



دولة الامارات العربية المتحدة  
الهيئة العامة للطيران المدني  
UAE General Civil Aviation Authority

أبوظبي

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(46310 E 02575 A419 Ops approval to EY - 16 Dec 08)

دبي

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File: 46310/2575

Date: 16 December 2008

Capt. Christoph Schippel  
Etihad Airways  
P.O. Box 35566  
Abu Dhabi

Greetings,

### Airway A419

Greetings,

Reference is invited to your letter dated 15 December 2008, ref. GCAA/0400/CS as well as the briefing to operators on 14 December concerning operational approval to use the ADV – KITAP segment of airway A419.

We are pleased to confirm our operational approval for Etihad Airways to operate airway A419 in its entirety, subject to:

1. Pilots being assigned to fly the concerned sector are specifically briefed on the navigational requirements; and
2. Insertion of "P" in item 10 of the flight plan.

Any urgent questions may be addressed to my mobile number +971 50 818 7492.

Wishing a successful implementation of this new route segment, we remain,

Yours faithfully,

Hassan Karam  
Acting Director Air Navigation Services





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UAE General Civil Aviation Authority

# A419

## MIADA – KITAP – PURDA

### Briefing Package

#### Contents

Synopsis

PowerPoint presentation

UAE AIP Supplement 005/08 dated	24 Oct 08
UAE trigger NOTAM A0532/08 issued	25 Oct 08
Bahrain NOTAM A0516/08 issued	23 Nov 08
UAE CAAP 20 (P-RNAV approval)	01 May 04
JAA TGL 10 (P-RNAV approval)	01 Nov 00



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## Synopsis

Route re-aligned MIADA – ADV – MUSEN – GOLGU – KITAP

Open H24 from 18 Dec 08 00:01 UTC

Restricted to operators with:

P-RNAV operational approval **and**

GCAA ANS approval

Navigation infrastructure: GNSS and DME/DME

Must be flown on FMS with waypoints in database

Flight planning: Insert P in Item 10 of FPL

Cruising levels available: Westbound: FL300 + FL320

Eastbound All (in Emirates FIR)

Minimum levels apply (see AIP Supplement)

Communication: VHF 128.25

Eastbound to call 128.25 at least 5 mins. before KITAP

Surveillance: Coverage from UAE Centre (to beyond PURDA)

Special authorization: Director Air Navigation Services  
GCAA  
P.O. Box 6558  
Abu Dhabi

Tel.: 02 4054 501

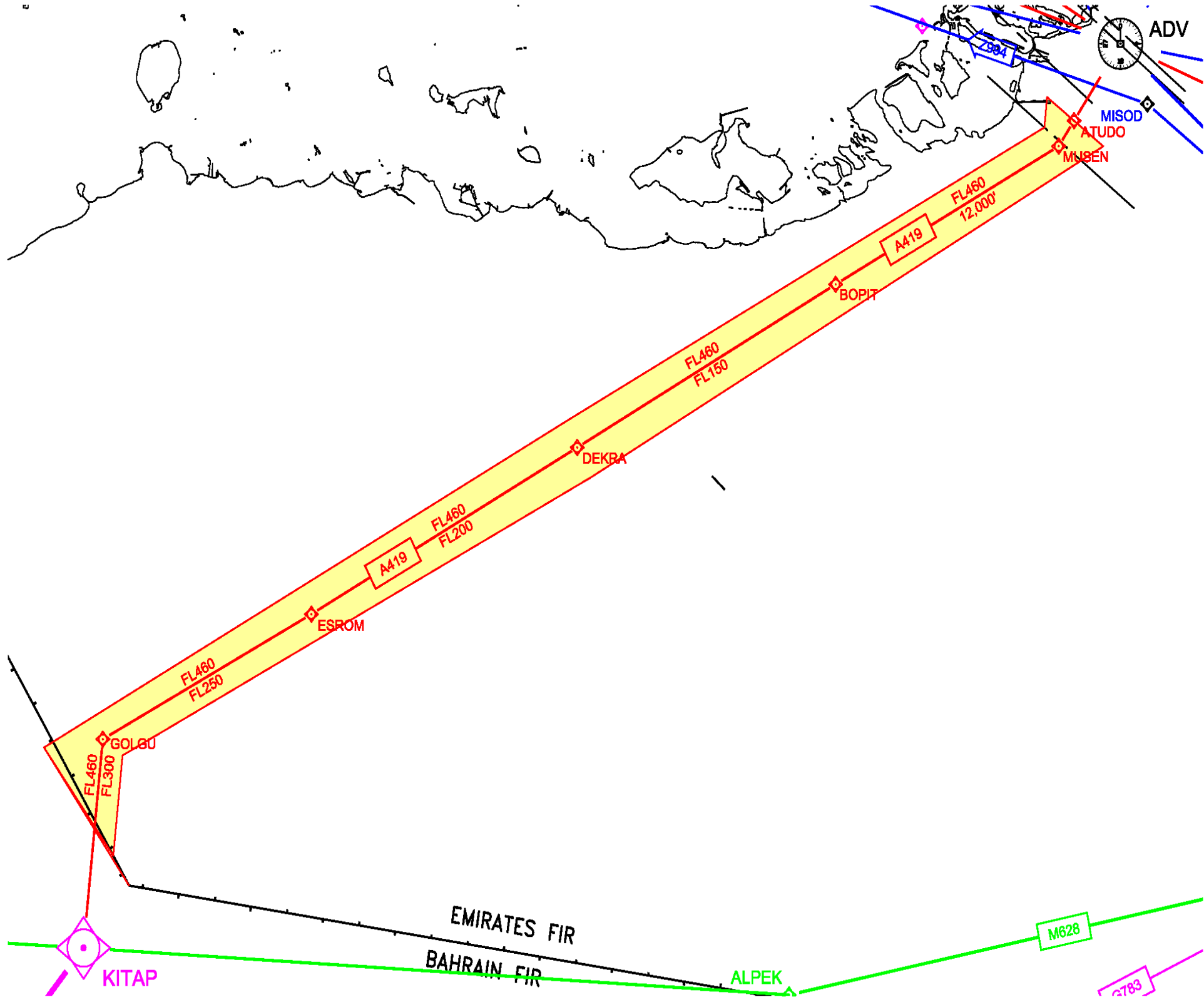
Emial: hkaram@gcaa.ae

A faint, light blue world map is visible in the background of the slide, showing the outlines of continents and major landmasses.

**A419**

**MIADA - KITAP**

**GCAA**



# Level Restrictions

- ◆ MIADA
  - Minimum FL150
- ◆ ATUDO
  - Minimum 12,000 ft
- ◆ BOPIT
  - Minimum FL150
- ◆ DEKRA
  - Minimum FL200
- ◆ ESROM
  - Minimum FL250

# Availability

- ◆ “Permanent” (24/7)
  - Impact on military training
  - Aligned with transit corridor
- ◆ *May* be closed for major exercises
  - 48 hours notice
- ◆ Trial period
  - 3 months

# Flight Planning

- ◆ Submission as per Annex 2
  - Minimum 30 before EOBT
  - Make sure it is transmitted
- ◆ Item 10
  - Insert “P”



# Nav Systems Required

- ◆ GNSS

- OK as primary means

- ◆ DME / DME

- ADV
  - DXB
  - ALN
  - BAT
  - DOH
  - ALD

# Airworthiness

- ◆ Same requirements as for P-RNAV
  - TGL-10
  - UAE CAAP 20
- ◆ Airworthiness Approval
  - P-RNAV or RNAV-1 or RNP-1
  - By State of the Operator
- ◆ Service Approval
  - Unblemished record

# Communication

- ◆ Call 128.25 (UAE South)
  - Minimum 5 mins. before KITAP
  - Recommend to call earlier
  - UAE ACC has VHF + Radar cover beyond PURDA
- ◆ Air defence issue
  - UAE ACC will notify ADOC

# Nav System Failure

- ◆ Before ATUDO / KITAP
  - Use G783 (is system OK for this route)
  - Or route via BAH
- ◆ After ATUDO / KITAP
  - Call UAE ACC immediately
  - Expect radar vectors until clear of OMR-54

# ATC Limitations

- ◆ Vectoring only in Emergency
  - Assistance if Nav system failure
  - Intruding aircraft
  - Must coordinate all deviations with AOC
- ◆ Only FL300 + FL320
  - Restrictions in Bahrain FIR
  - Eastbound: No restrictions

# Track Adherence Monitoring

- ◆ Required by Military
  - Each flight will be monitored
  - Periodic reporting to Military
- ◆ Required by ICAO
  - Part of PBN safety assurance
  - Basis for other PBN implementation
- ◆ FDR data availability
  - Lat/long + altitude + vertical speed
  - On-request basis

# Authorisation

◆ Director Air Navigation Services

GCAA

P.O. Box 6558

Abu Dhabi

Tel.: 02 4054 501

Email: [hkaram@gcaa.ae](mailto:hkaram@gcaa.ae)



# United Arab Emirates

General Civil Aviation Authority

## AIRAC AIP Supplement

**Supplement number 005/08**

**24 Oct 08**

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### Status of supplement items

Valid : 005/07, 007/07, 008/07 & 005/08

Incorporated in this supplement : Nil

Cancelled : Nil

Incorporated in AIP : Nil

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NOTAM cancelled by this AIP supplement : Nil

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### Record AIP Supplement in GEN 0.3

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**EFFECTIVE DATE: 18 December 2008**

#### 005/08 United Arab Emirates / ENR 3.1 - A419

ATS route A419 re-aligned as depicted on the attached ATS route table. The graphical excerpt of the route is also included in this Supplement.

A419 is designed as RNAV 1 route and only available to operators with special approval issued by GCAA Director Air Navigation Services.

Specific confirmation of aircraft capability is required for flights using RNAV 1 routes within Emirates FIR i.e. insert the letter P in item 10 of the FPL.

A419 may be closed during major military exercises with 48 hours notice.

Make following amendments in UAE AIP:



- i. Strike out page ENR 3-2.
- ii. Indicate re-aligned A419 on pages ENR 6-1 and 6-3.
- iii. Indicate above-mentioned FPL requirement in paragraph ENR 1.10.1.5.

**- END -**



**ENR 3.1****Lower ATS and Area navigation (RNAV) routes**

Route designator RNP Type Name of significant points Co-ordinates	Track MAG VOR RDL DIST (COP)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels		Remarks Controlling unit Frequency
			Odd	Even	
1	2	3	4		5
<b>A419</b> <b>RNP 5 / RNAV 1</b> <i>(Above 10,500 FT)</i>  △ MOBET 264516N 0560950E  ▲ FIR BDRY (DARAX) 260942N 0555300E  △ MAXMO 254308N 0554122E  △ SHARJAH VOR (SHR) 251945N 0553118E  △ ATBOR 251007N 0551947E  △ LUDER 245733N 0550511E					Southbound traffic: i) Contact Emirates ACC 10 minutes before DARAX. ii) Shall FPL to cross DARAX 8,000 FT or FL 200 and above. iii) Landing Northern Emirates shall FPL to cross DARAX at FL265 or below . iv) Landing OMAA, OMAD, OMAM shall FPL A419 ATBOR DCT ASROM G666.
	<u>200°</u> <u>020°</u> 28.5 NM	<u>UNL</u> FL 145 <b>A</b>			Transfer point between Tehran ACC and Emirates ACC
	<u>200°</u> <u>020°</u> 25 NM	<u>FL 145</u> 4,500 FT <b>C</b>			Northbound traffic: a) Shall FPL to cross DARAX 13,000 FT or above.  b) Departing Northern Emirates shall FPL to cross DARAX between 13,000 FT and FL190 both inclusive. c) Departing OMAA, OMAD, OMAM to join A419 shall flight plan L519 LUDER A419.
	<u>226°</u> <u>045°</u> 14.2 NM	<u>UNL</u> FL 145 <b>A</b>  <u>FL 145</u> 5,500 FT <b>C</b>			
	<u>225°</u> <u>045°</u> 18.2 NM	<u>UNL</u> FL 145 <b>A</b>			Controlled by Emirates ACC Frequency <u>132.15 MHZ</u> FL 265 <u>124.85 MHZ</u> South of MIADA 128.25 MHZ
	<u>226°</u> <u>046°</u> 9.4 NM	<u>FL 145</u> 4,500 FT <b>C</b>			Width below 10,500 FT DARAX - SHR 15 NM SHR - MIADA 10 NM

Route designator RNP Type Name of significant points Co-ordinates	Track MAG VOR RDL DIST (COP)	<u>Upper Limit</u> <u>Lower Limit</u> Airspace Classification	Direction of cruising levels		Remarks Controlling unit Frequency
			Odd	Even	
1	2	3	4		5
△ MIADA 245112N 0545736E	209° 029° 30.4 NM	<u>UNL</u> FL 145 A			Southbound traffic: i) Departing Northern Emirates shall cross MIADA above FL150 ii) Departing OMAA shall cross ATUDO above 12000 FT  RNAV 1 on segment ADV-KITAP
△ ADV 242508N 0544024E	213° 033° 9.6 NM	<u>FL 460</u> <u>FL 265</u> A			
△ ATUDO 241708N 0543432E	212° 032° 3.1 NM	<u>FL 460</u> <u>12000 FT</u> A			Special authorisation from GCAA DANS required for use of ATUDO - KITAP segment
△ MUSEN 241429N 0543236E	239° 059° 29.9 NM	<u>FL 460</u> <u>12000 FT</u> A			
△ BOPIT 235947N 0540404E	239° 059° 34.8 NM	<u>FL 460</u> <u>FL 150</u> A			
△ DEKRA 234220N 0533110E	238° 058° 35.7 NM	<u>FL 460</u> <u>FL 200</u> A			
△ ESROM 232424N 0525729E	239° 059° 27.7 NM	<u>FL 460</u> <u>FL 250</u> A			Northbound traffic: a) Contact Emirates ACC 5 minutes before KITAP b) Landing Northern Emirates shall cross MIADA at FL150
△ GOLGU 231051N 0523109E	183° 003° 21.4 NM	<u>FL 460</u> <u>FL 300</u> A			Only FL300 & FL330 available at KITAP
▲ FIR BDRY (KITAP) 224928N 0522923E					Transfer point between Emirates ACC and Bahrain ACC

Note: When holding is required traffic landing at OMDB or OMSJ can expect to hold at BUBIN or DESDI

