



# **ARMI**

(Airport and Route Manual Information)

## **BATAM**

## **WIDD / BTH**

***DOMESTIC***

## I. Airport Data

Name	ICAO	IATA	ARP	Magnetic Variation	Airport Elevation (Feet)	Local time (UTC +/-)
Hang Nadim Airport	WIDD	BTH	N 01°07.1' E104°06.8'	0°	128	UTC + 7

Runways designator	length	strength	VASIS	RWY Elev
RWY 04-22	13205ft x 148ft (4025m x 45 m)	ASPHALT PCN 85 F/C/X/T	PAPI RWY 04 RWY 22	RWY 04 : 128ft RWY 22 : 69ft

## II. Communication & Navigation Aids facilities

<b>APP</b> Tanjung Pinang App.	130.2	<b>VOR/DME</b>	<b>BTM</b>	116.0
<b>APP</b> Singapore App.	120.3	<b>ILS</b>	<b>IBTM</b>	110.1
<b>TWR</b> Hang Nadim Tower	118.7	<b>NDB</b>	<b>BM</b>	370
<b>SMC</b> Hang Nadim Ground	121.95			
<b>ATIS</b>	126.25			
<b>Ground</b>	121.95			

## III. Airport location

- 9.18 NM East of city.
- Operating hours: 00.00-14.00 z.

## IV. Minimum Safe / Sector Altitude (MSA)

The highest MSA are 2200 ft (East Sector), 2000 ft (South West), and 1800 ft (North West) based on “**BTM**” VOR/DME.



## V. Climate / Weather Condition

- Opened

**VI. Ground/ Taxi maneuvering**

- Opened

**VII. Parking**

- Opened

**VIII. Ground Handling & Agents**

PT. Batam Airmars Service  
SITA ADDR5 BTHBAXH  
Company channel: 131.275 MHz  
call sign: BAS Operation,  
Phone/facs: 62-778-761307, 62-778-761308/ 62-778-761835.  
HRS of SERVICE 00.00 – 15.00z.

**IX. Servicing**

- PERTAMINA
- AES Facilities CAT.IX

**X. Medical Facilities**

- Hospitals in Town

**XI. Accommodation**

- Hotels in Town

**XII. Custom, Immigration & Quarantine**

- Available

### **XIII. Entry Procedures - Arrival Procedures**

<b>STANDARD ARRIVAL ROUTES ( STAR) RWY 04</b>	
SINGKEP 1C (From PALEMBANG/SINGKEP) B-469/W-24 WESTBOUND	Proceed on TPG R-177, descending to 2500'. After TPG proceed on BTM R-120 to D3 BTM and turn LEFT for downwind runway 04.
TANGO INDIA 1C (From PONTIANAK/TANJUNG) PINANG, W-36 WESTBOUND	After TPG proceed on BTM R-120 to D3 BTM and turn LEFT for downwind runway 04.
TEKONG 1C B-469	Proceed on VTK R-341 to VTK, turn RIGHT to intercept VTK R-190. Then turn LEFT to intercept BTM R-221 and commence approach for runway 04.
WEST POINT 2C (From MEDAN) A-576 EASTBOUND	After KASTA track 113 <sup>0</sup> (SJ R-293) to WEST POINT (D33 SJ), at WEST POINT turn LEFT, track 082 <sup>0</sup> to JB, turn RIGHT on SJ R-332. Then proceed on SJ R-146. At D14 SJ turn LEFT to intercept BTM R-221 and commence approach.

<b>STANDARD ARRIVAL ROUTES ( STAR) RWY 22</b>	
SINGKEP 1D (From PALEMBANG/SINGKEP) B-469/W-24 WESTBOUND	Proceed on TPG R-177, descending to 2500'. After TPG proceed on BTM R-120 to D3 BTM and turn RIGHT for downwind runway 22.
TANGO INDIA 1D (From PONTIANAK/TANJUNG) PINANG, W-36 WESTBOUND	After TPG proceed on BTM R-120 to D3 BTM and turn RIGHT for downwind runway 22.
TEKONG 1D B-469	Proceed on VTK R-341 to VTK, turn LEFT to intercept VTK R-111. On intercepting BTM R-036, turn RIGHT to intercept BTM R-041 and commence approach for runway 22.
WEST POINT 2D (From MEDAN) A-576 EASTBOUND	After KASTA track 113 <sup>0</sup> (SJ R-293) to WEST POINT, turn LEFT track 083 <sup>0</sup> to KK. After KK track 115 <sup>0</sup> and on intercepting BTM R-036 turn RIGHT to intercept BTM R-041 and commence approach.

**XIV. Departure procedures and conditions from Batam**

<b>STANDARD INSTRUMENT DEPARTURE RWY 04</b>	
BOBAG 1C (TO PEKANBARU) R-469 WESTBOUND	Turn RIGHT to join airway R-469 at SAMKO. Proceed on R-469 to TAROS
HOSBA 1C (TO MATAK/RANAI) G-580 EASTBOUND	Set course for HOSBA to join airway G-580. Proceed on G-580 to N01 21.8 E105 30.0, then leave airway direct to MK/RN.
JITLIM 2C (TO PEKANBARU) W-22 WESTBOUND	turn RIGHT, Join W-22 at JITLIM, proceed on W-22 to PIDON.
KIRDA 1C (TO PANGKALPINANG/JAKARTA) EASTBOUND	Turn RIGHT to intercept TPG R-294. Track to TPG , at TPG turn RIGHT and proceed on TPG R-152 to KIRDA.
SINGKEP 1C (TO SINGKEP/PALEMBANG) W-24 EASTBOUND	Turn RIGHT to intercept TPG R-294. Track to TPG , at TPG turn RIGHT and proceed on TPG R-177 to NE.
TANGO INDIA 1C (TO TANJUNG/PONTIANAK) W-36 EASTBOUND	Turn RIGHT to intercept TPG R-294. Track to TPG , at TPG proceed on W-36 to GOBIK.
TEKONG 1D B-338/G-219 ORTHBOUND	Proceed to BTM, at BTM turn LEFT to VTK. After VTK proceed on airway B-338/ G-219.
WEST POINT 2C (TO MEDAN) A-576 WESTBOUND	Proceed to RAMUNIA, track 295 <sup>0</sup> to KK, at KK track 266 <sup>0</sup> to JB and then track 262 <sup>0</sup> to WEST POINT. At WEST POINT turn RIGHT and track 293 <sup>0</sup> to KASTA.

<b>STANDARD INSTRUMENT DEPARTURE RWY 22</b>	
BOBAG 1C (TO PEKANBARU) R-469 WESTBOUND	Turn RIGHT to join airway R-469 at SAMKO. Proceed on R-469 to TAROS
HOSBA 1D (TO MATAK/RANAI) G-580 EASTBOUND	Turn LEFT for HOSBA to join airway G-580. Proceed on G-580 to N01 21.8 E105 30.0, then leave airway direct to MK/RN.

**STANDARD INSTRUMENT DEPARTURE RWY 22**

JITLIM 2D (TO PEKANBARU) W-22 WESTBOUND	Fly STRAIGHT AHEAD, Join W-22 at JITLIM, proceed on W-22 to PIDON.
KIRDA 1D (TO PANGKALPINANG/JAKARTA) EASTBOUND	Turn LEFT to intercept TPG R-294. Track to TPG, at TPG turn RIGHT and proceed on TPG R-152 to KIRDA.
SINGKEP 1C (TO SINGKEP/PALEMBANG) W-24 EASTBOUND	Turn LEFT to intercept TPG R-294. Track to TPG, at TPG turn RIGHT and proceed on TPG R-177 to NE.
TANGO INDIA 1D (TO TANJUNG/PONTIANAK) W-36 EASTBOUND	Turn LEFT to intercept TPG R-294. Track to TPG, at TPG proceed on W-36 to GOBIK.
TEKONG 1D B-338/G-219 ORTHBOUND	Turn RIGHT to VTK. After VTK proceed on airway B-338/ G-219.
WEST POINT 2D (TO MEDAN) A-576 WESTBOUND	Join G-579 at SAMKO to SJ. Continue on SJ R-332 to JB. At JB track 262 <sup>0</sup> to join A-576 at WEST POINT. Then turn RIGHT and track 293 <sup>0</sup> to KASTA.

**XV. Search and Rescue**

- In general, Search and Rescue procedures are in conformity with the Standards, Recommended Practices and Procedures contain in ICAO.
- The following Emergency / distress frequencies are provided:
  - a. VHF – 121.5 MHz.
  - b. UHF – 243.0 MHz.
  - c. HF – 500 kHz, 2.182 kHz, 8.364 kHz.

## XVI. ATC Flight plans routes and distances

### **WIII – WIDD (CGK-BTH)**

#### **WIII - WIDD R 01**

WIII ... CKG1G ... CKG ... SIKAD ... DOLTA ...G579 ...DOMIL ...PLB ...PARDI ...REPOV ...REMES ... WIDD. Distance 494 NM

#### **Enroute Mora CKG – BTH**

The highest MSA at CENGKARENG are 4,500 ft to South and 2,000 ft to the North based on CL, CR, GL, GR NDB, the Highest Grid Mora On this Route is 9.500 ft from point DOLTA to DOMIL, and the highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME.

### **WIDD - WIII (BTH - CGK)**

#### **WIDD – WIII R01**

WIDD ... IDMAS ... B338 ...ANITO ...B740 ...PKP ... W26 ... BOSLO ...BUNIK ...BUNIK2 ...DKI44 ... NOKTA ... WIII. Distance 477 NM.

#### **Enroute Mora BTH – CGK**

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME. The highest Grid Mora is 5.000 ft from point ANITO to PKP (Pangkal Pinang), and The highest MSA at CENGKARENG are 4,500 ft to South and 2,000 ft to the North based on CL, CR, GL, GR NDB.

## XVII. ALTERNATE

Destination	Alternate	Loc.	Ind.	classic B737	B737 NG	TT	NM	Ground Handling
BATAM WIDD BTH	Singapore	WSSS	SIN	+	+	333	036	CIAS
	Pekanbaru	WIBB	PKU	+	+	256	175	PT. Gapura
	Kuala Lumpur	WMKK	KUL	+	+	303	222	MAS
	Palembang	WIPP	PLM	+	+	171	294	PT. Gapura
	Padang	WIPT	PDG	+	+	243	315	PT. Gapura
	Medan	WIMM	MES	+	+	103	388	PT. Gapura

**Note:** refer to MISCELLANEOUS DOMESTIC 3.3.3 Destination Alternate List

+ :alternate airport adequate for indicated aircraft type

- : alternate airport NOT adequate for indicated aircraft type

**Singapore**

***Alternate Flight plan route and distance***

WIDD – WSSS (BTH - SIN) A 01

WIDD ... BTM ... SAMKO ... SJ ... WSSS. Distance 36 NM.

***Enroute Mora BTH – SIN***

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME, and the highest MSA at Singapore are 3.400 ft to Northwest, 2.100 ft to Southwest and 1.900 ft to East based on VTK VOR and 3.400 ft to Northwest, 2.500 to South west and 2.100 ft to East based on SJ VOR.

**Pekanbaru**

***Alternate Flight plan route and distance***

WIDD – WIBB ( BTH – PKU ) R 01

WIDD ... BOBA1C ... SAMKO ... BOBAG ... TAROS...R469...WIBB. Distance 172 NM.

***Enroute Mora BTH – PKU***

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME, the highest Grid Mora on the Route is 3.300 ft from point TAROS to WIBB and The highest MSA at Pekan Baru are 2000 ft to Southeast, 2500 ft to North and Southwest based on BIK VOR/DME.



## **Kuala Lumpur**

### ***Alternate Flight plan route and distance***

*WIDD – WMKK ( BTH – KUL ) A 01*

WIDD ... HOSB1C ... HOSBA ... G580 ... SJ ... G579 ... LEGAL ... LAPOL ... JB ... VJR ... A457 ... GUPTA ... W535 ... VMK ... LAPIR2 ... LAPIR ... CF32L ...  
WMKK. Distance 222 NM.

### ***Enroute Mora BTH – KUL***

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME, the highest Grid Mora on the Route is 5.400 ft from point GUPTA to VMK VOR/DME and The highest MSA at Kuala Lumpur are 5.300 ft from Northwest to Southwest and 2.200 ft from Southwest to Northwest based VKL VOR.

## **Palembang**

### ***Alternate Flight plan route and distance***

*WIDD – WIPP ( BTH – PLM ) A 01*

WIDD ... NE1C ... D294P ... TPG ... NE ... W24 ... TIAMA ... WIPP. Distance 257 NM.

### ***Enroute Mora BTH – PLM***

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME, the highest Grid Mora on the Route is 5.400 ft from point TPG (Tanjung Pinang) to TIAMA and The highest MSA at Palembang is 1500 ft based on PLB VOR/DME.

## **Padang**

### ***Alternate Flight plan route and distance***

- Open

**Pontianak**

***Alternate Flight plan route and distance***

- Open

**Medan**

***Alternate Flight plan route and distance***

*WIDD – WIMM ( BTH – MES ) R 01*

WIDD ... WPON2C ... RAMNA ... KK ... ALFA ...JB ...WPONT ...KASTA  
...SALAX ...N563 ... AMVIL ...AMVI1C ... D117Y ... ON ... WIMM. Distance 389  
NM.

***Enroute Mora BTH – MES***

The highest MSA at Batam are 2000 ft to South West, 1800 ft to North West, and 2200 ft to East based on BTM VOR/DME, the highest Grid Mora on the Route is 3.000 ft from point AMVIL to ON NDB and The highest MSA at Medan are 1.500 ft to North, 7500 ft to South West and 9500 ft to South East based on MDN VOR/DME.

**XVIII. Remarks**

- Tarffic pattern :
  - RWY 04 –R/H circuit
  - RWY 22 – L/H circuit