

WMKE AD 2.1 AERODROME LOCATION INDICATOR AND NAME**WMKE - KERTEH****WMKE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

| | | |
|---|--|---|
| 1 | ARP coordinates and site at AD | LAT 043215N LONG 1032536E |
| 2 | Direction and distance from city | Dist 4.5 KM North-West. |
| 3 | Elevation / Reference temperature | 18 FT (5.5 M) / 31° C |
| 4 | Geoid Undulation (ARP) | +1.824 M |
| 5 | MAG VAR / Annual change | 01 min 00 sec East (2012) |
| 6 | AD Administration, address, telephone, telefax, telex, AFS | <p>Operator: PETRONAS Wilayah Pantai Timur Kerteh Airport 24300 Kerteh Terengganu Darul Iman. Tel : 09-8261566 Fax : 09-8261615</p> <p>ATC Services: Department of Civil Aviation Malaysia Kerteh Airport 24300 Kerteh Terengganu Darul Iman. Tel : 09 - 8262601 Fax : 09 - 8262501</p> |
| 7 | Types of traffic permitted (IFR/VFR) | IFR / VFR |
| 8 | Remarks | Nil |

WMKE AD 2.3 OPERATIONAL HOURS

| | | |
|----|----------------------------|---|
| 1 | AD Administration | 2245 - 1100 |
| 2 | Customs and immigration | Avbl on request basis. |
| 3 | Health and sanitation | Nil |
| 4 | AIS Briefing Office | Nil |
| 5 | ATS Reporting Office (ARO) | 2245 - 1100 |
| 6 | MET Briefing Office | H24 |
| 7 | ATS | 2245 - 1100 |
| 8 | Fuelling | 2245 - 1100 |
| 9 | Handling | Nil |
| 10 | Security | H24 |
| 11 | De-icing | Nil |
| 12 | Remarks | PPR fm Petronas for all acft landing at Kerteh. |

WMKE AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|--|-------------------------------|
| 1 | Cargo handling facilities | Nil |
| 2 | Fuel / Oil types | Fuel : Jet A1 |
| 3 | Fuelling facilities / capacity | Jet A1 460K Litres 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 |

WMKE AD 2.5 PASSENGER FACILITIES

| | | |
|---|-----------------------|---|
| 1 | Hotels | Beach Resorts at 8 NM North & South from the airport. |
| 2 | Restaurants | Airport Restaurant. |
| 3 | Transportation | Airport Taxi Services. |
| 4 | Medical facilities | Government & private clinic in town. |
| 5 | Bank and Post Offices | Avbl in town. |
| 6 | Tourist Office | Avbl at the airport. |
| 7 | Remarks | Nil |

WMKE AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|--|
| 1 | AD category for fire fighting | Required : CAT IV Available : CAT IV Trained personnel : 16 (8 per shift) |
| 2 | Rescue equipment | Type of vehicles : a) Rapid Intervention Tender (1 unit) b) Ambulance (1 unit) c) Large Foam Tender (2 units) |
| 3 | Capability for removal of disabled aircraft | Nil |
| 4 | Remarks | Nil |

WMKE AD 2.7 SEASONAL AVAILABILITY - CLEARING

NOT APPLICABLE

WMKE AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | |
|---|-------------------------------------|---|
| 1 | Apron surface and strength | Surface : Asphaltic concrete Strength : Lcn 20 |
| 2 | Taxiway width, surface and strength | Width : 30m Surface: Tarmac Strength : LCN 40 |
| 3 | ACL location and elevation | Location : Apron Elevation : 5.49 M |
| 4 | VOR / INS checkpoint | VOR : Avbl INS : Avbl |
| 5 | Remarks | Turning Pan at THR Rwy 34 |

WMKE 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 & RWY and at all Holding Positions. Guidelines at Apron and nose-in guideline at acft stands. |
| 2 | RWY and TWY markings and LGT | RWY : THR, TDZ, Centreline, RWY Edge & End marked or lgtd. TWY : Centreline, Holding Positions marked and lgtd. |
| 3 | Stop bars | Avbl for Twy 'B' |
| 4 | Remarks | Nil |

WMKE AD 2.10 AERODROME OBSTACLES

| RWY / Area effected | Obstacle Type Elevation Markings / LGT | Coordinates |
|---------------------|---|------------------|
| a | b | c |
| | ILS/LLZ Antenna Rwy 34, dist 140 M fm THR Rwy 16, hgt 2.85 M. | 043236N 1032524E |
| | GP/DME Antenna Rwy 34, hgt 15 M. | 043206N 1032542E |
| | Hill (Bukit Rambai Daun), brg 307.2°, dist 3.93 NM fm ARP, hgt 1175 FT. | 043436N 1032230E |
| | Hill (Bukit Mempusi), brg 201.7°, dist 2.25 NM fm ARP, hgt 1107 FT. | 043012N 1032454E |
| | Hill, brg 217.5°, dist 1.53 NM fm ARP, hgt 700 FT. | 043100N 1032448E |
| | Hill, brg 250.7°, dist 1.01 NM fm ARP, hgt 559 FT. | 043148N 1032448E |
| | Hill (Bukit G.Nibong), brg 278.6°, dist 0.95 NM fm ARP, hgt 346 FT. | 043224N 1032448E |
| | Hill (Bukit Labuhan), brg 104.7°, dist 2.29 NM fm ARP, hgt 1154 FT. | 043142N 1032754E |
| | Hill (Bukit Tiong), brg 102.6°, dist 1.14 NM fm ARP, hgt 313 FT. | 043200N 1032642E |
| | Hill (Bukit Lusi), brg 061.3°, dist 1.30 NM fm ARP, hgt 362 FT. | 043254N 1032642E |
| | Hill (Bukit Palus), brg 177°, dist 4.95 NM fm ARP, hgt 743 FT. | 042718N 1032554E |
| | Hill (Bukit Harimau Menangis), brg 179°, dist 7.38 NM fm ARP, hgt 630 FT. | 042442N 1032554E |
| | Hill (Bukit Kundur), brg 224°, dist 4.99 NM fm ARP, hgt 1852 FT. | 042836N 1032206E |
| | Hill (Bukit Patang), brg 244°, dist 9.17 NM fm ARP, hgt 2064 FT. | 042818N 1031724E |
| | Hill (Bukit Mandi Angin), brg 249°, dist 9.04 NM fm ARP, hgt 1981 FT. | 042854N 1031718E |
| | Hill (Bukit Maninjau), brg 281°, dist 8.34 NM fm ARP, hgt 1201 FT. | 043348N 1031730E |
| | Hill (Bukit Mak Budu), brg 348°, dist 5.30 NM fm ARP, hgt 647 FT. | 043730N 1032430E |
| | Hill (Bukit Bauk), brg 354°, dist 9.48 NM fm ARP, hgt 1550 FT. | 044148N 1032454E |
| | Telecom Twr, hgt 209 FT. | 042500N 1032554E |
| | Telecom Twr, hgt 219 FT. | 042542N 1032706E |
| | Telecom Twr, hgt 164 FT. | 042742N 1032630E |
| | Telecom Twr, hgt 164 FT. | 043712N 1032548E |
| | Telecom Twr, hgt 164 FT. | 043542N 1032648E |
| | Telecom Twr, hgt 164 FT. | 043048N 1032630E |
| | Telecom Twr, hgt 171 FT. | 043442N 1032718E |
| | Telecom Twr, hgt 171 FT. | 043736N 1032612E |
| | Telecom Twr, hgt 171 FT. | 043706N 1032548E |
| | Telecom Twr, hgt 157 FT. | 042054N 1032842E |
| | Telecom Twr, hgt 197 FT. | 042500N 1032554E |
| | Telecom Twr, hgt 164 FT. | 043448N 1032712E |
| | Telecom Twr, hgt 249 FT. | 043912N 1032218E |
| | Telecom Twr, hgt 98 FT. | 044218N 1032630E |
| | Telecom Twr, hgt 226 FT. | 042754N 1032630E |
| | Telecom Twr, hgt 213 FT. | 043654N 1032648E |
| | Telecom Twr, hgt 118 FT. | 043024N 1032642E |

| RWY / Area effected | Obstacle Type Elevation Markings / LGT | Coordinates |
|---------------------|--|------------------|
| a | b | c |
| | Telecom Twr, hgt 105 FT. | 043048N 1032648E |
| | Telecom Twr, hgt 112 FT. | 043024N 1032642E |
| | Telecom Twr, hgt 151 FT. | 043024N 1032642E |
| | Telecom Twr, hgt 157 FT. | 043454N 1032736E |
| | Telecom Twr, hgt 164 FT. | 043818N 1032548E |
| | Telecom Twr, hgt 197 FT. | 043718N 1032548E |
| | Telecom Twr, hgt 197 FT. | 043442N 1032648E |
| | Telecom Twr, hgt 102 FT. | 043448N 1032642E |
| | Telecom Twr, hgt 167 FT. | 043524N 1032654E |
| | Telecom Twr, hgt 200 FT. | 043518N 1032654E |
| | Telecom Twr, Lot 1667, Kerteh hgt 83.06M | 042800N 1032423E |
| | Telecom Twr, Lot 163, Kerteh hgt 61.59M. | 043225N 1032731E |
| | Telecom Twr, Lot 2402, Kerteh hgt 100.41M | 042434N 1032450E |
| | Telecom Twr, Lot 4328, Kemaman hgt 70.96M | 041900N 1032939E |
| | Telecom Twr, Lot 28, Dungun hgt 113.39M | 042435N 1031550E |
| | Telecom Twr, Lot 167, Paka hgt 47M | 043818N 1032616E |
| | Telecom Twr, Lot 164, Dungun hgt 50.64M | 044641N 1032526E |
| | Telecom Twr, Lot 8972, Kerteh hgt 86.72M | 043510N 1032656E |
| | Telecom Twr, Lot 3452, Kerteh hgt 35.77M | 043432N 1032654E |
| | Flare stacks with heat emission penetrated the limitation surfaces (conical) at Kerteh Petrochemical Complex and Santong/Paka Petrochemical Complex. Marked and lgttd. | - |
| | Pylons with high tension cable lines on top of western ridge. Not marked and lgttd. | - |

WMKE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|----|--|---|
| 1 | Associated MET Office | KERTEH |
| 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 breifing or consultation | Nil |
| 8 | Supplementary equipment available for providing information | Self-Briefing Terminals (Internet) |
| 9 | ATS units provided with information | Kerteh Control Tower |
| 10 | Additional information | Tel : +609 - 8261300 Fax: +609 - 8261301 |

WMKE 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 |
| 16 | 162° 32' 35" | 1362 x 30 | LCN 40 Tarmac | 043234.99N 1032529.67E | 5.5M (18FT) |
| 34 | 342° 32' 36" | 1362 x 30 | LCN 40 Tarmac | 043153.20N 1032542.77E | 5.5M (18FT) |

| Slope of SWY - RWY | SWY Dimensions (M) | CWY Dimensions (M) | Strips Dimensions (M) | OFZ | Remarks |
|-----------------------|-----------------------|-----------------------|--------------------------|-----|---|
| 7 | 8 | 9 | 10 | 11 | 12 |
| Nil | Nil | Nil | 1520 x 300 | Nil | Locked wheel turn is not allowed on the rwy. |
| Nil | 38 | Nil | 1520 x 300 | Nil | |

WMKE AD 2.13 DECLARED DISTANCES

| RWY Designator | TORA (M) | TODA (M) | ASDA (M) | LDA (M) | Remarks |
|-------------------|-------------|-------------|-------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 16 | 1362 | 1362 | 1362 | 1362 | Nil |
| 34 | 1362 | 1362 | 1400 | 1362 | Nil |

WMKE 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 |
| 16 | Nil | Green | PAPI Slope 3° | Nil | Nil | White 180ft Interval | Red | Nil | Nil |
| 34 | Precision Approach Lighting | Green | PAPI Slope 3° | Nil | Nil | White 180ft Interval | Red | Nil | Nil |

WMKE AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | |
|---|--|--|
| 1 | ABN/IBN location, characteristics and hours of operation | Nil |
| 2 | LDI location and LGT Anemometer location and LGT | Left side : 162 M fm THR Rwy 16 200 M fm THR Rwy 34 |
| 3 | TWY edge and centre line lighting | TWY edge light - Blue. Lead-in centreline lights - Green. |
| 4 | Secondary power supply / switch-over time | Avbl at 5 seconds by automatic stand-by generator . |
| 5 | Remarks | Turning pan edge light at Thr Rwy 34 - Blue. |

WMKE AD 2.16 HELICOPTER LANDING AREA

NIL

WMKE AD 2.17 ATS AIRSPACE

| | | |
|---|----------------------------------|---|
| 1 | Designation and lateral limits | Kerteh CTR An area within a circle of 10 NM radius centred on 043215N 1032536E (Kerteh ARP). Corridor East Airspace btn radials 059° and 090° 'VKE' DVOR/DME with 3 NM buffer on either side of both radials, extending fm East of Kerteh CTR to East of R102. |
| 2 | Vertical limits | Kerteh CTR : Gnd Level to 5500 FT. Corridor East : Gnd Level to 5500 FT. |
| 3 | Airspace classification | C |
| 4 | ATS unit callsign Language(s) | Kerteh Tower English |
| 5 | Transition altitude | 11 000 FT. |
| 6 | Remarks | Airspace over oil rig's helicopter operation area at 8000 ft and below is released by Kuala Lumpur FIC to Kerteh Tower on request and daily basis for the provision of Flight Information Service and Alerting Service. |

WMKE AD 2.18 ATS COMMUNICATION FACILITIES

| Service Designation | ID | Frequency | Hours of operation | Remarks |
|---------------------|--------------------|---------------------------------------|--------------------|------------|
| 1 | 2 | 3 | 4 | 5 |
| TWR/SMC | KERTEH GROUND | 121.8 MHZ *121.5 MHZ *243.0 MHZ | 2245 - 1100 | * Distress |
| TWR/APP | KERTEH TOWER | 123.3 MHZ 258.5 MHZ | | - |
| ATIS | KERTEH INFORMATION | 128.25 MHZ | | - |

WMKE 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/LZZ | IKE | 108.7 MHZ | H24 | 043239.6N 1032528.2E | Nil | Hgt of antenna 5.493M at 140M fm THR RWY 16 |
| GP/DME | - | 330.5 MHZ CH 24X | | 043203.8N 1032543.5E | Nil | Hgt of aerial 3.176M Glide Slope 3° |
| DVOR/DME | VKE | 117.1MHZ CH 118X | | 043254.2N 1032523.6E | Nil | 163° MAG / 0.31 NM fm THR RWY 16. Approach and holding facility. |

WMKE AD 2.20 LOCAL TRAFFIC REGULATIONS

- a) Helicopters departure to and from the offshore oil location 100 - 150 Nm due North North East and East.
- b) Off-shore flights are carried out at altitude between 500 FT and 6500 FT VMC or IMC.
- c) Night flying (local and off-shore) takes place frequently at irregular times.
- d) No lock-wheel turn on runway for aircraft type Fokker 50 and above. Aircraft to use turning pan.
- e) Aircraft to avoid flying over Kerteh and Paka integrated Petrochemical Complex below 2000ft.
- f) Western circuit applicable to fixed - wing aircraft in VMC by day at 1800ft.
- g) Eastern circuit applicable to rotor-wing aircraft in VMC at 1500ft.
- h) Visual approach flights for runway 16 to avoid Petrochemical Complex at Santong, Paka.

WMKE AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKE AD 2.22 FLIGHT PROCEDURES

| RADIAL/TRACK | NAVAID | DME CHECK POINT | MNM IFR ALTITUDE | AFTER Passing DME/VKE DESCEND to FT on QNH | REMARKS |
|------------------------|--------|-----------------|------------------|--|---|
| R-195 (WHISKEY 533) | VKE | Not Required | 5000 FT | 8 3600 | From VKE VOR make Standard Instrument Approach or as directed by ATC |

WMKE AD 2.23 ADDITIONAL INFORMATION**1. Bird Concentration In The Vicinity Of The Airport.**

- 1.1 Birds concentration on the rwy and in the vicinity of the airfield. Pilot to exercise caution while landing and take-off.