

TEL : 6-03-8529 1318  
 FAX : 6-03-8529 1310  
 Email : ais@caam.gov.my  
 Web : aip.caam.gov.my

**MALAYSIA**  
 CIVIL AVIATION AUTHORITY OF MALAYSIA  
 AERONAUTICAL INFORMATION SERVICES  
 LEVEL 2, WEST WING TERMINAL NORTH  
 JALAN CTA 3  
 KUALA LUMPUR INTERNATIONAL AIRPORT  
 64000 KLIA, SEPANG  
 SELANGOR DARUL EHSAN

**AIP SUP  
 36/2023**

Effective from 1 DEC 2023 to  
 31 DEC 2024  
 Published on 11 OCT 2023

**KOTA BHARU / SULTAN ISMAIL PETRA AIRPORT (WMKC)  
 UPGRADING WORKS**

(This AIP Supplement replaces AIRAC AIP Supplement 02/2022)

1. The following temporary changes concerning Kota Bharu Aerodrome (WMKC) will take place due to upgrading works from 01 DEC 2023 until 31 DEC 2024 EST. Upgrading works will be divided into 2 Phases. Phase 2A will take place from 01 DEC 2023 until 01 JUN 2024 EST. Phase 2B will take place from 02 JUN 2024 until 31 DEC 2024 EST.
2. During Phase 2A and Phase 2B, new Bay 6, Bay 7, Bay 8, Bay 9, Bay 10 and Bay 11/Bay 11A will be in operation. Bay 1, Bay 2, Bay 3, Bay 4 and Bay 5 will be closed for upgrading works.
3. During Phase 2A and Phase 2B, new Taxiway E (Extension), Apron Taxiway J, Taxiway L and Taxiway L1 will be in operation. During Phase 2A, Taxiway A will be closed for upgrading works and during Phase 2B, Taxiway B will be closed for upgrading works. Details of the taxiway closure will be mentioned in the remarks.

**WMKC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION/POSITIONS DATA**

1	Apron surface and strength	BAY 6, BAY 7, BAY 8, BAY 9, BAY 10, BAY 11, and BAY 11A Surface: Concrete (Rigid) Strength: PCN 67/R/B/X/T
2	Taxiway width, surface and strength	TWY A Width: 25 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T  TWY A1 Width: 18 M Surface: Asphalt (Flexible) Strength: PCN 58/F/B/X/T  TWY B Width: 26 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T  TWY D Width: 17 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T  TWY E Width: 18 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T

		<p>TWY E (EXT.) Width: 18 M Surface: Asphalt (Flexible) Strength: PCN 58/F/B/X/T</p> <p>TWY F Width: 14 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T</p> <p>TWY G Width: 21 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T</p> <p>TWY H Width: 13 M Surface: Asphalt (Flexible) Strength: PCN 51/F/A/W/T</p> <p>TWY L &amp; L1 Width: 18 M Surface: Asphalt (Flexible) Strength: PCN 58/F/B/X/T</p> <p>APRON TAXIWAY J Width: 18 M Surface: Concrete (Rigid) Strength: PCN 67/R/B/X/T</p>
5	Remarks	<p><b>PHASE 2A &amp; PHASE 2B</b> APRON BAY 1, 2, 3, 4, 5 U/S FM 20231201 TIL 20241231 EST NEW APRON BAY 6,7,8, 9, 10, 11/11A FM 20231201 TIL PERM TWY C U/S FM 20231201 TIL 20241231 EST</p> <p><b>PHASE 2A</b> TWY A &amp; A1 U/S FM 20231201 TIL 20240601 EST</p> <p><b>PHASE 2B</b> TWY B &amp; B1 U/S FM 20240602 TIL 20241231 EST TWY E (FM TWY B TO TWY C) U/S FM 20240602 TIL 20241231</p>

**WMKC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

4	Remarks	<p>TWY LGT TWY C U/S FM 20231201 TIL 20241231 EST Visual docking and guidance system for Bay 1, 2 &amp; 3 U/S FM 20231201 TIL 20241231 EST New visual docking and guidance system for Bay 6, 7 &amp; 8 FM 20231201 TIL PERM</p>
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**WMKC AD 2.10 AERODOME OBSTACLES (ADDITIONAL)**

<i>In Area 3</i>					
<b>OBST ID/ Designation</b>	<b>OBST type</b>	<b>OBST position</b>	<b>ELEV/HGT</b>	<b>Markings/ Type, colour</b>	<b>Remarks</b>
a	b	c	d	e	f
TC-4	Tower crane	061011.42N 1021732.61E	5.0/40.35 M	LGTD R	Crane jib reach 66 M  Obstacle in position FM 20231101 TIL 20241231 EST
TC-5	Tower crane	061012.09N 1021736.57E	5.0/33.03 M	LGTD R	Crane jib reach 65 M  Obstacle in position FM 20231101 TIL 20241231 EST
TC-6	Tower crane	061010.48N 1021734.61E	5.0/31.1 M	LGTD R	Crane jib reach 56 M  Obstacle in position FM 20231101 TIL 20241231 EST
TC-7	Tower crane	061008.18N 1021739.72E	4.5/31.1 M	LGTD R	Crane jib reach 50 M  Obstacle in position FM 20231101 TIL 20241231 EST

**WMKC AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

3	TWY edge and centre line lighting	<p><b>PHASE 2A &amp; PHASE 2B</b> TWY C EDGE &amp; CL LGT U/S FM 20231201 TIL 20241231 EST</p> <p><b>PHASE 2A</b> TWY A EDGE &amp; CL LGT U/S FM 20231201 TIL 20240601 EST</p> <p><b>PHASE 2B</b> TWY B EDGE &amp; CL LGT U/S FM 20240602 TIL 20241231 EST TWY E EDGE (FM TWY B TO TWY C) U/S FM 20241231</p>
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**WMKC AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

<b>Type of aid, MAG VAR, CAT of ILS/MLS (for VOR/ILS/MLS, give declination)</b>	<b>ID</b>	<b>Frequency</b>	<b>Hours of operation</b>	<b>Position of transmitting antenna coordinates</b>	<b>Elevation of DME transmitting antenna</b>	<b>Remarks</b>
1	2	3	4	5	6	7
VOR/DME	VKB	112.300 MHz	-	060948.42N 1021851.17E	40 FT	-

LOC	-	109.300 MHz	-	060950.90N 1021832.10E	-	Localizer Course Bearing: 279° 37' 20" T/ 279° 49' 55" M  U/S FM 20230602 TIL 20231231 EST
GP/DME	IKB	332.000 MHz CH 30X	-	061000.1N 1021714.6E	-	U/S FM 20230602 TIL 20231231 EST

**WMKC AD 2.20 LOCAL TRAFIC REGULATIONS (ADDITIONAL)**

**2. Taxiing to and from stands**

No aircraft movement is allowed at closed portions of apron taxiway, aircraft stand taxi lane, parking bays and taxiways.

The routes to be used by aircraft when taxiing into, on and out of the apron will be specified by ATC. The issuance of taxi route by ATC does not relieve the pilot-in-command of the responsibility to maintain separation with other aircraft on the movement area or to comply with ATC directions intended to regulate aircraft movement.

Pilots are advised to take note of the precautions on the presence of open excavation, workers, construction materials and construction equipment, particularly when taxiing adjacent to the apron and aircraft bays/stand while works within the cordoned/barricaded areas are in progress.

During Phase 2A & Phase 2B, new Bay 6, Bay 7 and Bay 8 shall operate for A20N/A21N, B738/B739 aircraft. New Bay 9 shall operate for A20N/A21N, B738/B739 and AT75/AT76 aircraft. New Bay 10 and Bay 11 shall operate for AT75/AT76 aircraft. All bays shall be Power-In Push-Back operation. Bay 11A shall operate for B738/B739 and Power-In Power-Out operation.

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4. Refer **APPENDIX A: Aircraft Parking/Docking Chart-ICAO (Phase 2A)** and **APPENDIX B: Aerodrome Ground Movement Chart-ICAO (Phase 2A)**, **APPENDIX C: Aircraft Parking/Docking Chart-ICAO (Phase 2B)** and **APPENDIX D: Aerodrome Ground Movement Chart-ICAO (Phase 2B)**, for additional information.
5. This AIP SUP supersedes **AIRAC AIP SUP 02/2022** dated 07 APR 2022 and will remain in force until the works are complete on **31 DEC 2024 EST**.

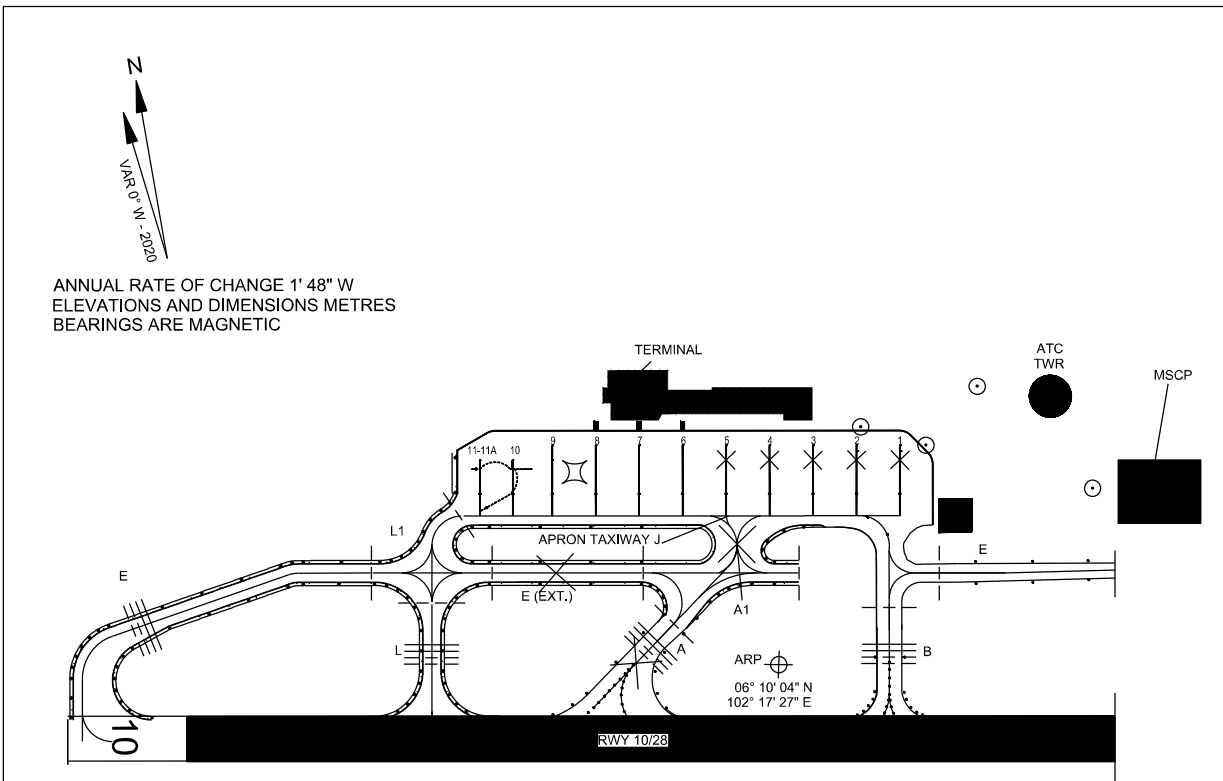
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**AIRCRAFT PARKING  
DOCKING CHART - ICAO  
PHASE 2A ( FM 20231201 TIL 20240601 EST )**

APRON ELEV  
5 M

TWR 122.5  
SMC 121.6  
ATIS 120.85 (P)  
130.3 (S)  
ATIS 128.85

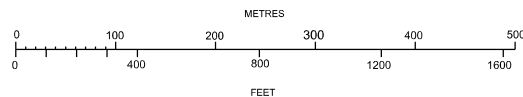
**KOTA BHARU/SULTAN  
ISMAIL PETRA AIRPORT**



ANNUAL RATE OF CHANGE 1' 48\"/>

- TAXIWAY B 26 M WIDE
- TAXIWAY D 17 M WIDE
- TAXIWAY E 18 M WIDE
- TAXIWAY E (EXT) 18 M WIDE
- TAXIWAY F 14 M WIDE
- TAXIWAY G 21 M WIDE
- TAXIWAY H 13 M WIDE
- TAXIWAY L 18 M WIDE
- TAXIWAY L1 18 M WIDE
- APRON TAXIWAY J 18 M WIDE

- BEARING STRENGTH TAXIWAYS B, E, D, F, G AND H PCN 51/F/A/W/T
- BEARING STRENGTH TAXIWAYS E (EXT), L AND L1 PCN 58/F/B/X/T
- BEARING STRENGTH APRON TAXIWAY J PCN 67/R/B/X/T



**AIRCRAFT PARKING/DOCKING STAND POSITION**

INS COORDINATES FOR AIRCRAFT STANDS	SURFACE & STRENGTH	AIRCRAFT TYPE
6 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
7 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
8 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
9 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739 , AT75/AT76
10 - -	PCN 67/R/B/X/T	AT75/AT76
11 - -	PCN 67/R/B/X/T	AT75/AT76
11A - -	PCN 67/R/B/X/T	B738/B739

LEGEND	
CONCRETE STRUCTURE	☒
AIRCRAFT STAND	5
TAXIWAY LIGHT	●
RUNWAY-HOLDING POSITION	≡≡≡
INTERMEDIATE HOLDING POSITION	-----
CLOSED MARKING	⊗
AERODROME OBSTACLE (TOWER CRANE)	⊙

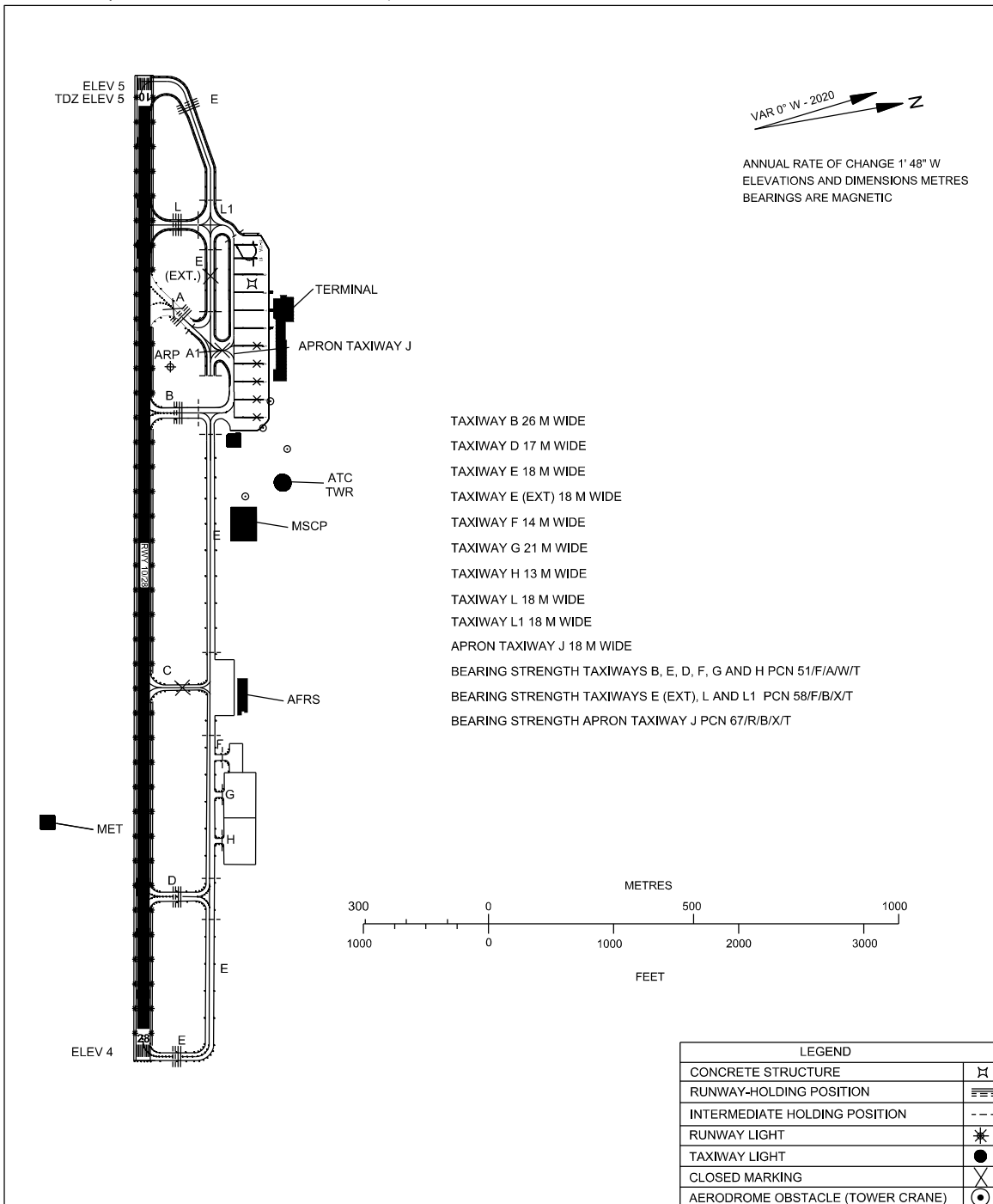
**CHANGES :** ADD INFO AT APRON ( BAY 1 TO BAY 11-11A ),  
 ADD INFO ON NEW TAXIWAY E (EXT), APRON TAXIWAY J, TAXIWAY L & TAXIWAY L1  
 CLOSED OPERATION FOR TAXIWAY A, TAXIWAY A1, TAXIWAY C & TAXIWAY E ( EXT. )  
 ADD INTERMEDIATE HOLDING POSITION MARKING AT TAXIWAY E ( EXT. ), TAXIWAY L, TAXIWAY L1, TAXIWAY A AND TAXIWAY B  
 ADD RUNWAY HOLDING POSITION MARKING AT TAXIWAY E (EXT.) AND TAXIWAY L

**AERODROME GROUND  
MOVEMENT CHART - ICAO  
PHASE 2A ( FM 20231201 TIL 20240601 EST )**

APRON ELEV  
5 M

TWR 122.5  
SMC 121.6  
ATIS 120.85 (P)  
130.3 (S)  
ATIS 128.85

**KOTA BHARU/SULTAN  
ISMAIL PETRA AIRPORT**



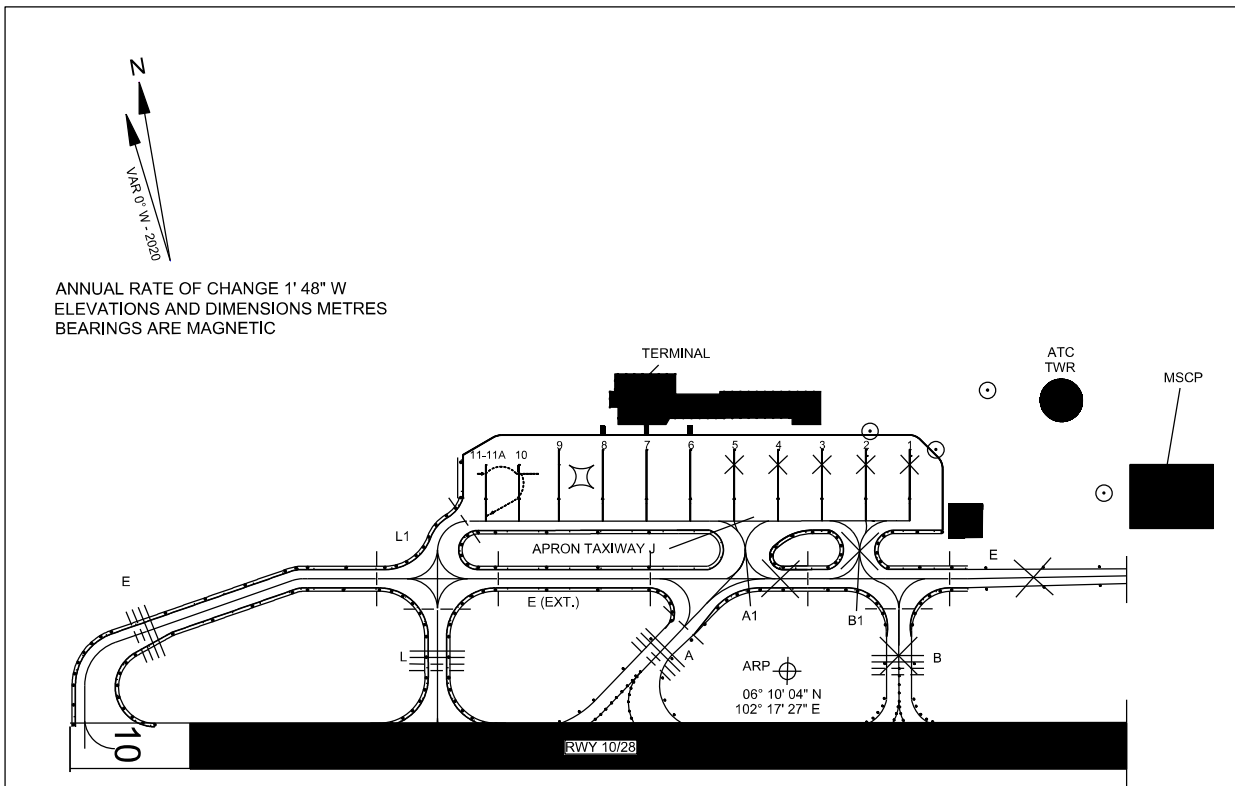
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ADD INTERMEDIATE HOLDING POSITION MARKING AT TAXIWAY E ( EXT. ), TAXIWAY L, TAXIWAY L1, TAXIWAY A AND TAXIWAY B  
ADD RUNWAY HOLDING POSITION MARKING AT TAXIWAY E (EXT.) AND TAXIWAY L

**AIRCRAFT PARKING  
DOCKING CHART - ICAO  
PHASE 2B ( FM 20240602 TIL 20241231 EST )**

APRON ELEV  
5 M

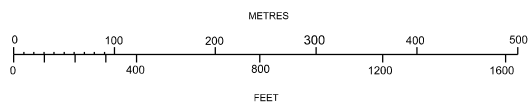
TWR 122.5  
SMC 121.6  
ATIS 120.85 (P)  
130.3 (S)  
ATIS 128.85

**KOTA BHARU/SULTAN  
ISMAL PETRA AIRPORT**



TAXIWAY A 25 M WIDE  
TAXIWAY A1 18 M WIDE  
TAXIWAY D 17 M WIDE  
TAXIWAY E 18 M WIDE  
TAXIWAY E (EXT) 18 M WIDE  
TAXIWAY F 14 M WIDE  
TAXIWAY G 21 M WIDE  
TAXIWAY H 13 M WIDE  
TAXIWAY L 18 M WIDE  
TAXIWAY L1 18 M WIDE  
APRON TAXIWAY J 18 M WIDE

BEARING STRENGTH TAXIWAYS A, B, E, D, F, G, AND H PCN 51/F/A/W/T  
BEARING STRENGTH TAXIWAYS E (EXT), L AND L1 PCN 58/F/B/X/T  
BEARING STRENGTH APRON TAXIWAY J PCN 67/R/B/X/T



**AIRCRAFT PARKING/DOCKING STAND POSITION**

INS COORDINATES FOR AIRCRAFT STANDS	SURFACE & STRENGTH	AIRCRAFT TYPE
6 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
7 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
8 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739
9 - -	PCN 67/R/B/X/T	A20N/A21N , B738/B739 , AT75/AT76
10 - -	PCN 67/R/B/X/T	AT75/AT76
11 - -	PCN 67/R/B/X/T	AT75/AT76
11A - -	PCN 67/R/B/X/T	B738/B739

LEGEND	
CONCRETE STRUCTURE	⊞
AIRCRAFT STAND	5
TAXIWAY LIGHT	●
RUNWAY-HOLDING POSITION	≡≡≡
INTERMEDIATE HOLDING POSITION	-----
CLOSED MARKING	⊗
AERODROME OBSTACLE (TOWER CRANE)	⊙

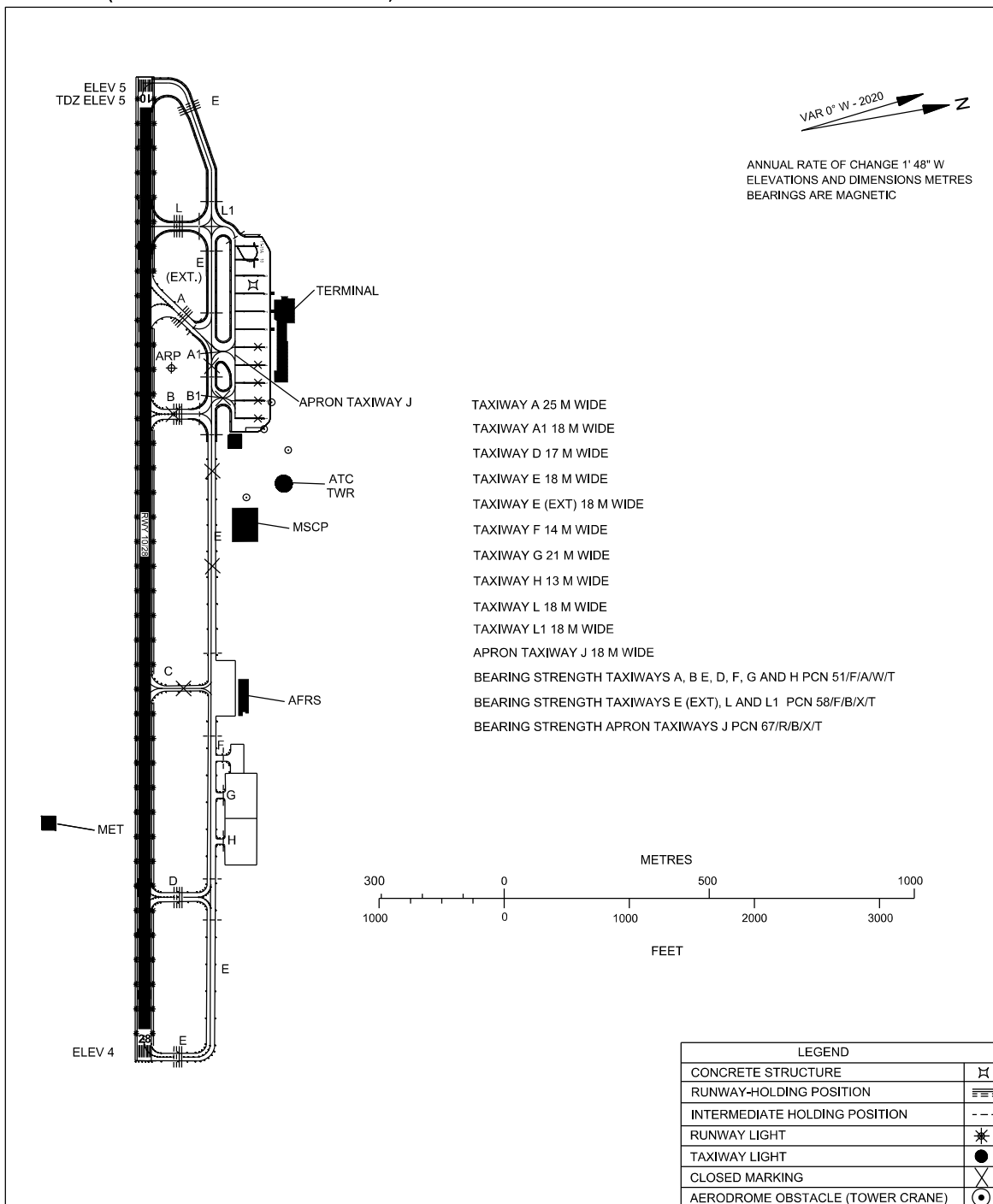
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CLOSED OPERATION FOR TAXIWAY A, TAXIWAY A1, TAXIWAY C & TAXIWAY E ( EXT. )  
ADD RUNWAY HOLDING POSITION MARKING AT TAXIWAY E (EXT.) AND TAXIWAY L  
ADD INTERMEDIATE HOLDING POSITION MARKING AT TAXIWAY E ( EXT. ), TAXIWAY L, TAXIWAY L1, TAXIWAY A AND TAXIWAY B

**AERODROME GROUND  
MOVEMENT CHART - ICAO  
PHASE 2B ( FM 20240602 TIL 20241231 EST )**

APRON ELEV  
5 M

TWR 122.5  
SMC 121.6  
ATIS 120.85 (P)  
130.3 (S)  
ATIS 128.85

**KOTA BHARU/SULTAN  
ISMAIL PETRA AIRPORT**



**CHANGES :** ADD INFO AT APRON ( BAY 1 TO BAY 11-11A ),  
ADD INFO ON NEW TAXIWAY E (EXT), APRON TAXIWAY J, TAXIWAY L & TAXIWAY L1  
CLOSED OPERATION FOR TAXIWAY A, TAXIWAY A1, TAXIWAY C & TAXIWAY E ( EXT. )  
ADD INTERMEDIATE HOLDING POSITION MARKING AT TAXIWAY E ( EXT. ), TAXIWAY L, TAXIWAY L1, TAXIWAY A AND TAXIWAY B  
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