

WMKA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WMKA - ALOR STAR/SULTAN ABDUL HALIM

WMKA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	LAT 061140.1N LONG 1002403.0E
2	Direction and distance from city	Dist 15 KM North-East
3	Elevation / Reference temperature	15 FT (4.6 M) / 26.6° C
4	Geoid Undulation (ARP)	-12.864 M
5	MAG VAR / Annual change	21 min 00 sec West (2012)
6	AD Administration, address, telephone, telefax, telex, AFS	<p>Operator: Malaysia Airports Sdn Bhd. Sultan Abdul Halim Airport 06550 Alor Star KEDAH DARUL AMAN. Tel : 604 - 7142994 / 7146876 Fax : 604 - 7145345</p> <p>ATC Services : Department of Civil Aviation Malaysia DCA Complex Sultan Abdul Halim Airport 06550 Alor Star KEDAH DARUL AMAN. Tel : 604 - 7145413 / 7145414 Fax: 604 - 7143970</p>
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	Nil

WMKA AD 2.3 OPERATIONAL HOURS

1	AD Administration	2230 - 1430 UTC Daily
2	Customs and immigration	Customs : 2200 - 1600 UTC Immigration : By prior arrangement
3	Health and sanitation	Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	2200 - 1600 UTC Daily
6	MET Briefing Office	H24
7	ATS	2200 - 1600 UTC Daily
8	Fuelling	Nil
9	Handling	Malaysia Airlines : 2200 - 1600
10	Security	H24
11	De-icing	Nil
12	Remarks	Ops beyond 1430 UTC to notify movements only, except for scheduled flights.

WMKA AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	Prior arrangement with Malaysia Airlines.
2	Fuel / Oil types	Nil
3	Fuelling facilities / capacity	Nil
4	De-icing facilities	Nil
5	Hanger space available for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

WMKA AD 2.5 PASSENGER FACILITIES

1	Hotels	In City.
2	Restaurants	Airport Terminal
3	Transportation	Limousine, Taxi and Bus services.
4	Medical facilities	Alor Star Hospital - 12 KM fm airport. Jitra Hospital - 8 KM fm airport.
5	Bank and Post Offices	In City
6	Tourist Office	In City.
7	Remarks	Nil

WMKA AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Required : CAT 9 Available : CAT 6 Trained personnel : 6 per shift (2 shift a day)
2	Rescue equipment	Type of Vehicle : a) Ultra Large Form Tender (2 units) b) Mini Rapid Intervention Vehicle (1 unit) c) Multi purpose vehicle (1 unit)
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

WMKA AD 2.7 SEASONAL AVAILABILITY - CLEARING

NOT APPLICABLE

WMKA AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	<p>Northern Apron Surface : Concrete Strength : PCN 41/R/C/W/T</p> <p>Southern Apron Surface : Concrete Strength : PCN 75/R/C/X/T</p>
2	Taxiway width, surface and strength	<p>Taxiway Alpha, Bravo, Charlie and Delta Width : 15 M Surface : Tarmac Strength : PCN 37/F/C/W/T</p> <p>Taxiway Echo and Foxtrot Width : 23 M Surface : Concrete Strength : PCN 41/R/C/W/T</p> <p>Taxiway Golf Width : Not Available Surface : Tarmac Strength : Unknown</p> <p>Taxiway Hotel and Juliet Width : 23 M Surface : Tarmac Strength : PCN 96/F/C/X/T</p> <p>Taxiway Kilo and Lima Width : 18 M Surface : Tarmac Strength : PCN 15/F/C/U Remarks: Taxiway Kilo and Lima restricted to aircraft type Cessna 550 Citation II and aircraft with maximum take-off weight (MTOW) below 7000KG.</p>
3	ACL location and elevation	Location : Southern Apron Elevation : 14 FT (4.16 M)
4	VOR / INS checkpoint	VOR: Nil INS: Nil
5	Remarks	Apron is restricted to CODE E A330. Taxiway 'G' Closed.

WMKA 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, taxiway centerline markings, holding point markings and apron parking guidelines. Visual docking and guidance system for Bay 1 & 2. Bay 3 taxi power in and power out. Nose wheel guidance lines for all parking bays.
2	RWY and TWY markings and LGT	Rwy: Designation, Threshold, Touchdown Zone and Aiming point for RWY 04 only , Centerline and Edge markings. Rwy high intensity edge lights, threshold lights, end lights, stopway lights and taxiway centerline lights. Taxiway: centerline, holding position, edge markings Taxiway edge and centerline lightings
3	Stop bars	Nil
4	Remarks	Nil

WMKA AD 2.10 AERODROME OBSTACLE

IN APCH / TKOF AREAS			IN CIRCLING AREA AND AT AD		3
1			2		
RWY / AREA Affected	TYPE ELEV Markings / LGT	Coordinates	TYPE ELEV Markings / LGT	Coordinates	
a	b	c	a	b	
04 APCH 22 TKOF			WDI-lighted 24.78 M/81.30 FT	06 11 03.5 N 100 23 30.3 E	
			Glide path aerial Red & White Red Obstruction Lights 16.7M / 55 FT	06 10 51.8 N 100 23 31.2 E	
			DVOR antenna 10.4M / 34 FT Lighted	06 11 08.4 N 100 23 49.2 E	
22 APCH 04 TKOF	LLZ antenna 3.04 M / 10 FT Red obstruction lights	06 12 04.8N 100 24 32.3 E	WDI-lighted 81.30 FT(24.78 M)	06 11 45.5 N 100 24 21.3 E	
	Hill - Bt. Tinggi 453 FT (138.07M) Red Obstruction lights	06 12 41.7 N 100 25 46.6 E	Hill - Bukit Pinang 290 FT(88.39 M) Not Lighted	06 11 39.1 N 100 26 15.1 E	
Elevation of Obstacles within 10 NM of ARP					
RWY / AREA Affected	Obstacles Type, Elevation, Marking / Lighting		Coordinates		
a	b		c		
	Telecom Tower 543 FT (165.50 M) Red Obstruction Lights		06 07 27.8 N, 100 22 03.2 E		
	Hill - Gunung Keriang 715 FT (217.92M) Not Lighted		06 11 15.1 N, 100 19 54.0 E		
	Hill - Bukit Tunjang 997 FT (303.87M) Not Lighted		06 18 03.6 N, 100 22 48.1 E		
	Hill - Bukit Payung 1414 FT (430.97M) Not Lighted		06 17 01.3 N, 100 28 36.4 E		
	Hill - Bukit Sapi 1200 FT (365.74M) Not Lighted		06 16 16.4 N, 100 28 00.9 E		
	Building - Arkib Negara 148 FT (45.11M) Red Obstruction Light		06 09 48.4 N, 100 22 12.4 E		
	Building - Mosque 100 FT (30.48M) Red Obstruction Lights		06 10 05.0 N, 100 22 13.0 E		

WMKA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	ALOR STAR / Sultan Abdul Halim
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 / 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	Alor Star Control Tower
10	Additional information	Tel : 604 - 7144212 Fax: 604 - 7144212

WMKA 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
04	042.5°T 042.6°M	2745 X 45	96/F/C/X/T Tarmac	061047.5N 1002321.9E	THR : 4.16 M (14.0 FT) TDZ : 4.05 M (13.0 FT)
22	222.5°T 222.6°M	2745 X 45	96/F/C/X/T Tarmac	061156.2N 1002424.5E	4.49 M (15.0 FT)

Slope of SWY - RWY	SWY Dimensions (M)	CWY Dimensions (M)	Strips Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.074 %	Nil	Nil	2925 X 300	Provided	RESA 90 X 90 M
0.008 %	60 X 45	Nil	2925 X 300	Nil	RESA 90 X 90 M

WMKA AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
04	NU	NU	NU	2745	Nil
22	2745	2745	2805	NU	Nil

WMKA 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
04	Precision approach Cat. 1 High Intensity White	Green	PAPI Slope 3°	Nil	Nil	White/ Yellow	Red	Nil	Nil
22	Nil	Nil	Nil	Nil	Nil	White/ Yellow	Red	Red	Nil

WMKA AD 2.15 OTHER LIGHTINGS, SECONDARY POWER SUPPLY

1	ABN / IBN location, characteristics and hours of operation	ABN at Control Tower roof. Flashing alternate green / white ON at night and during bad weather
2	LDI location and LGT Anemometer location and LGT	Not available Anemometer: Lighted wind-direction indicator (WDI) Rwy 04 : 428 M from THR on left : lighted Rwy 22 : 317 M from THR on left : lighted
3	TWY edge and centreline lighting	TWY 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 sec
5	Remarks	Nil

WMKA AD 2.16 HELICOPTER LANDING AREA

NIL

WMKA AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Alor Star CTR Area bounded by the northern boundary of Butterworth CTR and an arc of 20 NM centred at 061207N 1002425E including the area bounded by a straight line tangential to the arc of the circle at a point 063143N 1002155E to Kampung Mata Ayer 064008N 1001655E thence to Bukit Weh 062358N 1000755E.
2	Vertical limits	Gnd Level to 10000 FT Alt.
3	Airspace classification	C
4	ATS unit callsign Language(s)	Alor Star Tower English
5	Transition altitude	11 000 FT.
6	Remarks	Nil

WMKA AD 2.18 ATS COMMUNICATIONS FACILITIES

Service Designation	ID	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	ALOR STAR GROUND	121.6 MHZ	2200 - 1600	Nil
APP/TWR	ALOR STAR TOWER	122.3 MHZ 282.5 MHZ 121.5 MHZ		UHF reserved for Military use
TRAINING AREA	ALOR STAR TOWER	129.1 MHZ		Use while operating in the training areas in WMKA CTR
ATIS	ALOR STAR ATIS	128.65MHZ		

WMKA 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	IAS	111.7MHZ	H24	061204.8 N 1002432.3 E	-	ILS Reference Datum:50 FT. LLZ - 25 Watt
GP/DME	IAS	333.5 MHZ CH 54X	H24	061051.8 N 1002331.2E	-	GP - 5 Watt DME - 100 Watt
DVOR/DME	VAS	113.6 MHZ CH 83X	H24	061108.4 N 1002349.2 E	-	DVOR - 100 Watt DME - 100 Watt
NDB	AT	385 KHZ	H24	060933.1 N 1002217.6 E	-	045° Mag / 1.75 NM to RWY 04 80 Watt

WMKA AD 2.20 LOCAL TRAFFIC REGULATIONS

- Local Circuit Procedures -
Left Hand Rwy 04 1500 FT QNH or 1000 FT for light aircraft

WMKA AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKA AD 2.22 FLIGHTS PROCEDURES

Communication failure procedures as per AIP Malaysia ENR 1.6 - 3 Para 2.1.

WMKA AD 2.23 ADDITIONAL INFORMATION

1. Bird Concentration In the vicinity of the airport
 - 1.1 Presence of birds on runway and grass area. Pilots to exercise caution while landing and take-off.