WIDD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WIDD – BATAM / Hang Nadim

WIDD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

ARP Coordinates and site at AD	010707N 1040650E
Direction and Distance From (City)	9.18 NM E
Elevation / Reference Temperature	128 ft / 30º C
MAG VAR / Annual Change	$0^0$16' East (2015)
AD Administration	D.G.C.A. & BIDA
Address	Hang Nadim Airport Jl. Hang Nadim, Batu Besar Batam 29466
Telephone	(0778) 761507, 761859 (TWR), 761673 (AIS)
Telefax	(0778) 761852, 761859 (TWR), 761673 (AIS)
Telex	NIL
Email	ais.hangnadim@airnavindonesia.co.id
AFTN	WIDDZTZW, WIDDYOYW
Type of Traffic Permitted	IFR and VFR
Remarks	NIL

WIDD AD 2.3 OPERATIONAL HOURS

AD Administration	MON – FRI : 0030 – 0930
Customs and Immigration	H – 24
Health and Sanitation	H – 24
AIS Briefing Office	H – 24
ATS Reporting Office	H – 24
MET Briefing Office	H – 24
ATS	H – 24
Fuelling	H – 24
Handling	H – 24
Security	H – 24
De-Icing	NIL
Remarks	NIL

WIDD AD 2.4 HANDLING SERVICE AND FACILITIES

Cargo Handling Facilities	4 Fork Lift FD 25 2 High Lift Commander 3 Conveyor Belt Loader F302 / 80
Fuel/Oil/Type	AVTUR
Fuelling Facilities / Capacity	5 Dispenser Cap 4200 US GAL/m^3 2 Tank Fullers @ 12 kL, 4 Tank Fullers @ 3000
De-Icing Facilities	NIL
Hangar Space For Visiting Aircraft	NIL
Repair Facilities For Visiting Aircraft	NIL
Remarks	NIL

WIDD AD 2.5 PASSENGER FACILITIES

Hotels……	In Town
Restaurant……	Available
Transportation……....	Airport Taxi
Medical Facilities……	Available
Bank and Post Office……	Available
Tourist Office……	Counter BTPB (BATAM Tourist Promotion Board)

WIDD AD 2.6 RESCUE AND FIRE FIGHTING

AD Category For Fire Fighting….....	Category 9
Rescue Equipment……..	1 unit Rapid, 3 units Foam Tender, 2 units Nurse tender, 1 Ambulance, 1 Commando Car, 54 Trained Personnel's
Capability For Removal of Disabled Aircraft..	In process
Remarks……	NIL

WIDD AD 2.7 SEASONAL AVAILABILITY CLEARING

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

WIDD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

APRON SURFACE AND STRENGTH

Apron	
Surface	= Asphalt and concrete
Strength	= 85 F/C/X/T (690.5 x 76.8) m – 75 R/C/X/T (690.5 x 61.5) m – 85 F/C/X/T (255 x 59) m – 85 F/C/X/T

TAXIWAY WIDTH, SURFACE, AND STRENGTH

Parallel TWY	
Dimension	= 2800 x 23 m
TWY A & C	
Dimension	= 2 (148.5 x 23) m
Rapid TWY B & D	
Dimension	= 2 (297 x 23) m
Surface	= Asphalt

ACL Location and Elevation……	NIL
VOR / INS Checkpoints…….....	VOR : at 1000 m from THR RWY 22
Remarks……	NIL

WIDD 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……....	- THR Marking, TWY Guide Lines , Aircraft Stands Lines, - Parking Guidance Lines, - ADGS (Aircraft Docking Guidance System) Operates for parking stand AE2, AE3, AE4, AE5. - Aviobridge NR 5 operation for parking stand AE6
Parking Stand Coordinate …….	AR 1 010712.00N 1040653.50E AR 2 010712.90N 1040654.30E AR 3 010713.70N 1040655.10E AD 1 010715.60N 1040651.60E AD 2 010716.60N 1040652.40E AD 3 010719.60N 1040655.80E AD 4 010721.20N 1040657.20E AD 5 010723.20N 1040657.70E AD 6 010724.40N 1040700.00E AD 7 010727.00N 1040702.03E AD 8 010728.80N 1040703.39E AD 9 010730.01N 1040705.10E AE 1 010718.60N 1040655.00E AE 2 010719.56N 1040655.21E AE 3 010721.09N 1040657.21E AE 4 010723.64N 1040657.58E AE 5 010724.10N 1040700.48E AE 6 010727.70N 1040703.00E AE 7 010729.10N 1040703.10E
RWY and TWY Marking and LGT…….	- Markings : RWY Designation, RWY Edge, Holding, RWY Centerline, Fix Distance, Nose Wheel Guidance, TWY Edge, TWY Shoulder, Wine Cone. - LGT : RWY, TWY, Threshold, Apron Flood, Obstruction, Signaling Gun. - New Datum of Touchdown Zone Marking at RWY 04/22 as Follow : Touchdown I : - 150 m from beginning RWY 04 / 22, - amount 6, - dimension : 3 X 22.5 m Touchdown II : - 300 m from beginning RWY 04 / 22, - amount 6, - dimension : 3 X 22.5 m

	Aiming Point Marking : - 400 m from beginning RWY 04 / 22, - amount 2, - dimension : 9 X 45 m Touchdown III : - 600 m from beginning RWY 04 / 22, - amount 4, - dimension : 3 X 22.5 m Touchdown IV : - 750 m from beginning RWY 04 / 22, - amount 2, - dimension : 3 X 22.5 Touchdown V : - 900 m from beginning RWY 04 / 22, - amount 2, - dimension : 3 X 22.5 m
Stop Bars……	Available
Remarks……	NIL

WIDD AD 2.10 AERODROME OBSTACLE

Reserved

WIDD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Associated Met Office……..	HANG NADIM Meteorological and Geophysical Office (BMG)
Hours of Service / Met Office Outside Hours.	H – 24
Office Responsible For TAF Preparation	
Period of Validity……..	Halim, Medan, Singapore 6 to 12 Hours, and 12 to 24 Hours
Trend Forecasts & Interval Of Issuance…….	Meteorology For Landing and Take Off (Trend Type Landing Forecast, 30 Minutes)
Briefing / Consultation Provided……	Depend on Request
Flight Documentation - Language Used…….	Tabular Flight Forecast, NAPH Analysis Chart, Upper Wind Chart, Satellite Chart - English
Charts and Other Information Available For Briefing or Consultation……	NAPH Analysis, Upper Wind Chart, Photo Satellite Chart, Radar Chart
Supplementary Equipment Available For Providing Information……..	Radar, Satellite Receiver AWOS
ATS Units Provided with Information…….	TWR
Additional Information (Limitation of Service Etc.)……	Meteorological Instrument, Radio (SSB), Telex, Telefax

WIDD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

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
04	041.93º	4025 x 45 m	Asphalt 85 F/C/X/T	010628.58N 104 06 25.04E	128 ft
22	221.93º			010804.71N 1040751.39E	69 ft

7	8	9	10	11	12
Slope of RWY - NR	SWY Dimension	CWY Dimension	Strip Dimension	OFZ	Remarks
0.02%	60 x 45 m	240 x 300 m	4265 x 300 m	NIL	RESA 120 x 300 m
0.06%	60 x 45 m	210 x 300 m		NIL	RESA 90 x 300 m

WIDD AD 2.13 DECLARED DISTANCES

1	2	3	4	5
RWY Designator	TORA	TODA	ASDA	LDA
04	4025 m	4265 m	4085 m	4025 m
22	4025 m	4235 m	4085 m	4025 m

WIDD 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
04	PALS 900 m	Green	PAPI	NIL
22	MALS 420 m	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 NIL	60 m, White	Red	NIL	NIL

WIDD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN / IBN Location, Characteristic and Hours Operation.	Control Tower Building, Hours Operation H-24 ←
2.	LDI Location and LGT Anemometer Location and LGT	Available
3.	TWY Edge and Centerline LGT	Available and NIL
4.	Secondary Power Supply / Switch Over Time	Available 3 x 450 KVa, 2 x 770 KVa, Automatic 15 Seconds
5.	Remarks	NIL

WIDD AD 2.16 HELICOPTER LANDING AREA

1.	Coordinates TLOF THR FATO	Coordinate Touch down approach : 010708.70N 1040653.10E
2.	TLOF and / or FATO Elevation (M / ft)	25 m
3.	TLOF and FATO Area Dimensions, Surface, Strength, Marking	Surface : Asphalt ← Strength. PCN 85 F/C/X/T Marking : White + Yellow
4.	True Bearing and Magnetic Bearing of FATO	$042^0/222^0$
5.	Declared Distance Available	NIL
6.	APP and FATO Lighting	NIL
7.	Remarks	H.1 : 010710.70N 1040651.70E H.2 : 020709.80N 1040651.10E

WIDD AD 2.17 ATS AIRSPACE

1.	Designation and Lateral Limits	BATAM ATZ : (010018N 1035530E 005315N 1040335E 011305N 1042029E 012000N 1041224E)
2.	Vertical Limits	SFC to 1500 ft MSL
3.	Airspace Classification	C
4.	ATS Unit Call Sign Language(s)	HANG NADIM TOWER ENGLISH
5.	Transition	11,000 ft / FL 130
6.	Remarks	NIL

WIDD AD 2.18 ATS COMMUNICATION FACILITIES

1	2	3	4	5
Service Designator	Call sign	Frequency	Hours of Operation	Remarks
TWR	HANG NADIM TOWER	118.7 MHz 118.3 MHz *	H-24	* Secondary Freq Coordinate TWR : 010712.94N 1040650.09E
SMC	HANG NADIM GROUND	121.95 MHz	H-24	Clearance for Combine Clearance Delivery Enquiry is 20 Minutes Before Start Engine

WIDD 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	BTM	116.0 MHz/ CH-107X	H-24	010812.77N 1040757.32E		NIL
NDB	BM	370 kHz	H-24	010716.54N 1040638.07E		
ILS/LLZ	IBTM	110.10 MHz	H-24	010811.96N 1040757.80E		
GP		334.4 MHz	H-24	010632.19N 1040637.64E		
T – DME		CH 38 X	H-24	010632.66N 1040635.58E		
MM		75 MHz	H-24	010601.82N 1040602.86E		
ATIS		126.25 MHz	H-24			

WIDD AD 2.20 LOCAL TRAFFIC REGULATIONS

2.20.1 Airport regulation

- International is a determination / definition which came out by International Civil Aviation Organization (ICAO) as it were annexes and document.

- National is a determination / definition which came out by Ministry of Transportation and Directorate General of Air Transportation of Riau Island Province district office.

2.20.2 Taxiing to and from stands

- Gate 1 (duck neck)
  Used for ACFT enter the apron in which will park on stand AD9, AD8, AD7, AD6, AD5, AE7, AE6, AE5, AE4
- Gate 2 (Straight ahead from TWY C)
  a. Landing RWY 04
    - For parking stand AR1, AR2, AR3, AD1, AD2, AD3, AD4, AE1, AE2, AE3, exit TWY B continue straight ahead parallel TWY to Gate 2;
    - For parking stand AD5, AD6, AD7, AD8, AD9, AE4, AE5, AE6, AE7, exit TWY B turn right via Gate 1 (Duck Neck).

  b. Landing RWY 22
    - For parking stand AR1, AR2, AR3, AD1, AD2, AD3, AD4, AE1, AE2, AE3, exit TWY C / D and Gate 2;
    - For parking stand AD5, AD6, AD7, AD8, AD9, AE4, AE5, AE6, AE7, exit TWY C / D continue straight ahead parallel TWY turn left via Gate 1 (Duck Neck).

  c. Taking off RWY 04
    - From parking stand AR1, AR2, AR3, remove to holding position C / D;
    - From parking stand AD1, AD2, AD3, AD4, AD5, AD6, AD7, AE1, AE2, AE3, AE4, AE5, push back facing to the south taxiing via apron taxiway, Gate 2, parallel taxiway / holding position C / D;
    - From parking stand AD8, AD9, AE6, AE7, push back facing to the south taxiing via Gate 1 (Duck Neck) turn right to parallel taxiway to holding position C / D.

  d. Taking off RWY 22
    - From parking stand AR1, AR2, AR3, remove to holding position taxiway A / B via Gate 2 and parallel taxiway;
    - From parking stand AD1, AD2, AD3, AE1, AE2, via Gate 2 / 1 to holding position TWY A or TWY B on request;
    - From parking stand AD4, AE3, push back facing to the north and taxiing via apron taxiway, gate 1 to holding position TWY A or TWY B on request.

2.20.3 Parking area for small aircraft

Small ACFT parking on stand AR1, AR2, AR3

2.20.4 Parking area for helicopter

Any two helipads in front of TWR

2.20.5 Apron - taxiing during winter conditions

NIL

2.20.6 Taxiing – limitations

Reserved

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

Within Hang Nadim ATZ and Tanjung Pinang TMA

a. Inbound Area Training Procedure
   - Inbound from Singapore APP maintaining 3000ft proceed to TPG VOR/DME;
   - Report to the Hang Nadim TWR prior the ACFT entering Tanjung Pinang North Control Zone;
   - Report to the Tanjung Pinang APP as soon as possible when reaching intended Area Training;
   - Follow the Flight Plan Training at the Area Training.

b. Outbound Area Training Procedure
   - Clearance must be obtain from Hang Nadim TWR subject traffic condition (continue training to Hang Nadim ATZ) before leaving area training;
   - Leaving Area training maintain 3000ft proceed to TPG VOR/DME than proceed to Hang Nadim ATZ to join circuit pattern or as instructed by ATC;
   - Report to the Hang Nadim TWR to determine the type of circuit training, Touch and Go or Landing.

c. Circuit Training / Touch and Go Landing
   - The circuit altitude depend on the type of ACFT;
   - Upper Limit Hang Nadim circuit pattern as Tanjung Pinang North Control Zone is 3000ft;
   - RWY 22 Left Hand (normal) circuit;
   - RWY 04 Right Hand circuit;
   - Clearance Touch and Go Landing subject to the traffic conditions;
   - Full stop landing or leaving Hang Nadim ATZ to Singapore (depart to Singapore) must be reported before landing at Hang Nadim or before leaving Hang Nadim ATZ;

d. Force Landing Exercise
   - Force landing exercise can be done only if the traffic condition permitted.

e. Flight Planning
   - For the local training purpose filling the flight plan and flight approval from airport authority is necessary;
   - At least 3 hours before ETD the ACFT call sign, ACFT type, type of training, endurance, crew member and supervisor flight instructor;
   - Due to traffic condition the ATC can determine the area for training.

f. Communication Failure Procedure
   - Landing can be made at Raja Haji Fisabilillah Airport
     Leaving training area maintain 3000ft proceed overhead TPG VOR/DME to join the up wind leg, descend to 2000ft on cross wind leg to join the down wind of RWY in use.
   - Landing can be made at Hang Nadim Airport;
     Leaving training area or TPG VOR/DME maintain 3000ft proceed overhead BTM VOR/DME to join the up wind leg, descend to 2000ft on cross wind leg to join the down wind of RWY in use.

g. Training Area
   - Touch and Go Landing at Hang Nadim ATZ
     - Lateral Limit : 010030N 1035550E-005325N 1040358E
       011308N 1042048E-012000N 1041240E
       010030N 1035550E

- Vertical limit : Upper limit 1,500ft, or higher suitable for performance ACFT
  Lower limit : surface

2.20.8 Helicopter traffic – limitation

Reserved

2.20.9 Removal of disable aircraft from runways

a. For minor incidents, the Airport General Manager is responsible for controlling and coordinating the response for recovery of disabled ACFT. This may require liaison with the airline or ACFT operator and the Air Safety Investigation team and/or Police (if involved) to obtain a clearance to remove the ACFT.
b. Due to the remote location of the Airport, ATC may direct the removal of an ACFT – irrespective of investigation requirement – if it is considered vital to do in the interests of an air safety.
c. RFFS may be required to remain on standby to assist with operations as required, especially when re-fuelling is required.
d. The following criteria are to be used for determining the availability of runways effected by a disabled ACFT :
   - If the ACFT is within 105m of the RWY centerline for RWY 04/22, or inside the RWY strip, revised declared distance must be provided.
   - If the ACFT is inside the fly over areas for RWY 04/22 (located between 105-150 m from centerline), unrestricted operations may continue in VMC. In IMC DGCA may impose operational restrictions (i.e. raising the landing minima). In either case, a NOTAM must be issued advising of the location of the ACFT, along with any operational restrictions.
   - If the THR requires displacement it will be marked in accordance with DGCA standards and revised declare distances calculated.
   - For the complete procedures see Aerodrome manual Hang Nadim section 4.14.

WIDD AD 2.21 NOISE ABATEMENT PROCEDURES

- The responsibility for control of the noise from ACFT will be determined by national legislation;
- Except for reason for safety, no controller shall issue a clearance or approve a request from an ACFT which would result in a deviation from established noise abatement procedures;
- In general, even where such procedures are not established, Hang Nadim controllers should always be conscious of the need to avoid, to the greatest practicable extent, clearing or directing ACFT of a type which generate of significant noise over populated areas, particulary at night.

WIDD AD 2.22 FLIGHT PROCEDURES

- RWY 04 : Right hand circuit pattern;
- RWY 22 : Normal (left) hand circuit pattern at Hang Nadim airport, for RWY 22 is applying consecutive APCH, for RWY 04 is applying non consecutive APCH.

WIDD AD 2.23 ADDITIONAL INFORMATION

- Pilot should request clearance 10 minutes before start;
- Distance From Intersection :
  - Distance TWY A to RWY 04 : 3,600 m;
  - Distance TWY B to RWY 04 : 2,510 m;
  - Distance TWY C to RWY 22 : 2,230 m;
  - Distance TWY C to RWY 04 : 1,800 m;
  - Distance TWY D to RWY 22 : 2,800 m;

WIDD AD 2.24 CHARTS RELATED TO THE AERODROME

WIDD AD 2.24-1A, AERODROME CHART-ICAO, Dated 03 MAR 16; ⟵
WIDD AD 2.24-1B, AERODROME CHART-ICAO, Dated 01 DEC 09;
WIDD AD 2.24-7A, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 04, Dated 17 SEP 06;
WIDD AD 2.24-7B, STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 22, Dated 17 SEP 06;
WIDD AD 2.24-9A, STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RWY 04, 7TH Edition;

WIDD AD 2.24-9B, STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RWY 22, 7TH Edition;
WIDD AD 2.24-10A, IAC-ICAO VOR/DME RWY 22, Dated 03 MAR 16;
WIDD AD 2.24-10B, IAC-ICAO ILS RWY 04, Dated 03 MAR 16;