

WBKW AD 2.1 AERODROME LOCATION INDICATOR AND NAME**WBKW - TAWAU****WBKW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	LAT 041848N LONG 1180719E Centre of Runway
2	Direction and distance from city	15 NM North East of City
3	Elevation / Reference temperature	57 FT / 32° C
4	Geoid Undulation	+58.828 M
5	MAG VAR / Annual change	17 min 00 sec East (2012)
6	AD Administration, address, telephone, telefax, telex, AFS	Operator: Malaysia Airports Sdn. Bhd. Tawau Airport P.O. Box 60132 91011 Tawau Sabah. Tel : 089 - 950777 Fax : 089 - 950780 ATC Services: Department of Civil Aviation Malaysia Tawau Airport P.O. Box 379 91007 Tawau Sabah. Tel : 089 - 950111 / 950114 / 950115 (Administration) 089 - 950113 (Tower) Fax : 089 - 950112 (Administration) 089 - 950100 (Tower) AFS/AFTN : WBKWZTZX
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	Nil.

WBKW AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 - 1400 UTC Daily.
2	Customs and immigration	Customs : 2200 - 1230 Immigration : 2200 - 1230
3	Health and sanitation	2200 - 1100
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	2300 - 1400 Daily
6	MET Briefing Office	H24
7	ATS	2300 - 1400 Daily
8	Fuelling	2200 - 1230
9	Handling	Prior arrangement.
10	Security	H24
11	De-icing	Nil
12	Remarks	Unscheduled movements PPR from FIC Kota Kinabalu before 0400 daily.

WBKW AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	By arrangement with Malaysia Airline System.
2	Fuel / Oil types	Jet A1 Fuel
3	Fuelling facilities / capacity	Refuelling by bowser.
4	De-icing facilities	Nil
5	Hanger space available for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

WBKW AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in town.
2	Restaurants	Airport restaurant.
3	Transportation	Bus and Taxi services.
4	Medical facilities	Hospital in town.
5	Bank and Post Offices	In airport and town.
6	Tourist Office	Nil
7	Remarks	Nil

WBKW AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Required : CAT 6 Available: CAT 6 Trained Personnel: Min 10 per shift, max 11 per shift.
2	Rescue equipment	Type of vehicle : a) Ultra Large Foam Tender (2 units) b) Mini Rapid Intervention Vehicle (1 unit)
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Ops hours : 2300 - 1400 (CAT 6)

WBKW AD 2.7 SEASONAL AVAILABILITY - CLEARING**NOT APPLICABLE**

WBKW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Asphalt Strength : PCN69/F/C/W/T Surface : Concrete Strength : PCN65/R/C/W/T
2	Taxiway width, surface and strength	Width : 23 M with shoulders 10.5 M both sides Surface : Asphalt concrete Strength : PCN69/F/C/W/T
3	ACL location and elevation	Location : Nil Elevation : Nil
4	VOR / INS Checkpoint	VOR : VOR : Taxiway A and B - see aerodrome chart INS : Nil
5	Remarks	Nil

WBKW AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. Guide lines at apron. Nose-in guidance at acft stands.
2	RWY and TWY markings and LGT	RWY : Designation, THR, TDZ, Centreline, RWY Edge and RWY End - marked and lighted. TWY : Centreline, Holding position at intersections - marked and lighted
3	Stop bars	Stop bars on TWY A and B.
4	Remarks	Twy Alpha guidance sign lgts not avbl. Pilots to exercise caution at Rwy-Holding position as Stop Bar lights is not in accordance with Annex 14 Para 5.3.19.9. Stop bar lights and three Twy Centreline lights (90M facing to tje Rwy) are switched on manually.

WBKW AD 2.10 AERODROME OBSTACLES

RWY / Area effected	Obtacles Type Elevation Markings / LGT	Coordinates
a	b	c
Within 10 NM radius from ARP	Hill, hgt 600 FT (183 M), brg 016° distance 5.2 NM from ARP.	042347N 1180845E
	Hill, hgt 700 FT (214 M), brg 034° distance 6.2 NM from ARP.	042354N 1181042E
	Hill, hgt 400 FT (122 M), brg 048° distance 6.3 NM from ARP.	042300N 1181157E
	Hill, hgt 324 FT (99 M), brg 102° distance 4.1 NM from ARP.	041757N 1181118E
	Hill, hgt 850 FT (259 M), brg 238° distance 8.6 NM from ARP. Lighted.	041415N 1180005E
	Hill, hgt 400 FT (122 M), brg 241° distance 6.4 NM from ARP.	041544N 1180145E
	Hill, hgt 1285 FT (392 M), brg 247° distance 9.5 NM from ARP.	041508N 1175834E
	Hill, hgt 600 FT (183 M), brg 251° distance 7.4 NM from ARP.	041621N 1180022E
	Hill, hgt 900 FT (275 M), brg 333° distance 5.3 NM from ARP.	042332N 1180457E
	Telecommunication Tower, Sungai Kawa, hgt 62 M lighted	041920N 1180537E
RWY 06 / APCH RWY 24 / TKOF	Localizer Antenna, 63 FT (19.2 M). Lgtd, colour red.	041817N 1180629E
	Locator Antenna, 116 FT (35.35 M). Lgtd, colour red.	041759N 1180559E
	WDI, 76 FT (23.16 M). Lgtd at night.	041830N 1180655E

RWY / Area effected	Obtacles Type Elevation Markings / LGT	Coordinates
a	b	c
RWY 24/ APCH RWY 06/ TKOF	Glide Path Antenna, 87 FT (26.5 M). Lgtd, colour red.	041902N 1180750E
	DVOR Antenna, 70 FT (21.25 M). Lgtd, colour red.	041928N 1180824E
	WDI, 48.5FT (17.8 M). Lgtd at night.	041908N 1180745E

WBKW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	TAWAU
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Kota Kinabalu Meteorological Office 24
4	Type of landing forecast Interval of issuance	METAR/SPECI Hourly
5	Briefing / consultation provided	On request
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	Nil
8	Supplementary equipment available for providing information	Self-Briefing Terminals (Internet)
9	ATS units provided with information	Tawau Control Tower
10	Additional information	Tel : +6089 - 950566 Fax: +6089 - 950571

WBKW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designation RWY NR	TRUE and MAG BRG	Dimensions of RWY (M)	Strength (PCN) Surface of RWY and SWY	THR Coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
06	058T	2685 x 47	PCN 69/F/C/W/T Asphalt	041825.07N 1180642.00E	57FT
24	238T	2685 x 47	PCN 69/F/C/W/T Asphalt	041911.19N 1180756.07E	40FT

Slope of RWY - SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strips Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.31 %	60 x 47	180 x 150	2925 x 300	—	Nil
0.35 %	60 x 47	180 x 150	2925 x 300	Provided	Nil

WBKW AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
06	2685	2865	2745	2685	Nil
24	2685	2865	2745	2685	Nil

WBKW AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH Lgt	THR Lgt	VASIS (MEHT) PAPI	TDZ Lgt	RWY Centre Line Lgt	RWY Edge Lgt	RWY End Lgt WBAR	SWY Lgt	Remarks
1	2	3	4	5	6	7	8	9	10
06	White	Green	PAPI Slope 3°	Nil	Nil	White/ Amber	Red	Red	Simple App lgt RWY 06 Turning pan lgts not avbl
24	White	Green	PAPI Slope 3°	Nil	Nil	White/ Amber	Red	Red	Cat I App lgt RWY 24 Turning Pan lgts not avbl

WBKW AD 2.15 OTHER LIGHTINGS, SECONDARY POWER SUPPLY

1	ABN / IBN location, characteristics and hours of operation	ABN - Green / White
2	LDI location and LGT Anemometer location and LGT	LDI - Lighted at night. Anemometer - Lighted at night.
3	TWY edge and centre line lighting	TWY Edge - Blue TWY Centreline - Green
4	Secondary power supply / switch-over time	Automatic standby generator for Light, Tower and Equipment. Turnover time 10 seconds.
5	Remarks	3 of the Twy Centreline lgts on Twy Alpha and Bravo will be switch on simultaneously when the stop bar lgts is switch on.

WBKW AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	Nil
2	TLOF and/or FATO elevation M/FT	Nil
3	TLOF and FATO area dimension, surface, strength, marking	Nil
4	True and MAG BRG of FATO	Nil
5	Declared distance available	Nil
6	APP and FATO lighting	Nil
7	Remarks	Helipad provided, 90 M x 40 M to the North East of the main apron.

WBKW AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Tawau CTR Commencing from 040800N 1173000E, clockwise along an arc of a circle 40NM radius centered on VTW DVOR/DME 041928.3N 1180823.7E, to 045841N 1175930E thence a straight line to 044247N 1184102E, thence along the arc of a circle 40NM radius centered on VTW DVOR/DME 041928.3N 1180823.7E to 040002N 1184327E thence along the Malaysian/Indonesian National boundary to 040800N 1173000E
2	Vertical limits	Gnd / Sea Level to 11500FT.
3	Airspace classification	C
4	ATS unit callsign Language(s)	Tawau Approach / Tower English
5	Transition altitude	11 000 FT
6	Remarks	Nil

WBKW AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	ID	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	TAWAU GROUND	121.9MHz	2200 - 1600	Nil
TWR	TAWAU TOWER	122.50MHZ		Nil
APP	TAWAU APPROACH	123.55 MHZ		Radar service available from 0000 - 0900UTC daily from Monday to Friday (excluding Public Holidays) Tawau Tower shall be responsible for the provision of Air Traffic Services outside the above operation hours.
ATIS	TAWAU TERMINAL INFORMATION	126.25MHz		
EMERGENCY FREQUENCY		121.50MHZ		Nil

WBKW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid	ID	Frequency	Hours of operation	Coordinates	DME Elevation	Remarks
1	2	3	4	5	6	7
ILS/LOC	ITWU	111.3 KHZ	H24	041817.2N 1180628.8E	-	Alignment 238° / 058°
GP/DME	-	332.3MHZ CH 50X		041902.2N 1180749.9E	87 FT (26.5 M)	GP 3° Co-located with DME
NDB	TWU	278 KHZ		041758.7N 1180558.9E	-	Antenna elevation: 21.336M
DVOR/DME	VTW	115.6MHZ CH 103X		041928.3N 1180823.7E	65FT (19.75 M)	Antenna Elevation: 11.95M

WBKW AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Circuit Pattern
 - a) Rwy 06 - Right Hand Circuit.
 - b) Rwy 24 - Left Hand Circuit.
2. Engine run procedures for aircraft
 - a) Fitted with Auxiliary Power Unit (APU)
 - i. Aircraft shall start-up one engine
 - ii. Push back shall commence after one engine has started up. Such engine shall be on idle power at push back.
 - iii. Start-up of other engine shall be made after push back and when the aircraft is position on the apron taxiway line.
 - b) Not fitted with Auxiliary Power unit (APU) or when the APU is unserviceable
 - i. Shall be permitted to start all engines before push back.
3. Parking for general aviation aircraft - refer to Aerodrome Chart.
4. Helipad available - refer to Aerodrome Chart.
5. Helicopter landing / take-off are confined to either runway or taxiway subject to air traffic requirement, thereafter air taxi to the helicopter stand.
6. Departing aircraft shall be pushed out onto the apron centreline and face North East or South West as directed by ATC.
7. Two way radio communication shall be established with Tawau Approach (123.55MHZ) or Tawau Tower (122.50MHZ) prior to enter Tawau CTR.

WBKW AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBKW AD 2.22 FLIGHT PROCEDURES

1. Communication Failure Procedure

In the event of communication failure, the pilot shall act in accordance with the communication failure procedures as published in Malaysian AIP, ENR 1.6-3, Para 2.1

WBKW AD 2.23 ADDITIONAL INFORMATION

1 Bird Concentration In The Vicinity Of The Airport

1.1 Presence of birds at the aerodrome. Pilots to exercise caution while landing and take-off.

2 List of Way-points

2.1 The following list contains the way-points related to SID, RNAV STAR and IAP procedures at Tawau Airport

NO	WAYPOINT NAME CODE	LATITUDE(N)	LONGITUDE (E)	RADIAL/DME from VTW VOR/DME
1.	AKDEM	044620N	1173225E	RDL307/45D
2.	ANGUR	043128.2N	1175219.6E	RDL307/20D
3.	AGIGI	042727.6N	1174439.9E	RDL289/25D
4.	BILUK	043750.7N	1181332.4E	RDL016/19D
5.	BELMO	043200.9N	1181708.4E	RDL035/15D
6.	MALIM	042145.9N	1182328.2E	RDL081/15D
7.	MAMUD	042653.2N	1182018.5E	RDL058/14D
8.	DUDOL	043034.2N	1180650.9E	RDL352/11D
9.	ANDAR	041148.1N	1181310.1E	RDL148/9D

3. Holding Areas

3.1 Details of the Holding Areas are as follows:

HOLDING AREAS	INBD TR(°MAG)	Direction	Max IAS(Kts)	MAX/MIN HLDG LVL(MSL)	TIME
W441 AGIGI 042727.6N 1174439.9E RDL289/25VTW	109	Right	230	7000 to 11000	1
W425 ANGUR 043128.2N 1175219.6E RDL307/20 VTW	127	Left	230	7000 to 11000	1
W424 BILUK 043750.69N 1181332.42E RDL016/19 VTW	196	Right	230	5000 to 11000	1
MAMUD 042653.21N 1182018.46E RDL058/14 VTW	238	Left	230	3300 to 9000	1
ANDAR 041148.1N 1181310.1E RDL148/9 VTW	148	Right	190	2500 to 9000	1

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