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11 SEP

AIRAC

REALIGNMENT OF RNP10 RNAV ROUTES P628, L510 AND N571 IN KUALA LUMPUR FLIGHT INFORMATION REGION

1. INTRODUCTION

- 1.1 The purpose of this AIP Supplement is to inform operators of the realignment of RNP10 RNAV Routes P628, L510 and N571 with effect from 0000 UTC on 20 November 2008.
- 1.2 The realignment of these routes is to allow Air Traffic Flow Management (ATFM) westbound flights on P628 during the period of 1500UTC and 1900UTC at GIVAL and/or N571 during the period of 1530UTC and 1930UTC at VAMPI to be rerouted onto L510 when traffic congestion occurs on P628 and/or N571. These flights will have access to more optimum levels when established on L510.
- 1.3 Though the procedures above on P628 are similar to those in AIP Malaysia page ENR 3.3-1 (L510-column 6, note 2) these realigned routes will allow flights early access to more optimum levels.

(Note: A conditional route Y338 will be established from VAMPI on N571 to join LEKIR on L510 through an AIP Supplement).

2. REALIGNMENT OF RNAV RNP10 ROUTES AND NEW WAYPOINTS

- 2.1 Details of the route realignment and seven new waypoints applicable within Kuala Lumpur FIR are shown in Appendix A1 to A3 and Appendix B.
 - a) DUKUN (07° 38' 56" N 097° 31' 09" E)
 - b) MAPSO (08° 03' 30" N 097° 12' 56" E)
 - c) MINAT (08° 46' 18" N 096° 01' 31" E)
 - d) LEKIR (07° 16' 32" N 096° 52' 43" E)
 - e) IDKUT (08° 00' 17" N 095° 30' 17" E)
 - f) MEKAR (06° 30' 14" N 096° 29' 28" E)
 - g) NILAM (06° 45' 23" N 095° 58' 35" E)

2.2 The following waypoints will be deleted upon implementation of the realigned RNP10 Routes:

- (a) AGELO (08° 00' 07" N 095° 21'46" E)
- (b) RIPSO (07° 22' 04" N 097° 02'19" E)
- (c) DOVUM (06° 47' 35" N 096° 02'34" E)
- (d) IBALI (08° 39' 52" N 095° 51' 27" E)
- (e) OLSEL (08° 01' 55" N 096° 42'36" E)
- (f) UXARA (07° 32' 20" N 097° 20'11" E)

3. IMPLEMENTATION DATE

3.1 This AIP Supplement becomes effective at 0000UTC on 20 November 2008. A trigger NOTAM will be issued on 07 November 2008 notifying the effective date of implementation.

4. APPENDICES

4.1 Appendix A1 to A3: Lower and Upper Level of ATS routes.

4.2 Appendix B: Chart depicting ATS route structure.

5. CANCELLATION

5.1 This AIP Supplement will remain current until the information is published in AIP Malaysia.

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Director General

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ATS ROUTES

Route Designator Significant Points Coordinates	Track (MAG) DIST (NM)	Upper limits Lower limits Minimum Flight Altitude Airspace Classification (Refer to ENR 1.4-1)	Lateral Limits (NM)	Cruising levels		Remarks Controlling unit
				Odd	Even	
1	2	3	4	5		6
A327						
▲ RUSET (FIR BDRY) 074616N 0974257E	240° 060° 14 NM	FL 460 FL 245 MNM FL 250	50	↓		15 mins longitudinal separation. Lateral Limits : 25 NM either side of track. Controlling Authority : Kuala Lumpur ACC (P) 133.4 MHz, (S) 132.55 MHz
▲ DUKUN 073856N 0973109E	240° 060° 44 NM					
▲ LEKIR 071632N 0965243E	240° 060° 62 NM					
▲ NILAM 064532N 0955835E	240° 060° 21 NM					
▲ SANOB 063510N 0954009E	240° 060° 41 NM			↑		
▲ IGEBO 061409N 0950451E	240° 060° 28 NM					
▲ POVUS (FIR BDRY) 060000N 0943958E						
L645 (RNP 10)						
▲ SAPAM (FIR BDRY) 080434N 0973300E	267° 087° 20 NM	FL 460 FL 255 MNM FL 260	20	↑		Longitudinal Separation of 10 mins between RNAV equipped acft. applying Mach Number Technique. Controlling Authority : Kuala Lumpur ACC: (P) 133.4 MHz, (S) 132.55 MHz
▲ MAPSO 080330N 0971256E	267° 087° 102 NM					
▲ IDKUT 080017N 0953007E	267° 087° 65 NM			↓		
▲ SAMAK (FIR BDRY) 075842N 0942500E						

Changes : ATS Route A327 Ops levels restrictions eastbound and westbound removed

APPENDIX A - 2

Route Designator Significant Points Coordinates	Track (MAG) DIST (NM)	Upper limits	Lateral Limits (NM)	Cruising levels		Remarks Controlling unit
		Lower limits		Odd	Even	
1	2	3	4	5		6
L510 (RNP 10)						
▲ EMRAN 083430N 0942500E ▲ IDKUT 080017N 0953017E ▲ LEKIR 071632N 0965243E ▲ GIVAL 070000N 0980000E	298° 118° 73 NM	FL 460 FL 275	20	↓		Longitudinal separation of 10 mins btm RNAV equipped acft applying Mach Number Technique. Note1: Unidirectional Eastbound – 24 hrs, daily Note 2: When successive AFTM westbound flights flight planned on P628 arriving GIVAL between period 1500 and 1900UTC do not meet the required longitudinal separation requirements, some of these flights may be rerouted onto this ATS route by KL ACC to allow the allocation of more optimal flight levels Note 3: Operators should not flight plan westbound on L510. Controlling Authority: Kuala Lumpur ACC – 133.4 MHZ
	298° 118° 93 NM	MNM FL 280				
	284° 104° 69 NM	FL 460 FL 255				
		MNM FL 260				
N571 (RNP 10)						
▲ GUNIP 042953N 0993150E ▲ VAMPI 061056N 0973508E ▲ MEKAR 063014N 0962928E ▲ NILAM 064523N 0955836E ▲ IGOGU (FIR BDRY) 073101N 0942500E	311° 131° 154 NM	FL 460 FL 275 MNM FL 280	20	↓		Longitudinal Separation of 10 mins between RNAV equipped acft. applying Mach Number Technique. Uni-Directional Routing System (Refer ENR 1.9 - 5 and ENR 1.9-8) No Pre Departure Coordination (No PDC) arrangement : Flights departing from WMSA/WMKK/WSSS will be cleared to FL280. Succeeding acft cleared to same cruising level shall be provided at least 10 mins longitudinal separation with no closing speed. Additional longitudinal separation shall be provided by ATC for faster acft following the slower acft on the same route. Controlling Authority : Kuala Lumpur ACC (P) 133.4 MHz, (S) 132.55 MHz
	286° 106° 68 NM					
	296° 116° 34 NM					
	296° 116° 104 NM					

Route Designator Significant Points Coordinates	Track (MAG) DIST (NM)	Upper limits Lower limits		Lateral Limits (NM)	Cruising levels		Remarks Controlling unit
		Minimum Flight Altitude Airspace Classification (Refer to ENR 1.4-1)			Odd	Even	
1	2	3		4	5		6
P628 (RNP 10)							
▲ IGREX (WMFC/VOMF BDRY) 094328N 0942500E ▲ MINAT 084618N 0960131E ▲ MAPSO 080330N 0971256E ▲ DUKUN 073856N 0973109E ▲ GIVAL 070000N 0980000E ▲ LANGKAWI DVOR/DME (VPL) 062119.5N 0994450.6E	301°	$\frac{\text{FL 460}}{\text{FL 275}}$ MNM FL 280	20				Longitudinal Separation of 10 mins between RNAV equipped acft. applying Mach Number Technique. Note 1 : Unidirectional Westbound between GIVAL and IGREX - 24 hrs daily. Note 2 : Bi-directional between VPL and GIVAL - 24 hrs daily. Note 3: All westbound flights on P628 which are not subject to ATFM measures when transiting through KL FIR to destinations in South Asia, Middle East and Europe are required to file their FPL as follows: (1) FL360 or above for flights estimates IGREX btn 1600 and 1930 UTC. Flights which are unable to comply during these periods are advised to use an alternate route. Controlling Authority : Kuala Lumpur ACC (P) 133.4 MHz, (S) 132.55 MHz
	111 NM						
	301°						
	83 NM						
	324°						
	30 NM						
324°	$\frac{\text{FL 460}}{10\ 000\ \text{FT}\ \text{ALT}}$	20			↓ ↑		
49 NM							
290°							
110°							
111 NM							

P628 L510 N571 REALIGNMENT

