedures

Arriving and departing aircrafts are required to follow the current Standard Instrument Arrival (STAR) and Standard Instrument Departure (SID).

 Freighter wide body aircraft are suggested not landing at Adi Soemarmo Airport / Solo Due to ground equipment (Ground deck Louder) not available.

# 2.20.2 Taxiing to and from stands

- 1. Taxi Procedures:
  - Departure ACFT RWY 08/26 taxi out from North apron via TWY Alpha and then proceed to RWY 08/26.

- b. Arrival ACFT from RWY 08/26 taxi in to North apron via TWY Bravo. c. Or as instructed by ATC.
- All aircraft are not allowed to make one wheel locked turn on turning areas.
- 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

#### WAHQ AD 2.21 NOISE ABATEMENT PROCEDURES

Reserved

#### **WAHQ AD 2.22 FLIGHT PROCEDURES**

1. Altimeter Setting Procedures

This ICAO altimeter-setting procedure shall be used by all aircraft operating within SOLO TMA and Adi Soemarmo ATZ, QNH provided in millibars and in inches available on request. Transition altitudes 11,000 ft and Transition level FL130.

### 2. Communication Procedures

All aircraft within Solo TMA and Adi Soemarmo ATZ shall be equipped with radio capable of conducting and maintaining two way communications with Solo Approach.

#### 3. Communication Failure Procedures

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

In Visual Meteorological Condition (VMC)

a. Continue Fly in VMC

b. Fly full circuit over the Aerodrome, pilot shall endeavor to transmit blindly his position, intention, etc. so as to be monitored by Approach or any other traffic over Solo TMA or and Adi Soemarmo ATZ.

#### In Instrument Meteorological Condition (IMC)

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

# WAHQ AD 2.23 ADDITIONAL INFORMATION

#### Reserved

#### WAHQ AD 2.24 CHARTS RELATED TO THE AERODROME

- 1. WAHQ AD 2.24-1, AERODROME CHART-ICAO, Dated 03 MAR 16;
- WAHQ AD 2.24-2, AIRCRAFT PARKING CHART, Dated 03 MAR 16;
- 3. WAHQ AD2.24-4, AERODROME OBSTACLE CHART-ICAO, Dated 03 MAR 16:
- WAHQ AD 2.24-7A, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 08, Dated 03 MAR 16;
- WAHQ AD 2.24-7B, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 26, Dated 03 MAR 16;
- WAHQ AD 2.24-9, STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO, Dated 03 MAR 16;
- 7. WAHQ AD 2.24-11A, IAC-ICAO NDB RWY 26 CAT A/B, Dated 03 MAR 16;
- 8. WAHQ AD 2.24-11B, IAC-ICAO NDB RWY 26 CAT C/D, Dated 03 MAR 16;
- WAHQ AD 2.24-11C, IAC-ICAO VOR/DME RWY 26 CAT A/B, Dated 03 MAR 16.
- 10. WAHQ AD 2.24-11D, IAC-ICAO VOR/DME RWY 26 CAT C/D, Dated 03 MAR 16:
- 11. WAHQ AD.2.24-11E, IAC-ICAO ILS RWY 26, Dated 03 MAR 16;