WAOO AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WAOO – BANJARMASIN / Syamsudin Noor

WAOO AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

ARP Coordinates and Site at AD……..	03 26 23 S 114 45 10 E
Direction and Distance From (City)……..	14.3 NM SE / 25 KM
Elevation / Reference Temperature……	66 ft / 32°C
MAG VAR / Annual Change……....	0^0 52' East (2015)
AD Administration……	PT. Angkasa Pura I (Persero)
Address……	Syamsudin Noor Airport Jl. Angkasa Landasan Ulin Banjarbaru 70724-A
Telephone……	(0511) 4705277
Telefax……	(0511) 4705251
Telex……	NIL
AFTN……	WAOOYOYE
Email……	bdj@angkasapura1.co.id
Type of Traffic Permitted……	IFR and VFR
Remarks……	NIL
ATS Administration ……	Perum LPPNPI Airnav Distrik Banjarmasin Jl. Achmad Yani Km 24.5 Banjarbaru 70724-A
Telephone……	(0511) 4705774
Telefax……	(0511) 4705774
Email……	ais.syamsudinnoor@airnavindonesia.co.id
Remarks……	NIL

WAOO AD 2.3 OPERATIONAL HOURS

AD Administration……	MON – THU : 0000 – 0830 FRI : 0000 – 0730
ATS Administration ……	MON – THU : 2330 – 0830 FRI : 2330 – 0900
Customs and Immigration……	AVBL in Town
Health and Sanitation……	2200 – 1500
AIS Briefing Office……	2200 – 1500
ATS Reporting Office……	2200 – 1500
MET Briefing Office……	2200 – 1500
ATS……	2200 – 1500
Fuelling……	2200 – 1500
Handling……	2200 – 1500
Security……	H – 24
De-Icing……	NIL
Remarks……	Electrical Service : H - 24 ←

WAOO AD 2.4 HANDLING SERVICE AND FACILITIES

Cargo Handling Facilities……	Available
Fuel/Oil/Type……	AVTUR
Fuelling Facilities / Capacity……	5 units refueling car
De-Icing Facilities……	NIL
Hangar Space for Visiting Aircraft……	Available

Repair Facilities for Visiting Aircraft……....	NIL
Remarks……	NIL

WAOO AD 2.5 PASSENGER FACILITIES

Hotels……	In Town and Near Airport
Restaurant……	Available
Transportation…….....	Airport Taxi Available
Medical Facilities……	Airport Clinic (0000 – 0900), Hospital in Town
Bank and Post Office……...	Bank in Town
Tourist Office……	Available
Remarks……	VIP Room Available by District Government

WAOO AD 2.6 RESCUE AND FIRE FIGHTING

AD Category for Fire Fighting……..	Category VII
Rescue Equipment……..	5 Foam tender (2 type I and 2 type II), 1 Rescue tender type IV, 2 Ambulance, 1 Commando Car
Capability for Removal of Disabled Aircraft….	NIL
Remarks……	18 Licensed personnels

WAOO AD 2.7 SEASONAL AVAILABILITY CLEARING

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

WAOO AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

APRON SURFACE AND STRENGTH

WEST APRON

Surface	= Asphalt
Strength	= PCN 36 F/B/X/T
Dimension	= 326 x 90 M

EAST APRON

Surface	= Concrete
Strength	= PCN 60 R/B/X/T
Dimension	= 336 x 152 M

TAXIWAY WIDTH, SURFACE, AND STRENGTH

TAXIWAY A

Surface	= Asphalt
Strength	= PCN 36 F/B/X/T
Dimension	= 224.8 x 23 M

TAXIWAY B

Surface	= Asphalt
Strength	= PCN 36 F/B/X/T
Dimension	= 96.5 x 23 M

TAXIWAY C

Surface	= Concrete
Strength	= PCN 52 R/B/X/T
Dimension	= 228.5 x 23 M

TAXIWAY D

Surface	= Concrete
Strength	= PCN 45 R/B/Y/T
Dimension	= 228.5 x 23 M

ACL Location and Elevation..... NIL
VOR / INS Checkpoints..... NIL
Remarks..... NIL

WAOO AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING

Use of Aircraft ID sign, TWY guide lines and visual docking / parking guidance system of Aircraft stands……..	West Apron: W1, W2, W3, W4, W5, W6, W7, W8 East Apron: E1, E2, E3, E4, E5, E6, E7, E8
RWY and TWY Marking and LGT……	AVBL
Stop Bars……..	AVBL
Remarks……	- ACFT do not make 180° turn on RWY with one wheel lock. - ACFT after LDG should be make 180° at the end of RWY. - ACFT must not run and test engine in front of OPS building. - Nose in parking system and push back system, West and East Apron AVBL for 8 (eight) parking stand numbering from west to east.

AIRCRAFT PARKING STAND COORDINATES (WGS'84) ON EAST APRON :

PARKING NUMBER	LATITUDE	LONGITUDE
E1.	03 26 16.37 S	114 45 26.54 E
E2.	03 26 16.61 S	114 45 27.81 E
E3.	03 26 16.84 S	114 45 29.09 E
E4.	03 26 17.08 S	114 45 30.36 E
E5.	03 26 17.31 S	114 45 31.64 E
E6.	03 26 17.55 S	114 45 32.91 E
E7.	03 26 17.80 S	114 45 34.19 E
E8.	03 26 18.00 S	114 45 35.31 E

AIRCRAFT PARKING STAND COORDINATES (WGS'84) ON WEST APRON :

PARKING NUMBER	LATITUDE	LONGITUDE
W1.	03 26 19.56 S	114 45 11.97 E
W2.	03 26 19.75 S	114 45 1307 E
W3.	03 26 19.97 S	114 45 14.23 E
W4.	03 26 20.16 S	114 45 15.51 E
W5.	03 26 20.41 S	114 45 16.74 E
W6.	03 26 20.65 S	114 45 17.95 E
W7.	03 26 20.90 S	114 45 19.19 E
W8.	03 26 21.15 S	114 45 20.44 E

WAOO AD 2.10 AERODROME OBSTACLE

RADAR antenna erected height 26 M on the right side of APCH area RWY 10 DIST 659 M FM THR RWY 10.

WAOO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated MET Office……..	AD Meteorological Station Syamsudin Noor Airport
Hours of Service / MET Office Outside Hours	H-24
Office Responsible for TAF Preparation Period of Validity……	AVBL
TREND Forecasts & Interval of Issuance…..	QAM / One Hour
Briefing / Consultation Provided……	METAR, Flight Forecast, Route Forecast, Terminal Forecast
Flight Documentation - Language Used….....	Chart PL (Plain Language)
Charts and Other Information available for Briefing or Consultation……	AVBL
Supplementary Equipment Available For Providing Information……..	V-SAT
ATS Units Provided With Information……..	Mereorological Report For TKOF and LDG
Additional Information (Limitation Of Service Etc.)……	NIL

WAOO 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 Highest Elevation of TDZ of Precision APP RWY
10	099°	2500 x 45 M	68 F/B/X/T Asphalt	03°26'25.01"S 114°45'05.66"E	54 ft
28	279°			03°26'39.72"S 114°46'25.35"E	66 ft

7	8	9	10	11	12
Slope of RWY - NR	SWY Dimension	CWY Dimension	Strip Dimension	OFZ	Remarks
0.8%	NIL	NIL	2620 x 300 M	NIL NIL	- Surface of RWY strip, grass and asphalt slope 1.66 % - RESA (surface unpaved): RWY 10: 90 x 60 M RWY 28: 90 x 90 M

WAOO AD 2.13 DECLARED DISTANCES

1	2	3	4	5
RWY Designator	TORA	TODA	ASDA	LDA
10	2500 M	2500 M	2500 M	2500 M
28	2500 M	2500 M	2500 M	2500 M

WAOO AD 2.14 APPROACH AND RUNWAY LIGHTING

1	2	3	4	5
RWY Designator	APCH LIGHT Type LEN	THR LGT Colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN
10	PALS CAT I 900 M	Green	PAPI	NIL
28	NIL	Green	PAPI	NIL

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

WAOO AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN / lBN Location, Characteristic and Hours Operation.	Available Operation in Darkness
2.	LDI Location and LGT Anemometer Location and LGT	LDI and LGT Available, Location on Shoulder
3.	TWY Edge and Centerline LGT	TWY Edge LGT Available TWY Centerline LGT Not Available
4.	Secondary Power Supply / Switch Over Time	Genset / Switch over time 8 seconds
5.	Remarks	NIL

WAOO 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

WAOO AD 2.17 ATS AIRSPACE

1.	Designation and Lateral Limits	SYAMSUDIN NOOR ATZ: A Circle With a Radius of 10 NM Centered at “BDM” VOR/DME BANJARMASIN CTR: A Circle With a Radius of 30 NM Centered at “BDM” VOR/DME
2.	Vertical Limits	SYAMSUDIN NOOR ATZ: SFC Up To 3000 ft BANJARMASIN CTR : SFC Up To 4000 ft
3.	Airspace Classification	SYAMSUDIN NOOR ATZ: C BANJARMASIN CTR : C
4.	ATS Unit Call Sign Language(s)	SYAMSUDIN NOOR ATZ: ULIN TOWER ENGLISH BANJARMASIN CTR : BANJARMSIN APPROACH ENGLISH
5.	Transition	11 000 ft / FL130
6.	Remarks	NIL

WAOO AD 2.18 ATS COMMUNICATION FACILITIES

1	2	3	4	5
Service Designator	Call sign	Frequency	Hours of Operation	Remarks
TWR	ULIN TOWER	118.4 MHz	2200 - 1500	
APP	BANJARMASIN APPROACH	126.5 MHz	2200 - 1500	
FSS	BANJARMASIN INFORMATION	3416, 5574, 6577, 8882,11309 kHz	2200 – 1500	RDARA vertical limit service from SFC to FL245, Outside FSS operating hours CTC Ujung Pandang Information FREQ. 11309, 8913 KHz
ATIS		128.05 MHz		

WAOO 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	BDM	112.1 MHz/ CH-58X	H24	03 26 12.48 S 114 43 53.35 E	-	VOR unusable areas beyond 40 NM: 050° - 140° Below 7000 ft 140° - 340° Below 4000 ft 340° - 050° Below 3500 ft DME unusable areas beyond 40 NM: 050° - 140° Below 7500 ft 140° - 340° Below 5000 ft 340° - 050° Below 4000 ft
NDB	OU	390 kHz	H24	03 26 10.49 S 114 45 13.42 E	-	
ILS/LLZ	IBDM	110.7 MHz	2200-1500	03 26 39.17 S 114 46 26.60 E		CAT. I
GP		330.2 MHz	2200-1500	03 26 30.09 S 114 45 15.07 E		
OM		75 MHz	2200-1500	03 25 42.06 S 114 41 14.08 E		
MM		75 MHz	2200-1500	03 26 17.86 S 114 44 25.99 E		

WAOO AD 2.20 LOCAL TRAFFIC REGULATIONS

2.20.1 Airport regulation
Reserved

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 condition
Reserved

2.20.6 Taxiing – limitation
Reserved

2.20.7 School and training flights – technical testflights – use of runway
Reserved

2.230.8 Helicopter traffic – limitation
Reserved

2.20.9 Removal of disable aircraft from runways
Reserved

WAOO AD 2.21 NOISE ABATEMENT PROCEDURES

Reserved

WAOO AD 2.22 FLIGHT PROCEDURES

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

2.22.2 Altimeter Setting Procedures

2.22.2.1 This ICAO altimeter setting procedure shall be used by all aircraft operating within Banjarmasin TMA and Banjarmasin CTR, QNH provided in milli-bars, in inches available on request.

2.22.2.2 Transition Altitudes 11,000 feet and Transition Level FL 130.

2.22.3 Communication Procedures
All Aircraft within Banjarmasin TMA and Banjarmasin CTR shall be equipped with radio capable of conducting and maintaining two ways communication.

2.22.4 VFR Flight

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

2.22.4.2 No aircraft shall be operated under VFR within Banjarmasin TMA and or Banjarmasin CTR and prior authorization has been obtained from Approach.

2.22.5 Arrival Procedures

Arriving aircraft shall follow the instructed by ATC.

2.22.6 Departure Procedures

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

2.22.7 Position Reporting Procedures

Aircraft operating within or about to enter Banjarmasin TMA and or Banjarmasin CTR shall report position:

a. Over Banjarmasin TMA Boundary
b. Over any point or time as instructed by ATC

2.22.8 Communication Failure Procedures

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

2.22.8.1 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 Banjarmasin TMA and or Banjarmasin CTR

2.22.8.2 In Instrument Meteorological Condition (IMC)

a. Proceed according to current Flight Plan to the appropriate designated navigation and serving Approach and when required to ensure compliance with (b) below, hold over this aid until commencement of descent
b. Commence descent from the navigation aid specified in (a) or as close as 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)

WAOO AD 2.23 ADDITIONAL INFORMATION

`Reserved

WAOO AD 2.24 CHARTS RELATED TO THE AERODROME

1. WAOO AD 2.24-1, AERODROME CHART-ICAO, Dated 08 DEC 16; ←
2. WAOO AD 2.24-4, AERODROME OBSTACLE CHART-ICAO, Dated 18 NOV 10 ;
3. WAOO AD 2.24-7A, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 10, Dated 01 NOV 01;
4. WAOO AD 2.24-7B, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 28, Dated 01 NOV 01;
5. WAOO AD 2.24-10A, IAC-ICAO NDB RWY 10, Dated 08 DEC 16; ←

6. WAOO AD 2.24-10B, IAC-ICAO VOR DME RWY 10, Dated 01 NOV 01
7. WAOO AD 2.24-10C, IAC-ICAO ILS RWY 10 CAT A/B, Dated 01 NOV 01
8. WAOO AD.2.24-10D, IAC-ICAO ILS RWY 10CAT C, Dated 01 NOV 01