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# AIC

# MALAYSIA

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SELANGOR DARUL EHSAN  
MALAYSIA

**20 / 2002**  
**21 NOV**

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**KUALA LUMPUR FIR  
AIR NAVIGATION FACILITIES CHARGES (ANFC)  
REVISED CHARGEABLE DISTANCES**

**1. INTRODUCTION**

- 1.1 The purpose of this circular is to notify all operators regarding revised ANFC chargeable distances for flights operating within Kuala Lumpur FIR due to implementation of revised ATS Route Structure Asia to/from Europe/Middle East South of the Himalayas (EMARSSH PROJECT).

**2. DISTANCE CHARGEABLE**

- 2.1 The revised chargeable distances are as indicated in **ATTACHMENT 1 to ATTACHMENT 17**.

- a) Attachment 1 : Langkawi - Departures or Arrivals
- b) Attachment 2 : Alor Setar - Departures or Arrivals
- c) Attachment 3 : Penang - Departures or Arrivals
- d) Attachment 4 : Butterworth - Departures or Arrivals
- e) Attachment 5 : Ipoh - Departures or Arrivals
- f) Attachment 6 : KLIA Sepang - Departures or Arrivals
- g) Attachment 7 : Subang - Departures or Arrivals
- h) Attachment 8 : Simpang - Departures or Arrivals
- i) Attachment 9 : Malacca - Departures or Arrivals
- j) Attachment 10 : Johor Bahru - Departures or Arrivals
- k) Attachment 11 : Kota Bharu - Departures or Arrivals
- l) Attachment 12 : Kuala Terengganu - Departures or Arrivals
- m) Attachment 13 : Kuantan - Departures or Arrivals
- n) Attachment 14 : Kerteh - Departures or Arrivals
- o) Attachment 15 : Pulau Tioman - Departures or Arrivals
- p) Attachment 16 : Singapore - Departures or Arrivals
- q) Attachment 17 : Overflying Kuala Lumpur FIR

**3. IMPLEMENTATION DATE**

3.1 This AIC will become effective on 0200 UTC 28 November 2002.

**4. CANCELLATION**

4.1 This AIC will supersede AIC 11/2001 dated 18 October 2001 and remain current until it is incorporated in the appropriate document.

**DATO' IR KOK SOO CHON**  
**Director General**  
**Department of Civil Aviation**  
**Malaysia**

**ATTACHMENT 1**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
LANGKAWI - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	399
2	Kuala Terengganu	245
3	Subang	229
4	KLIA	256
5	Ipoh	140
6	Alor Setar	42
7	Penang	74
8	Malacca	299
9	Kota Bharu	207
10	Kuantan	266
11	Kerteh	274
	FLIGHTS - Entering or Leaving FIR	
12	FIR South or MASNI	401
13	DALAN	11
14	VENLI	243
15	ANOKO	393
16	IGREX	387

**ATTACHMENT 2**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
ALOR SETAR - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	370
2	Kuala Terengganu	169
3	Subang	210
4	KLIA	237
5	Ipoh	123
6	Penang	55
7	Malacca	280
8	Langkawi	42
9	Kota Bharu	116
10	Kuantan	241
11	Kerteh (DCT)	206
	FLIGHTS - Entering or Leaving FIR	
12	FIR South or MASNI	381
13	TAMOS or DUBAX	22
14	GOTLA	136
15	IGREX	427

**ATTACHMENT 3**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
PENANG - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	329
2	Malacca	229
3	Subang	157
4	KLIA	186
5	Ipoh	66
6	Alor Setar	55
7	Langkawi	74
8	Kuala Terengganu	171
9	Kota Bharu	133
10	Kuantan	202
11	Kerteh (DCT)	195
12	Butterworth	14
13	Taiping	35
	FLIGHTS - Entering or Leaving FIR	
14	FIR South or MASNI	330
15	DUBAX or TAMOS	77
16	ANOKO	319
17	DALAN	81
18	GOTLA	81
19	VENLI	169
20	KETOD (Via VBA)	307
21	IDSEL (Via VBA)	291
22	DCT PK – KETOD	267
23	DCT PK – IDSEL	252
24	IGOGU	423
25	IGREX	457

**ATTACHMENT 4**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
BUTTERWORTH - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	344
2	Malacca	239
3	Subang	168
4	KLIA	195
5	Ipoh	66
6	Langkawi	87
7	Penang	14
8	Kuantan	259
	FLIGHTS - Entering or Leaving FIR	
9	FIR South or MASNI	339
10	TAMOS or DUBAX	90
11	ANOKO	332
12	GOTLA	94
13	IGREX	471
14	IGOGU	437

**ATTACHMENT 5**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
IPOH - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	273
2	Malacca	181
3	Departure to Subang	91
4	Arrival from Subang	113
5	KLIA	140
6	Langkawi	140
7	Penang	66
8	Alor Setar	123
9	Taiping	29
10	Bidor	30
11	Sitiawan	32
12	Pantai Remis	24
13	Jenderata	41
14	Pulau Pangkor	38
15	Kuantan	138
16	Kerteh	140
17	Kuala Terengganu	131
18	Kota Bharu	120
	FLIGHTS - Entering or Leaving FIR	
19	FIR South or MASNI	284
20	TAMOS or DUBAX	127
21	KARMI	120
22	PUGER or FIR West	148

**ATTACHMENT 6**

KUALA LUMPUR FIR  
 AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
 KLIA SEPANG - DEPARTURES OR ARRIVALS

NR.	TO or FROM	CHARGEABLE DISTANCE (NM)
FLIGHTS - Within FIR		
1	Johor Bahru	147
2	Malacca	47
3	Subang	40
4	Ipoh	140
5	Penang	186
6	Alor Setar	237
7	Langkawi	256
8	Kuantan	111
9	Kerteh	159
10	Kuala Terengganu	181
11	Kota Bharu	212
12	Pulau Tioman	152
FLIGHTS - Entering or Leaving FIR		
13	FIR South or MASNI	148
14	TAMOS or DUBAX	259
15	KARMI	240
16	DALAN	263
17	ANOKO	433
18	PUGER	98
19	SALAX	34
20	VENLI	248
22	GOLUD or PASVA or KADAX	220
23	IKUKO	204
24	IDSEL	141
25	KETOD or KIBOL	167
26	DOVOL	137
27	BUVAL	134
28	TAXUL	143
29	PUGER - ANSAX - NOPEK	173
30	IGOGU	571
31	IGREX	639



**ATTACHMENT 7**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
SUBANG - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	198
2	Malacca	98
3	KLIA	40
4	Departure to Ipoh	113
5	Arrival from Ipoh	91
6	Penang	157
7	Alor Setar	210
8	Langkawi	229
9	Kuantan	126
10	Kerteh	171
11	Kuala Terengganu	173
12	Kota Bharu	198
13	Pulau Tioman	187
14	Pulau Pangkor	95
	FLIGHTS - Entering or Leaving FIR	
15	FIR South or MASNI	199
16	TAMOS or DUBAX	232
17	KARMI	211
18	DALAN	232
19	ANOKO	404
20	PUGER	64
22	SALAX	81
23	VENLI	234
24	GOLUD OR PASVA OR KADAX	213
25	IKOKU	209
26	IDSEL	161
27	KETOD	176
28	DOVOL	157
29	BUVAL	154
30	TAXUL	163
31	NOPEK	139
32	IGREX	610
33	IGOGU	508

**ATTACHMENT 8**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
SIMPANG - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	198
2	Malacca	98
3	KLIA	40
4	Departure to Ipoh	113
5	Arrival from Ipoh	91
6	Penang	157
7	Alor Setar	210
8	Langkawi	229
9	Kuantan	126
10	Kerteh	171
11	Kuala Terengganu	173
12	Kota Bharu	198
13	Pulau Tioman	187
14	Pulau Pangkor	95
	FLIGHTS - Entering or Leaving FIR	
15	FIR South or MASNI	199
16	TAMOS or DUBAX	232
17	KARMI	211
18	DALAN	232
19	ANOKO	404
20	PUGER	64
22	SALAX	81
23	VENLI	234
24	GOLUD OR PASVA OR KADAX	213
25	IKUKO	209
26	IDSEL	161
27	KETOD	176
28	DOVOL	157
29	BUVAL	154
30	TAXUL	163

**ATTACHMENT 9**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
MALACCA - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	101
2	Subang	98
3	KLIA	47
4	Ipoh	181
5	Penang	229
6	Alor Setar	280
7	Langkawi	299
8	Kuantan	154
9	Kerteh	202
10	Kuala Terengganu	224
11	Kota Bharu	255
12	Pulau Tioman	141
	FLIGHTS - Entering or Leaving FIR	
13	FIR South or MASNI	106
14	FIR West	32

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
JOHOR BAHRU - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Malacca	101
2	KLIA	147
3	Subang	198
4	Ipoh	273
5	Penang	329
6	Alor Setar	370
7	Langkawi	399
8	Kuantan	140
9	Kerteh	183
10	Kuala Terengganu	243
11	Kota Bharu	293
12	Pulau Tioman	90
	FLIGHTS - Entering or Leaving FIR	
13	FIR South or MASNI	31
14	TAMOS or DUBAX	391
15	KARMI	383
16	DALAN	405
17	ANOKO	573
18	Kuching Via FIR East	49
19	EGOLO	105
20	RAXIM	95
21	KIBOL	95
22	LENDA	99
23	IGREX	782
24	IGOGU	663

**ATTACHMENT 11**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
KOTA BHARU - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	293
2	Malacca	255
3	Subang	198
4	KLIA	212
5	Penang	133
6	Alor Setar (DCT)	116
7	Langkawi	207
8	Ipoh (DCT)	120
9	Kuantan	152
10	Kerteh	117
11	Kuala Terengganu	67
	FLIGHTS - Entering or Leaving FIR	
12	FIR South or PU	304
13	VENLI	36
14	GOLUD or KADAX	8
15	PASVA	16

**ATTACHMENT 12**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
KUALA TERENGGANU - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	243
2	Malacca	224
3	Subang	173
4	KLIA	181
5	Penang	171
6	Alor Setar (DCT)	169
7	Langkawi	245
8	Ipoh (DCT)	131
9	Kuantan	157
10	Kota Bharu	67
11	Kerteh	54
	FLIGHTS - Entering or Leaving FIR	
12	FIR South or PU	253
13	IKUKO	23
14	GOLUD or KADAX	75
15	PASVA	83

**ATTACHMENT 13**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
KUANTAN - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	140
2	Malacca	154
3	Subang	126
4	KLIA	111
5	Penang	202
6	Alor Setar (DCT)	241
7	Langkawi	266
8	Ipoh	138
9	Kerteh	48
10	Kuala Terengganu	157
11	Kota Bharu	152
12	Pulau Tioman	85
	FLIGHTS - Entering or Leaving FIR	
13	FIR South or PU	150
14	FIR East or IDSEL or KETOD	73

**ATTACHMENT 14**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
KERTEH - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	183
2	Malacca	202
3	Subang	171
4	KLIA	159
5	Langkawi	274
6	Penang	195
7	Alor Setar	206
8	Ipoh	140
9	Kuantan	48
10	Pulau Tioman	118
11	Kuala Terengganu	54
12	Kota Bharu	117



**ATTACHMENT 15**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
PULAU TIOMAN - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>TO or FROM</b>	<b>CHARGEABLE DISTANCE (NM)</b>
	FLIGHTS - Within FIR	
1	Johor Bahru	90
2	Malacca	141
3	Subang	187
4	KLIA	152
5	Kuantan	85
	FLIGHTS - Entering or Leaving FIR	
6	FIR South or PU	100

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
SINGAPORE - DEPARTURES OR ARRIVALS

<b>NR.</b>	<b>ENTRY or EXIT POINT</b>	<b>LANDING, EXIT or ENTRY POINT</b>	<b>CHARGEABLE DISTANCE (NM)</b>
1	FIR South or MASNI	Johor Bahru	31
2	FIR South or MASNI	Malacca	106
3	FIR South or MASNI	Subang	199
4	FIR South or MASNI	KLIA	148
5	FIR South or MASNI	Penang	330
6	FIR South or MASNI	Alor Setar	381
7	FIR South or MASNI	Langkawi	401
8	FIR South or MASNI	SALAX	145
9	FIR South or MASNI	ANOKO	577
10	FIR South or MASNI	DUBAX or TAMOS or KARMI	403
11	FIR South or MASNI	PUGER	242
12	FIR South or MASNI	DALAN	406
13	FIR South or PU	Pulau Tioman	100
14	FIR South or PU	Kuantan	150
15	FIR South or PU	Kota Bharu	304
16	FIR South or VTK or PU	GOLUD or KADAX	312
17	FIR South or VTK or PU	MANIM	110
18	FIR South or VTK or PU	KIBOL	105
19	FIR South or VTK or PU	EGOLO	115
20	FIR South or VTK or PU	RAXIM	105
21	FIR South or VTK or PU	LENDA	109
22	BONSU, SALAX	NOPEK	209
23	FIR South or MASNI	IGREX	783
24	FIR South or MASNI	IGOGU	675

**ATTACHMENT 17**

KUALA LUMPUR FIR  
AIR NAVIGATION FACILITY CHARGES - CHARGEABLE DISTANCES  
OVERFLYING KUALA LUMPUR FIR

<b>NR.</b>	<b>ENTRY or EXIT POINT</b>	<b>LANDING, EXIT or ENTRY POINT</b>	<b>CHARGEABLE DISTANCE (NM)</b>
1	RUSET	POVUS	210
2	SAMAK	SAPAM	186
3	ANSAX	NOPEK	75
4	PUGER	IDSEL	219
5	PUGER	KETOD	234
6	GOTLA	VENLI	251
7	BONSU	SALAX	134
8	KIBOL	ANOKO	590
9	IDSEL or KETOD	ANOKO	554
10	FIR South or MASNI	PUGER	242
11	FIR South or MASNI	DALAN	406
12	FIR South or PU	GOLUD or KADAX	312
13	FIR South or VTK or PU	MANIM	110
14	FIR South or VTK or PU	KIBOL	105
15	FIR South or VTK or PU	EGOLO	115
16	FIR South or VTK or PU	RAXIM	105
17	FIR South or VTK or PU	LENDAL	109