WALK AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WALK – PENAJAM PASER UTARA / Nusantara

WALK AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

ARP coordinates and site at AD	010931S 1164229E
Direction and distance from (City)	352°, 17 km from Penajam Paser Utara
Elevation/Reference temperature & Mean low temperature	23 ft / 27°C
Geoid undulation at AD ELEV PSN	NIL
MAG VAR/Annual change	0°E (2020) / 0.067° Decreasing
AD Operator, address, telephone, telefax, e-mail, AFS & website	DGCA – Nusantara Airport Kecamatan Sepaku, Kabupaten Penajam Paser Utara, East Kalimantan Tel : (+62) 81332320818 Telefax : NIL E-mail : bandarudaranusantara @gmail.com AFS : NIL Website : NIL
Type of traffic permitted (IFR/VFR)	VFR
Remarks	NIL

WALK AD 2.3 OPERATIONAL HOURS

Aerodrome operator	2200 – 1000
Customs and immigration	NIL
Health and sanitation	NIL
AIS Briefing Office	NIL
ATS Reporting Office (ARO)	2200 – 1000
MET Briefing Office	2200 – 1000 ←
ATS	2200 – 1000
Fuelling	O/R
Handling	NIL
Security	H24
De-icing	Not Applicable
Remarks	- As AIS Regional Office Balikpapan - Local Time: UTC + 8 HR

WALK AD 2.4 HANDLING SERVICE AND FACILITIES

Cargo - Handling facilities	NIL
Fuel/oil types	JET A1 AVTUR
Fuelling facilities/Capacity	NIL
De-icing facilities	Not Applicable
Hangar space for visiting aircraft	NIL
Repair facilities for visiting aircraft	NIL
Remarks	NIL

WALK AD 2.5 PASSENGER FACILITIES

Hotels	In the city
Restaurants	In the city
Transportation	Rent car
Medical facilities	Hospital in the city

Bank and Post Office	In the city
Tourist Office	In the city
Remarks	NIL

WALK AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

AD category for fire fighting	Category 7
Rescue equipment	1 unit Foam Tender Type II 1 unit Foam Tender Type III 1 unit Foam Tender Type IV 1 unit Commando Car 1 unit Nurse Tender 2 units Ambulance 1 unit Utility Car
Capability for removal of disabled aircraft	NIL
Remarks	NIL

WALK AD 2.7 SEASONAL AVAILABILITY – CLEARING

Types of clearing equipment	Not Applicable
Clearance priorities	Not Applicable
Remarks	Not Applicable

WALK AD 2.8 APRON, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

APRON SURFACE AND STRENGTH

Designation	= Apron
Surface	= Concrete
Strength	= PCN 85/R/B/W/T

TAXIWAY WIDTH, SURFACE AND STRENGTH

Designation	= TWY
Width	= 30 m
Surface	= Concrete
Strength	= PCN 85/R/B/W/T

Altimeter checkpoint location and elevation .	NIL
VOR checkpoints	NIL
INS checkpoints	See AD Chart
Remarks	Dimension of Apron : 180 m x 171 m

WALK AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Aircraft Stand ID Sign : A1, A2, A3 TWY Guidelines : Aircraft stand taxilane
RWY and TWY markings and LGT	Marking RWY : Centre line, Side Stripe, THR, Designation, Aiming Point, TDZ, RWY End, Turn pad TWY : Centre line, Side Stripe, RWY Holding Position Light RWY : Edge, THR, RWY End TWY : Edge

Stop bars and Runway guard lights ..... NIL
Other runway protection measures ..... NIL
Remarks ..... NIL

WALK AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/Type, colour	Remarks
1	2	3	4	5	6
NIL	NIL	NIL	NIL	NIL	NIL

In Area 3					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/Type, colour	Remarks
1	2	3	4	5	6
NIL	NIL	NIL	NIL	NIL	NIL

WALK AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated MET Office	MET Post Nusantara
Hours of service	2200–1000
MET Office outside hours.....	NIL
Office responsible for TAF preparation	MET Station Sultan Aji Muhammad Sulaiman Sepinggan
Period of validity	12 Hours
Trend forecast	TREND
Interval of issuance	1 Hours
Briefing/Consultation provided	Personal Consultation And Telephone
Flight documentation	Charts ,Abbreviated plain language texts
Language(s) used	English
Charts and other information available for briefing or consultation	S, U, W, T, SWM
Supplementary equipment available for providing information	AWOS, Weather Radar
ATS units provided with information	Nusantara TWR
Additional information (limitation of Service etc)	Tel : (+62) 8115471145 Email : meteo.balikpapan@gmail.com

WALK AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR		True BRG	Dimensions of RWY (M)	Strength and Surface of RWY and SWY	THR coordinate RWY end coordinates THR geoid undulation
1		2	3	4	5
1	07	069.11°	2 200 x 45	PCN 41/F/C/X/T Asphalt	THR 010955.19S 1164157.32E GUND 176.9 ft
2	25	249.11°	2 200 x 45	PCN 41/F/C/X/T Asphalt	THR 010929.63S 1164303.85E GUND 175.8 ft

THR elevation and highest elevation of TDZ of precision APP RWY		Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)
6		7	8	9	10
1	THR 23 ft	Longitudinal 0% Transversal 1,5%	NIL	60 x 280	2 320 x 280
2	THR 23 ft	Longitudinal 0% Transversal 1,5%	NIL	60 x 280	2 320 x 280

RESA dimensions (M)		Location and description of arresting system	OFZ	Remarks
11		12	13	14
1	90 x 90	NIL	NIL	NIL
2	90 x 90	NIL	NIL	NIL

WALK AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
07	2 200	2 260	2 200	2 200	NIL
25	2 200	2 260	2 200	2 200	NIL

WALK AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator		APCH LGT type, LEN, INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN
1		2	3	4	5
1	07	NIL	Green	PAPI, Left / 3°	NIL
2	25	NIL	Green	PAPI, Left / 3°	NIL

RWY Centre line LGT LEN, Spacing, Colour, INTST		RWY Edge LGT LEN, Spacing, Colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN (M), Colour	Remarks
6		7	8	9	10
1	NIL	2 200 m, 60 m, White, LIH	Red	NIL	NIL
2	NIL	2 200 m, 60 m, White, LIH	Red	NIL	NIL

WALK AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

ABN/IBN location, characteristics and hours of operation	NIL
LDI location and LGT	NIL
Anemometer location and LGT	NIL
TWY edge and centre line lighting	Edge : TWY
Secondary power supply/switch-over time	Secondary power supply to all lighting at AD Switch over time : 10 seconds
Remarks	Generator set : 2 x 200 kva

WALK AD 2.16 HELICOPTER LANDING AREA

Coordinates TLOF or THR of FATO	NIL
Geoid undulation	NIL
TLOF and/or FATO elevation M/FT	NIL
TLOF and FATO area dimensions, surface, strength, marking	NIL
True BRG of FATO	NIL
Declared distance available	NIL
APP and FATO lighting	NIL
Remarks	NIL

WALK AD 2.17 ATS AIRSPACE

Designation and lateral limits	Balikpapan CTR : a circle with radius of 30 NM centred on “BPN” VOR/DME
Vertical limits	CTR : GND / Water up to 10 000 ft
Airspace classification	C
ATS unit call sign	Nusantara Tower Balikpapan Radar
Language(s)	English
Transition altitude	11 000 ft / FL130
Hours of applicability	2200 - 1000

Remarks	- Aerodrome Control Service is provided within vicinity of Nusantara Aerodrome by Nusantara Tower

WALK AD 2.18 ATS COMMUNICATION FACILITIES

Service designation		Call sign	Channel	SATVOICE number (s)
1		2	3	4
1	TWR	Nusantara Tower	118.55 MHz 119.05 MHz (SRY)	NIL
2	ATIS	NIL	126.60 MHz	NIL

Logon address		Hours of operation	Remarks
5		6	7
1	NIL	2200 – 1000	NIL
2	NIL	2200 - 1000	NIL

WALK AD 2.19 RADIO NAVIGATION AND LANDING AID

Type of aids, Magnetic variation, and Type of supported operation for ILS/MLS, Basic GNSS, SBAS, and GBAS and for VOR/ILS/MLS also station declination used for technical line-up of the aid		ID	Frequency(ies), Channel number(s), Service provider and Reference Path Identifier (RPI)	Hours of operation
1		2	3	4
1	NIL	NIL	NIL	NIL

Geographical coordinates of the Position of the transmitting antenna		Elevation of the transmitting antenna of DME of DME/P, Elevation of GBAS reference point and The ellipsoid height of the point for SBAS, The ellipsoid height of the landing threshold point (LTP) or the fictitious threshold point (FTP)	Service volume radius from the GBAS reference point	Remarks
5		6	7	8
1	NIL	NIL	NIL	NIL

WALK AD 2.20 LOCAL AERODROME REGULATIONS

1. HELICOPTER PROCEDURE

1.1. INTRODUCTION

a. Nusantara TWR provides Aerodrome control service, Flight information service and Alerting service for arriving, departing, and overflying helicopters within vicinity of aerodrome. Outside vicinity of aerodrome will be provided with Approach control service, Flight information service and Alerting service by Balikpapan APP.

b. A helicopter flight procedure is used for visual flight rules.

c. Helicopter Aiming Point on Nusantara Airport located south of the helipad stand with coordinate 010936.35S 1164225.85E.

d. Helicopter Entry and Holding Point at Nusantara Airport as follows:

Check Point	Location from ARP/BPN VOR	Altitude
AGRO 011117.00S 1164235.00E	Bearing 176°, Distance1.8 NM ARP Nusantara	1 000 feet or below
LAKER 011040.00S 116441.00E	Bearing 126°, Distance1.9 NM ARP Nusantara	1 000 feet or below
RESTIE 010745.00S 1164100.00"E	Bearing 319°, Distance 2.3 NM ARP Nusantara	1 000 feet or below
BRIDGE 010755.00S 1164323.00E	Bearing 029°, Distance 1.8 NM ARP Nusantara	1 000 feet or below
BUKIT SUBUR 010802.00S 1163257.00E	Bearing 279°, Distance 9.7 NM ARP Nusantara	1 000 feet or below
MENTAWIR 010121.19S 1164923.12E	Bearing 040°, Distance 10.7 NM ARP Nusantara	1 000 feet or below
DUSAN 005915.00S 1164448.00E	Bearing 013°, Distance 10.5 NM ARP Nusantara	1 000 feet or below
LABUKAR 011243.00S 1164839.00E	Bearing 117°, Distance 6.9 NM ARP Nusantara	1 000 feet or below
PETROSEA 011156.00S 1164919.00E	Bearing 110°, Distance 7.2 NM ARP Nusantara	1 000 feet or below
POINT ALPHA 011436.04S 1165351.60E	Radial 273°, Distance 2.5 NM BPN VOR	1 000 feet or below
POINT BRAVO 011525.26S 1165223.25E	Radial 260°, Distance 4.0 NM BPN VOR 4.0 NM	1 000 feet or below

1.2. PROCEDURE

a. General

1) A Flight Plan shall be submitted before departure in person, by web based flight plan, by phone to the Air Traffic Service Reporting Office, or by radio to the ATS unit designated to serve as the departure aerodrome.
2) The submitted Flight Plan should be filled out completely, containing the current route to be flown using the agreed-upon, established, and approved helicopter procedure.
3) Helicopters operating within Nusantara vicinity of aerodrome and Balikpapan Control Zone shall be equipped with a functioning two-way VHF Radio Communication and shall keep listening watch on the appropriate frequency.
4) Helicopter approach and take-off directions to and from the aiming point shall be parallel to the existing runways.

b. Departure Procedure

1) Start-up clearance shall be issued by Nusantara Tower on frequency 118.55 MHz to the helicopter on its parking stand for all the purpose.
2) Upon request taxi clearance will be given by Nusantara Tower to take-off position via air taxi to the aiming point or ground taxi to the runway in use
3) Take-off direction shall be suitable to the runway in use, except other directions requested by the pilot and traffic permitted.
4) Turns after take-off shall be made by the helicopter traffic circuit established for Nusantara Airport. Take-off to the north destination shall be cleared using the north helicopter traffic circuit and take-off to the south destination shall be cleared using the south helicopter traffic circuit.
5) The helicopter after take-off maintained runway heading until passing 300 feet and then allowed to turn.
6) Departure procedures from Nusantara Airport using Aiming Point Take off Direction Runway 07 as follows:
   a) Departing Helicopter to the North East area, Bendungan Sepaku. Turn left proceed to BRIDGE maintain an altitude of 1 000 feet to MENTAWIR continue to climb to the intended altitude to the destination or as instructed by ATC
   b) Departing Helicopter to the North area, PUPR. Turn left proceed to BRIDGE maintain an altitude of 1 000 feet to DUSAN continue to climb to the intended altitude to the destination or as instructed by ATC.
   c) Departing Helicopter to the West area. Turn left proceed to BRIDGE maintain an altitude 1 000 feet to BUKIT SUBUR then continued climb to intended altitude to the destination or as instructed by ATC.
   d) Departing Helicopter to RSKD. Turn right proceed to LAKER maintain an altitude of 1 000 feet to PETROSEA then to RSKD or as instructed by ATC.
   e) Departing Helicopter to SAMS Sepinggan. Turn right proceed to LAKER maintain an altitude of 1 000 feet to PETROSEA then to POINT ALPHA to destination or as instructed by ATC.
7) Departure Procedures from Nusantara Airport using Aiming Point take-off direction Runway 25 as follows:
   a) Departing Helicopter to the North East area, Bendungan Sepaku. Turn right proceed to RESTIE maintain an altitude of 1 000 feet to MENTAWIR continue climb to the intended altitude to the destination or as instructed by ATC.
   b) Departing Helicopter to the North area, PUPR. Turn right proceed to RESTIE maintain an altitude of 1 000 feet to DUSAN continue to climb to the intended altitude to the destination or as instructed by ATC.

c) Departing Helicopter to the West area. Turn right proceed to RESTIE maintain an altitude of 1 000 feet to BUKIT SUBUR then continue to climb to the intended altitude to the destination or as instructed by ATC.
d) Departing Helicopter to the RSKD. Turn left proceed to LAKER maintain an altitude of 1 000 feet to PETROSEA then to RSKD to destination or as instructed by ATC.
e) Departing Helicopter to the SAMS Sepinggan. Turn left proceed to LAKER maintain an altitude of 1 000 feet to PETROSEA then to POINT ALPHA to destination or as instructed by ATC.

c. Arrival Procedures.
1) All approaches shall be made by the helicopter traffic circuit/pattern established by Nusantara Tower.
2) Before approaching the helicopter entry point, the altitude shall be 1 000 feet or below except as requested by the pilot and traffic permitted.
3) Landing clearance will be given by Nusantara Tower to the landing position via air taxi to the Aiming Point or ground taxi to the runway in use.
4) Helicopter entry procedure Runway 07/25 as follows:
a) Arriving Helicopter from the North East Area, Bendungan Sepaku, proceed to MENTAWIR maintain 1 000 feet to BRIDGE then join the north helicopter traffic Circuit or as instructed by ATC.
b) Arriving Helicopter from the North Area, PUPR, proceed to DUSAN maintain 1 000 feet to BRIDGE then join the North Helicopter Traffic Circuit or as instructed by ATC.
c) Arriving Helicopter from the West area, proceed to BUKIT SUBUR maintain 1 000 feet to RESTIE then join the north Helicopter Traffic Circuit or as instructed by ATC.
d) Arriving Helicopter from RSKD proceed to LABUKAR maintain 1 000 feet to AGRO then join South Helicopter Traffic Circuit or as instructed by ATC.
e) Arriving Helicopter from SAMS Sepinggan after POINT BRAVO proceed to LABUKAR maintain 1 000 feet to AGRO then join South Helicopter Traffic Circuit or as instructed by ATC.
5) Prior to the Helicopter entry point, arriving helicopter pilots shall report to Nusantara Tower on frequency 118.55 MHz, landing or holding instructions and traffic information will be issued as required.
6) Arrival helicopter due to traffic density which can not be instructed to join Helicopter Traffic Circuit, may be held over Helicopter Entry and Holding Point 1 000 feet or below or as Instructed by ATC.
7) After landing, the helicopter is required to either air taxi, ground taxi, or directly into its allocated parking stand which will be issued by Nusantara Tower on frequency 118.55 MHz.

1.3. PHRASEOLOGY
a. Helicopter departs beyond Nusantara Airport within Balikpapan control zone

PILOT:
DEPARTURE FROM (location), CLIMBING TO [maintaining] 1 000 FEET, DESTINATION (location), ESTIMATE TIME OF ARRIVAL [estimate time over destination] (time), [REQUEST CLIMB/DESCEND] TO (number) [FEET].

ATC:
PROCEED TO (location), MAINTAIN 1 000 FEET [[CONTINUE] ADVISE CLIMB/ DESCEND TO (number) FEET], REPORT OVER (destination)

b. Helicopter intends to cross final approach or Take-off area or overhead of the runway being use between entry point.
   1) Point RESTIE/BRIDGE - Point LAKER (vice versa); or
   2) Point AGRO - Point RESTIE/BRIDGE (vice versa),

   PILOT:
   APPROACHING POINT (entry point), DESCENDING TO [MAINTAINING] 1 000 FEET, REQUEST CROSS FINAL RUNWAY (number)../ OVER HEAD (Aerodrome).

   If traffic permit:
   ATC:
   (call sign) CROSS FINAL APPROACH [TAKE-OFF AREA] RUNWAY (number) / OVER HEAD (Aerodrome) Via POINT (exit point), MAINTAIN 1 000 FEET, REPORT OVER (destination exit point).

   If traffic does not permit:
   ATC:
   HOLD OVER POINT (entry point) (reasons), MAINTAIN 1 000 FEET.

c. Helicopter intends to land at Nusantara Airport.
   PILOT:
   APPROACHING POINT (entry point), DESCENDING TO [MAINTAINING] FEET, REQUEST LANDING INSTRUCTION.
   ATC:
   QFE (number) (unit)], CAUTION WITH SURROUNDING OBSTRUCTION REPORT WHEN LANDED

1.4. RADIO FAILURE PROCEDURES

a. In the event of radio failure occurs, if helicopter on the ground, shall not be cleared to depart.
b. If radio failure occurs while the helicopter is in the air shall land at the most suitable Helipad, Airstrip, or Any Open Area, then send an arrival message to the appropriate ATS Unit as soon as possible through the available telecommunication facilities.
c. Switch on transponder code to 7600. 4.3 Arriving helicopter traffic at Nusantara Airport from the North, Northeast, and West areas shall follow Arrival Procedures, proceed to Helicopter Entry point RESTIE or BRIDGE for runway 07/25 at 1 000 feet or below, observe traffic at the Aerodrome Traffic Circuit then join the Helicopter Traffic Pattern and orbiting until clearance will be obtained using the appropriate light signal.
d. Arriving helicopter traffic to Nusantara Airport from SAMS Sepinggan, RSKD shall follow Arrival Procedures, proceed to Helicopter Entry point AGRO for runway 07/25 at 1 000 feet or below, observe traffic at the traffic circuit then join the helicopter traffic pattern and orbiting, until clearance will be obtained using the appropriate light signal.

1.5. EMERGENCY PROCEDURES

a. Helicopters known or believed to be in a state of emergency, including being subjected to unlawful interference, shall be given priority over other aircraft.

b. Helicopters in an emergency should switch on the transponder code to 7700 and unlawful interferences switch on transponder code to 7500.
c. Whenever there is any indication of the occurrence of unlawful interference with a Helicopter, should be handled in accordance with the procedures contained in ICAO Doc.4444-ATM/501 Procedures for Air Navigation Services Air Traffic management.

WALK AD 2.21 NOISE ABATEMENT PROCEDURES

Reserved

WALK AD 2.22 FLIGHT PROCEDURES

Reserved

WALK AD 2.23 ADDITIONAL INFORMATION

Reserved

WALK AD 2.24 CHARTS RELATED TO AN AERODROME

- WALK AD 2.24-1, AERODROME CHART – ICAO, Dated 03 OCT 24;
- WALK AD 2.24-7A1, STANDARD DEPARTURE CHART – INSTRUMENT (SID) – ICAO RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-7A2, CODING TABLE SID RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-7A3, CODING TABLE SID RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-7A4, CODING TABLE SID RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-7A5, CODING TABLE SID RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-7B1, STANDARD DEPARTURE CHART – INSTRUMENT (SID) – ICAO RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-7B2, CODING TABLE SID RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-7B3, CODING TABLE SID RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-7B4, CODING TABLE SID RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9A1, STANDARD ARRIVAL CHART – INSTRUMENT (STAR) – ICAO RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-9A2, CODING TABLE STAR RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-9A3, CODING TABLE STAR RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-9A4, CODING TABLE STAR RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-9A5, CODING TABLE STAR RNAV RWY 07, Dated 23 JAN 25;
- WALK AD 2.24-9B1, STANDARD ARRIVAL CHART – INSTRUMENT (STAR) – ICAO RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9B2, CODING TABLE STAR RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9B3, CODING TABLE STAR RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9B4, CODING TABLE STAR RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9B5, CODING TABLE STAR RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-9B6, CODING TABLE STAR RNAV RWY 25, Dated 23 JAN 25;
- WALK AD 2.24-11A1, INSTRUMENT APPROACH CHART – ICAO, RNP RWY 07 CAT A/B/C/D Dated 03 OCT 24;
- WALK AD 2.24-11A2, CODING TABLE RNP RWY 07 CAT A/B/C/D, Dated 03 OCT 24;
- WALK AD 2.24-11B1, INSTRUMENT APPROACH CHART – ICAO, RNP RWY 25 CAT A/B/C/D Dated 03 OCT 24;
- WALK AD 2.24-11B2, CODING TABLE RNP RWY 25 CAT A/B/C/D, Dated 03 OCT 24.

WALK AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Reserved