

WBKL AD 2.1 AERODROME LOCATION INDICATOR AND NAME**WBKL - LABUAN****WBKL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	LAT 051806N LONG 1151454E
2	Direction and distance from city	Bearing 020/2.5km from Labuan town. 5km by road.
3	Elevation / Reference temperature	102 FT (31.02 M) / 31.2° C
4	Geoid Undulation	+44.917 M
5	MAG VAR / Annual change	12 min 00 sec East (2012)
6	AD Administration, address, telephone, telefax, telex, AFS	<p>Operator : Malaysia Airports Berhad Labuan Airport P.O. Box 80569 87015 Labuan Federal Territory Sabah. Tel : 087 - 415070 Fax : 087 - 412909</p> <p>ATC Services : Royal Malaysian Air Force. Operation Wing, Labuan Air Base, 87009 Labuan Federal Territory.</p> <p>Tel : 087 - 412459 Fax : 087 - 412459 AFTN : WBKLYWYX</p>
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
9	Remarks	Nil

WBKL AD 2.3 OPERATIONAL HOURS

1	AD Administration	2200 - 1400 UTC
2	Customs and immigration	2200 - 1400 UTC
3	Health and sanitation	HJ
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	2200 - 1400 UTC (Labuan ATC)
6	MET Briefing Office	H24
7	ATS	2200 - 1400 UTC Daily
8	Fuelling	Shell : 2200 - 1400
9	Handling	2200 - 1400 UTC
10	Security	H24
11	De-icing	Nil
12	Remarks	Every Friday btn 0430 - 0530 UTC, No flying in the circuit allowed.

WBKL AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	By arrangement with Malaysia Airline System.
2	Fuel / Oil types	Jet A1.
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

WBKL AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in town.
2	Restaurants	Restaurant at airport.
3	Transportation	Taxi, car limousines / rental.
4	Medical facilities	Nil
5	Bank and Post Offices	Nil
6	Tourist Office	Nil
7	Remarks	Nil

WBKL AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Available: CAT VII Trained personnel: Min 13 per shift
2	Rescue equipment	Type of vehicle : a) 1 Rapid Intervention Vehicle b) 2 Primary Foam Tender c) 2 Secondary Foam Tender
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil.

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

WBKL AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Strength :	Concrete PCN 74/R/C/W/T
2	Taxiway width, surface and strength	Width : Surface : Strength :	23 M Asphalt PCN 79/F/C/X/T
3	ACL location and elevation	Location : Elevation :	At apron 26.7m / 88ft
4	VOR / INS checkpoint	VOR : INS : Bay 1 Bay 1A Bay 2 Bay 3 Bay 4 Bay 5 Bay 6A Bay 6	At TWY J and K holding point. See AD Chart. TWY J : Brg 137° 48' 39" Dist. 1.067KM/0.57NM TWY K: Brg 136° 16' 36" Dist. 0.888KM/0.48NM At aircraft parking stand 057145.55N 1151447.26E 051745.87N 1151458.57E 051743.91N 1151458.28E 051742.75N 1151459.07E 051741.59N 1151459.87E 051740.99N 1151501.02E 051740.13N 1151502.11E 051739.55N 1151501.92E
5	Remarks	Nil	

WBKL 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 intersection with TWY and RWY and at RWY Holding positions. Yellow taxiing guide lines at apron. Visual docking and guidance system for Bay 1, 2, 3 and 4. Nose wheel guidance line for all parking bays.
2	RWY and TWY markings and LGT	RWY : Designation numbers, threshold, transverse strip, touchdown zone, aiming point, centerline and turn pad markings. Rwy Light: High intensity edge lights, green threshold lights and red end lights. TWY : Centreline , side stripe and holding position markings. Twy Light: Centerline, exit and edge lighting.
3	Stop bars	At Rwy holding position - Red.
4	Remarks	Nil

WBKL AD 2.10 AERODROME OBSTACLES

IN APCH/TKOF AREA			IN CIRCLING AREA AND AT AD		
1			2	3	
RWY/AREA Affected	TYPE ELEV Markings/LGT	Coordinates WGS 84	TYPE ELEV Markings/LGT	Coordinates	
a	b	c	a	b	
32 APCH 14 TKOF	LLZ antenna 31.61M/104FT	051723.31N 1151527.35E	WDI-lighted 35.30M/116FT	051740.80N 1151512.16E 390M from threshold Rwy 14, 83M from Rwy Centerline left side.	-
	DVOR/DME 35.06M/115FT. Lighted at night.	051721.89N 1151528.67E	Glide path aerial 47.99M/157FT. Red obstruction light.	051838.71N 1151440.62E	-
	NDB antenna 32.98M/108FT. Lighted at night.	051702.85N 1151540.67E	WDI - lighted 35.38M/116FT. Aircraft arrestor hook cable system shelters. Located on both sides of rwy 60M/ 200FT from centerline, 457M/ 1500FT from threshold RWY 32 and 916M/3005FT from threshold RWY 14, height 8FT AGL. Painted red/white.	051836.79N 1151440.45E 390M from threshold RWY 32, 83M from rwy centerline left side.	-
			Hanger 46.5M/153FT	-	Penetrates Transitional Surface by 4.8M.
			Labuan water treatment plant/ storage tanks a. High lift pumping station 35.7M/ 117FT.	-	a. on rwy strip
			b. 2Mg dome circular reservoir 37.5M/ 123FT.	-	b. Penetrates Transitional surface by 3.1M.
			c. JKR store workshop 36.2M/ 119FT.	-	b. Penetrates Transitional surface by 3.0M.
			d. Water treatment facilities 35.1M/ 115FT.	-	b. Penetrates Transitional surface by 4.2M.
			e. Kerupang elevated water tank 44.8M/ 147FT.	-	b. Penetrates Transitional surface by 0.8M.

Elevations of Obstacles within 10 NM of ARP		
RWY/AREA Affected	Obstacles Type, Elevation, Marking/Lighting	Coordinates
a	b	c
	High ground 189FT (58M) AMSL 112° T, 8.5Km from ARP	051648N 1151906E
	Hill 320° T, 8.7Km from ARP	-
	Tower erected 250FT AMSL. Painted red and white. Lgtd at 125FT and 250FT.	051526.9N 1150937.7E
	Chimney brg 191°, 2.9 NM from ARP, hgt 300FT AMSL not lgtd.	-
	Labuan mosque, hgt 250FT AMSL, lgtd but not painted	051700.9N 1151450.7E
	Stadium floodlights, hgt 188FT AMSL, lgtd and painted	051831.9N 1151349.7E
	Aerial mast, hgt 248FT AMSL, painted and lgtd	051728.9N 1151457.7E
	A vent, hgt 263FT AMSL, painted red and white and lgtd at night, will release flammable gas occasionally within 1000M radius of the vent stack. Safety hgt 2000FT AMSL.	051607.9N 1151007.7E
	Telecommunication tower, hgt 159FT AMSL, painted red and white and lgtd	051711.9N 1151453.7E
	Telecommunication tower, hgt 417FT AMSL (Kg. Menumbuk), painted red and white altn bands and lgtd	051806.9N 1152131.7E
	43 tower, hgt 50M AMSL erected, support for the 132KV overhead transmission lines stretch from coords 052114.9N 1151426.9E to 051500.9N 1151359E within the APP Zone aprox 3022M from THR Rwy 14. Twr painted red and white and lgtd.	-
	Five apron floodlights erected along apron edge from Bay 1 to Bay 6, hgt 20M, elev 46.7M (153FT) AMSL. Lgtd at night	-
	Communication pole antenna erected on Bukit Kubong area, hgt 267FT AMSL. painted red and white and lgtd at night.	052553.8N 1151403.7E
	Log Periodic antenna erected on Bukit Kubong area, hgt 342FT AMSL. Painted red and white and lgtd at night.	052255.8N 1151406.7E
	High Mast I erected on Bukit Kubong area, hgt 330FT AMSL. Painted red and white and lgtd at night.	052258.8N 1151409.7E
	High Mast II erected on Bukit Kubong area, hgt 327FT AMSL. Painted red and white and lgtd at night.	052255.8N 1151408.7E
	High Mast III erected on Bukit Kubong area, hgt 357FT AMSL. Painted red and white and lgtd at night.	052259.8N 1151411.7E
	A Vent, hgt 252FT AMSL, lgtd at night, will release flammable gas within 1000M radius of the vent stack. Safety hgt 2000FT AMSL.	051500.0N 1151421.0E

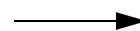
WBKL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	LABUAN
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Labuan Meteorological Office and Kota Kinabalu Meteorological Office 24
4	Type of landing forecast Interval of issuance	METAR/SPECI and TREND (2200UTC-1400UTC) - Mon - Fri, TREND (0000UTC-0900UTC) - Sat and Sunday. Hourly
5	Briefing / consultation provided	Provided
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	Flight Level Wind/Temp FL50, FL100, FL140, FL180, FL250, FL320 and FL360, SIGWX, Volcanic Ash/Tropical Cyclone Advisory, SIGMET, AIRMET, Aerodrome Warning, METAR Bulletin, TAFOR Bulletin, Area QNH for Kuala Lumpur FIR, Radar and Satellite Pictures.
8	Supplementary equipment available for providing information	Self-Briefing Terminals
9	ATS units provided with information	Labuan Control Tower
10	Additional information	Tel: +6087 - 423112 / 421440 Fax: +6087 - 412109

WBKL 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
14	145.41°T 145.03°M	2745 x 45	PCN 79/F/C/X/T	051845.71N 1151431.11E	THR: 31.02M (101.74FT) TDZ: 29.86M (97.94FT)
32	325.41°T 325.03°M	2745 x 45	PCN 79/F/C/X/T	051731.95N 1151521.44E	THR: 29.30M (96.10FT)

Slope of RWY - SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strips Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.06 %	NIL	NIL	2865 X 300	Nil	Nil
0.06 %	NIL	60 X 180	2865 X 300	Nil	Nil



WBKL AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
14	2745	2745	2745	2745	RESA 195M X 90M
32	2745	2805	2745	2745	RESA 150M X 90M

WBKL 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
14	Precision Approach Cat. 1	Green	PAPI Slope 3°	Nil	Nil	White/ Yellow	Red	Nil	Nil
32	Simple Approach	Green	PAPI Slope 3°	Nil	Nil	White/ Yellow	Red	Nil	Nil

WBKL AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN / IBN location, characteristics and hours of operation	ABN at Control Tower roof. Flashing alternate white/green. H24
2	LDI location and LGT Anemometer location and LGT	LDI not available. Anemometer: At wind-direction indicator (WDI) RWY 14: 390M from THR on left side, lighted. RWY 32: 390M from THR on left side, lighted.
3	TWY edge and centre line lighting	Twy/Apron edge lights - Blue. Twy Centerline Lights - Green.
4	Secondary power supply / switch-over time	Automatic standby generator for Control Tower / AGL Switch-over time : 15 seconds.
5	Remarks	Stopbar lights at Twy J and K.

WBKL AD 2.16 HELICOPTER LANDING AREA

NIL

WBKL AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Labuan CTR Area contained within an arc of a circle 25 NM radius centred on Labuan DVOR/DME fm 051302N 1145041E clockwise to 045226N 1151416E thence anti-clockwise along the minor arc of a circle 15NM radius centered on VLG DVOR/DME to 045607N 1151232E, anti-clockwise along the minor arc of a circle 17NM radius centered on Brunei ARP (045641N 1145532E) to 051302N 1145041E.
2	Vertical limits	GND / MSL to 4000FT.
3	Airspace classification	C
4	ATS unit callsign Language(s)	Labuan Approach
5	Transition altitude	11000FT
6	Remarks	Nil

WBKL AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	ID	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	LABUAN GROUND	118.35 MHZ 235.1 MHZ	2200 - 1400 daily	-
TWR	LABUAN TOWER	118.1 MHZ 238.1 MHZ		-
APP	LABUAN APPROACH	119.7 MHZ 249.3 MHZ		-
ATIS	LABUAN TERMINAL INFORMATION	126.85 MHZ		-

WBKL 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	5	7
ILS/LLZ	ILB	111.1 MHZ	H24	051723.31N 1151527.35E	31.61M/ 103.71FT	
GP/DME	-	331.7 MHZ CH 48X		051838.71N 1151440.62E	47.99M/ 157.45FT	
L	LAB	260 KHz		051702.85N 1151540.67E	32.98M/ 108.20FT	320x MAG/1112M to RWY 32 100 W
DVOR/DME	VLB	116.3 MHZ CH 110X		051721.89N 1151528.67E	35.06M/115FT	

WBKL AD 2.20 LOCAL TRAFFIC REGULATIONS

1 Local Flying Restrictions

- 1.1 Labuan circuits directions for RWY 14 is Left Hand Circuit pattern and for RWY 32 is Right Hand Circuit pattern. The circuit altitude are as follows:

Aircraft Type	Altitude		
	Day	Low Level	Night
Jet / Turbo Fixed Wing	1600 FT	500 FT	1600 FT
Piston and other light aircraft	1100 FT	500 FT	1100 FT
Rotary Wing	1000 FT	500 FT	1000 FT

- 1.2 Aircraft are not to make 180° lock-wheel turn on the runway.

2 Procedures for VFR flights within the Labuan CTR.

- 2.1 A flight plan shall be filed for the flight concerned.
- 2.2 ATC clearance shall be obtained from Labuan Tower.
- 2.3 Any deviation from ATC clearance requires prior permission.
- 2.4 The flight shall be conducted with vertical visual reference to the ground.
- 2.5 Two-way radio communication shall be established with Labuan Approach on 119.7 MHz (P) or 249.3 MHz (S) prior to entering the Labuan CTR.
- 2.6 All VFR flights shall follow the established VFR Routes for entering and exiting the Labuan CTR, as shown in Visual Chart. Any deviation outside these routes requires prior ATC permission.
- 2.7 All arriving aircraft shall hold at the designated VFR Holding area at 1000FT and await onward ATC clearance for landing.

WBKL AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBKL AD 2.22 FLIGHT PROCEDURES

- 1 Communication failure procedures as per AIP Malaysia ENR 1.6 - 3 Para 2.1 are to be adapted by pilot experiencing such exigency.

WBKL AD 2.23 ADDITIONAL INFORMATION

- 1 Arrestor Barrier And Arrestor Cable Gear.
- a) Arrestor Barrier 1) Location : Both end of runway
- b) Arrestor Cable Gear 2) Location : 916M from threshold RWY 14
457M from threshold RWY 32
- (Both arrestor cable and arrestor barrier will be at down position unless for specific aircraft type operation)

2. List Of Way-points

2.1 The following list contains the Way Points related to SID, RNAV STAR and IAP procedures at Labuan Airport.

No	Designator	Radial/DME VLB	Coordinates	
1.	PARNI	RDL 277/25	052025.08N	1145036.08E
2.	BKLN B (IAF)	RDL 296/16.2	052429.88N	1150052.73E
3.	BKLN I (IF)	RDL 325/14.1	052858.20N	1150722.08E
4.	LAPEN	RDL 052/25	053249.54N	1153514.08E
5.	BKLN A (IAF)	RDL 353/15.9	053316.04N	1151325.71E
6.	BKLN F (FAF)	RDL 325/8.6	052426.60N	1151031.92E
7.	XOKET	RDL 109/25	050910.72N	1153910.11E
8.	NOMAG	RDL 188/10.6	050646.81N	1151402.42E
9.	KAPLA	RDL 233/7.1	051303.14N	1150946.17E
10.	TATEM	RDL 145/6.9	051141.10N	1151926.68E
11.	MININ	RDL 277/9.5	051831.66N	1150602.42E
12.	BKLS B (IAF)	RDL 175/14.6	050244.56N	1151647.31E
13.	BKLS I (IF)	RDL 146/12.5	050657.25N	1152224.95E
14.	BKLS F (FAF)	RDL 146/6.6	051149.30N	1151906.59E
15.	BKLS A (IAF)	RDL 155/14.2	051123.76N	1152821.58E
16.	BOSDU	RDL 325/8.6	052426.60N	1151031.92E
17.	ARIMA	RDL 015/9.8	052652.60N	1151801.27E
18.	EMTUS	RDL 116/11.3	051223.15N	1152539.46E
19.	TUMSA	RDL 175/14.6	050244.56N	1151647.31E