

WMKL AD 2.1 AERODROME LOCATION INDICATOR AND NAME**WMKL - LANGKAWI INTERNATIONAL****WMKL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	LAT 062000N LONG 0994400E
2	Direction and distance from city	Dist 18 KM (9.7 NM) brg 274°fm Kuah (Dataran Lang)
3	Elevation / Reference temperature	8.84M / 31.89°C
4	Geoid Undulation (ARP)	-15.935 M
5	MAG VAR / Annual change	26 min 00 sec West (2012)
6	AD Administration, address, telephone, telefax, telex, AFS	Operator : Malaysia Airports Berhad (MAB) Langkawi International Airport 07100 Padang Matsirat Langkawi Kedah Darul Aman. Tel : 04 - 9551311 Fax : 04 - 9551314 ATC Services: Department of Civil Aviation Malaysia (DCA) Langkawi International Airport 07100 Padang Matsirat Langkawi Kedah Darul Aman. Tel : 04 - 9552191 Fax : 04 - 9552195 AFTN/AFS : WMKLZTZX
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	Nil

WMKL AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 - 1500UTC Daily.
2	Customs and immigration	Avbl during schedule flight and on request.
3	Health and sanitation	0000 - 0800
4	AIS Briefing Office	2300 - 1500
5	ATS Reporting Office (ARO)	2300 - 1500
6	MET Briefing Office	H24
7	ATS	2300 - 1500
8	Fuelling	PETRONAS : 2200 - 1400 daily. Avbl on req after 1400 (contact 04-9552001)
9	Handling	Malaysian Airlines : 2230 - 1500
10	Security	H24
11	De-icing	Nil
12	Remarks	Operations beyond 1500 required 8 hours prior notice to : MAB : 04-9551311 and DCA : 04-9552191

WMKL AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	Malaysian Airline.
2	Fuel / Oil types	JET A1, AVGAS (avbl only in drum).
3	Fuelling facilities / capacity	Refuelling by bowsers. 18,300 litres Jet A1 only (3 units)
4	De-icing facilities	Nil
5	Hanger space available for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

WMKL AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in town and resort by the beach.
2	Restaurants	Two outlet - local and western food.
3	Transportation	Taxi and Limousine.
4	Medical Facilities	Langkawi Hospital at Bukit Tekoh, 12 KM from Airport by road.
5	Bank and Pos Offices	Mayban Forex at the Airport and Post Office at Padang Matsirat 1 km from the Airport.
6	Tourist Office	In Kuah town.
7	Remarks	Nil

WMKL AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Required : CAT VIII (2005) Available : CAT VIII Trained personnel : 29 (9 per shift)
2	Rescue equipment	Type of Vehicle : a) Rapid Intervention Tender b) Ultra Large Foam Tender (3 units)
3	Capability for removal of disabled acft	Vendor list available.
4	Remarks	AFRS Availability CAT VIII fm 2300 - 1500 daily

WMKL AD 2.7 SEASONAL AVAILABILITY - CLEARING

NOT APPLICABLE

WMKL AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Concrete Strength : PCN 50/R/A/W/T
2	Taxiway width, surface and strength	Width : 23 M Surface : Asphalt Strength : PCN 56/F/B/X/T
3	ACL location and elevation	Location : Terminal Apron Elevation : 28 FT
4	VOR / NS checkpoint	VOR : Nil INS : Nil
5	Remarks	Turnpad approx 2439M fm Rwy 21 closed permanently and area marked X. Turnpad edge light eliminated.

WMKL 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	TWY holding psn, TWY centreline, nose-wheel guideline on parking bays.
2	RWY and TWY markings and LGT	RWY :Designation, TDZ, Centreline, THR, Edge and Rwy End as appropriate marked and lighted. TWY : Centreline, Holding Positions, at all Twy/Rwy intersections as appropriate marked and lighted.
3	Stop bars	Nil
4	Remarks	Turn Pad and marking RWY 21 to cater code C aircraft and below.

WMKL AD 2.10 AERODROME OBSTACLES

RWY / Area effected	Obstacles Type Elevation Markings / LGT	Coordinates
a	b	c
	Radar Antenna erected on hill, dist 1.53 KM, brg 079° fm airport, hgt 527 FT AMSL. Marked and lgted.	062019N 0994456E
	Hill Pulau Rebak , dist 6.63KM, brg 225° fm airport, hgt 472FT AMSL. not lgted.	-
	Hill Bukit Wang, dist 5KM, brg 160° fm airport, hgt 856FT AMSL, not lgted.	-
	Hill Pulau Rebak Kecil, dist 6.63KM, brg 210° fm airport, hgt 245FT AMSL, not lgted.	-
	Many coconut trees penetrating both left and right transitional surfaces are neither marked nor lgted.	-
	Presence of eagles on the rwy and grass area pilots to exer caution while take off and landing.	-
	Kite flying around the vcy of the airfield pilots to exercise caution at downwind, baseleg and finals.	-
	Telecom Twr erected at Kisap, hgt 250 FT AMSL.	062220.5N 0995147.6E
	Telecom Twr erected at Padang Lalang, hgt 160 FT AMSL.	062511.4N 0994808.6E
	Telecom Twr erected at Teluk Baru, hgt 80 FT AMSL.	061831.8N 0995155.6E
	Telecom Twr erected at Ulu Melaka, hgt 200 FT AMSL.	062227.5N 0994035.6E
	Telecom Twr erected at Kampung Kilim, hgt 200 FT AMSL.	062410.4N 0995116.6E
	Telecom Twr erected at Teluk Baru, hgt 200 FT AMSL.	061012.5N 0994411.6E

WMKL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	LANGKAWI INTERNATIONAL
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	KL International Airport Meteorological Office 24
4	Type of landing forecast Interval of issuance	METAR/SPECI Hourly
5	Briefing / consultataion 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	Langkawi Control Tower
10	Additional information	Tel : 04 - 9551277 Fax: 04 - 9554852

WMKL AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designation RWY NR	TRUE and MAG BRG	Dimension 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
03	034T	3810 x 45	PCN 77/F/C/W/T Asphalt	061933N 0994333E	6.54 M (21 FT)
21	214T	3810 x 45	PCN 77/F/C/W/T Asphalt	062038.45N 0994418.05E	8.84 M (29 FT)

Slope of RWY - SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strips Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.073 %	Nil	Nil	3930 x 300	Nil	Thr Rwy 03 displaced by 610 M (2000 FT)
0.073 %	Nil	Nil	3930 x 300	Nil	Coconut trees penetrate approach slope Rwy 21.

WMKL AD 2.13 DECLARED DISTANCES

RWY	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
03	Nil	Nil	Nil	3200 (10 500 FT)	Thr Rwy 03 displaced by 610M (2000FT). Marked and lgtd accordingly. RESA : 90 M X 90 M
21	3810 (12 500 FT)	3810 (12 500 FT)	3810 (12 500 FT)	Nil	RESA : 90 M X 90 M

WMKL 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
03	Cat. 1 Precision Approach Lighting System	Green	PAPI Slope 3°	Nil	Nil	White / Yellow	Red Green	Nil	Nil
21	Nil	Nil	Nil	Nil	Nil	Yellow / Red	Nil	Nil	Nil

WMKL AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN / IBN location, characteristics and hours of operation	On the roof of control tower emitting flashing green and white light.
2	LDI location and LGT Anemometer location and LGT	WDI for RWY 03 - hgt 6.6 M, dist 27 M before THR and 170 M left of RWY centreline. Lgtd at night. WDI for RWY 21- hgt 6.6 M, dist 60M after THR and left of RWY centreline. Lgtd at night. Anemometer not available.
3	TWY edge and centre line lighting	TWY Centreline Lights - Yellow. Green Lead-in / Lead-out Centreline Lights - Green.
4	Secondary power supply / switch-over time	Automatic standby generator and power avbl for airfield lighting and telecommunications.
5	Remarks	Hazard beacons emitting flashing red lights installed in the Approach, Take-off and Missed Approach Areas.

WMKL AD 2.16 HELICOPTER LANDING AREA

NIL

WMKL AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Langkawi CTR Fm 062959N 0991956E, a straight line to 060429N 0991956E, thence along an arc of a circle radius 30 NM centred on VPL VOR/DME (062119.5N 0994450.6E) to 055511N 0995132E thence along the Butterworth CTR bdry (an arc 40 NM radius centred on BTR (052818.7N 1002335.3E)) to 060029N 0995956E. Thence a straight line to the Kuala Lumpur / Bangkok FIR BDRY at 062610N 0995955E, thence along the Kuala Lumpur / Bangkok FIR BDRY to 062958N 0992856E followed by a straight line to 062958N 0991956E.
2	Vertical limits	Gnd / Sea Level to 10000 FT.
3	Airspace classification	C
4	ATS unit callsign Language(s)	Langkawi Approach English
5	Transition altitude	11, 000 FT
6	Remarks	Nil

WMKL AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	ID	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	LANGKAWI GROUND	121.8 MHZ	2300 - 1500	
TWR	LANGKAWI TOWER	118.5 MHZ 281.1 MHZ		-
APP	LANGKAWI APP	119.4 MHZ 257.8 MHZ 121.5MHZ # 243.0MHZ #		Radar service avbl between 0100 - 0900 # Emergency
ATIS	LANGKAWI TERMINAL INFORMATION	128.2 MHZ		-

WMKL 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/LLZ	ILK	110.7MHZ	H24	062048.5N 0994429.6E	-	15W.
GP/DME		330.2MHZ CH 44X		061924.5N 0994336.6E	-	DME located with GP GP - 3° slope. 5W / 200W.
DVOR/DME	VPL	114.1MHZ CH 88X		062119.4N 0994450.6E	-	50W / 200W.

WMKL AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Local Flying Restrictions

1.1 Langkawi Runway

1.1.1 Uni-directional runway in use due to hilly terrain :

- Take-off RWY 21
- Landing RWY 03

1.2 Flight Procedures

a) IFR Flights : Visual Departure RWY 03

ATC shall obtain the Pilot's concurrence for visual departure Rwy 03. If the Pilot concurs, the Pilot is responsible for terrain clearance until the acft reaches 4100 FT where IFR flight management takes over. ATC shall avoid giving to the Pilot "A maintain Rwy heading instruction" as the departure needs to make a right turn to avoid terrain.

b) VFR Flights : In the presence of strong wind by day only, with Pilot's request, ATC may permit departure Rwy 03 or landing Rwy 21.

1.3 Circling

1.3.1 Circling is prohibited except for Category 'A' and Category 'B' acft to west of airfield above 750 FT.

1.4 Circuit Pattern

1.4.1 Circuit Pattern

- RWY 03 Left-hand circuit
- RWY 21 Right-hand circuit

1.4.2 Circuit height : Heavy / Medium - 1500 FT
: Light acft - 1000 FT
: Ultralight - 800 FT
: Low level - 500 FT

- 1.5 Rock Blasting activities within 1 NM radius of 062500N 0994530E (500 M west of Kedah Cement Quarry). Pilots advised to avoid this area during period of activity.
- 1.6 Chimney flame discharge at irregular interval at 062510N 0994600E (Kedah Cement Quarry). Pilots to exercise caution.
- 1.7 Due to close proximity between Berjaya Resorts Helipad and cable car ops from Oriental Village (062220N 0994015E) to Gunung Machincang, helicopters landing Berjaya Resorts Helipad to approach from the sea and to depart heading towards the sea before setting course.

WMKL AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKL AD 2.22 FLIGHT PROCEDURES

NIL

WMKL AD 2.23 ADDITIONAL INFORMATION

NIL