

## ENR 1.9 Air Traffic Flow Management (ATFM)

1.9.1. Short term congestion problems on some routes are resolved by allocation of departure slot times which may result in delaying engine start-up.

During short term congestion periods flow management is based on the overriding principle that levels will be allocated in such a manner that available capacity is utilised in the most efficient manner. To this end the provisions of Annex 11 para 2.2 c) shall take precedence over the provisions of Doc 4444 ATM para 5.6.i.e. In order to expedite traffic it is essential to make the most efficient use of available airspace. Consequently it may be necessary for an aircraft at cruising level to be issued with a revised clearance at a lower or if possible higher level.

1.9.2. Contingency plans - Slot times

- a. Contingency plans are activated when necessary due to traffic congestion.
- b. When contingency plans are in force, affected traffic departing UAE airports may be allocated a slot time at the time start-up clearance is issued.
- c. The Emirates ACC will co-ordinate the highest vacant level attainable by the transfer point. Pilots will be expected to request level change en-route from the next ACC, if required.
- d. The following conditions apply:
  - i. The slot time issued allows for a window of opportunity of five minutes period commencing 2.5 minutes before and finishing 2.5 minutes after the slot time allocated.
  - ii. Aircraft unable to make the slot within the period allocated shall be required to hold until an alternative slot time is available.

1.9.3. The following standard routings apply for traffic transiting the FIR:

Entry point	Route	Exit point
BUNDU	B415 ADV T777 KANIP N318	LABRI
BUNDU	B415 KUNGU Q415	TONVO (see Note 1)
BUNDU	B415 ADV N685	RETAS (see Note 8)
PATAT	Y911 VUTEG Y603 ITLAP R401 ANVIX L223	TARDI
	Y911 VUTEG Y603 ITLAP R401 GIDIS G783	TANSU
ITRAX	P899 ROVOS G462	TUMAK (see Note 11 and 14)
	P899 ROVOS G462 ITROK N571	ALPOB (see Note 12 and 14)
	P899 ROVOS G462 ALSOK P699	ORMID (see Note 13 and 14)
	P899	MEKMA
	P899 VEBAT Z994	BUNDU (see Note 9)
	P899 ADV N563 ITROK G462	TUMAK (see Note 11 and 15)
	P899 ADV N563	ALPOB (see Note 12 and 15)
	P899 ADV N563 ENABU P699	ORMID (see Note 13 and 15)
NAMLA	N300	TONVO (see Note 4)
	N300 DEMRA DCT LUDER M318	GABKO (see Note 4)
	N300 BOXAK L310	LALDO (see Note 4)
	N300 BOXAK L310 SIGBO DCT LUDER M318 SERSA M677	LALDO (see Note 10)
LALDO	P634 ATBOR M557	TUMAK (see Notes 3 and 11)
	P634 ATBOR N571	ALPOB (see Notes 3 and 12)
	P634 ATBOR P699	ORMID (see Notes 3 and 13)
	M677 TUKLA P574	KUMUN
	P634 ATBOR P699 KISAG M430	TOSNA
RESAR	N318	LABRI
	N318 KANIP L440	RETAS (see Note 8)
ORSIS	N685	RETAS (see Note 8)
	N685 ADV T777 KANIP N318	LABRI
LUDID	UM628	ALPEK

Entry point	Route	Exit point
MENSA	N571 ATBOR M557	TUMAK (see Note 11)
	N571	ALPOB (see Note 12)
	N571 ATBOR P699	ORMID (see Note 13)
	N571 AVAMI P574	KUMUN
	N571 ATBOR P699 KISAG M430	TOSNA
MUSAP	R401 AVAMI P574	KUMUN
	R401	GABKO
ORSAR	R784 SERSA P307	TONVO (see Note 6)
	R784 SERSA M677	LALDO (see Note 6)
	R784 MUTVI L223	TARDI (see Note 6)
SIR	L223 RAGOL M677 SERSA P307	TONVO
	L223 RAGOL M677	LALDO
	L223	TARDI
SODEX	N563	ALPOB (see Note 12)
	N563 ITROK G462	TUMAK (see Note 11)
	N563 ENABU P699	ORMID (see Note 13)
	N563 NOBTO Z994 VEBAT P899	MEKMA
	Z994	BUNDU (See note 9)
SOLUD	P574 AVAMI N571 ATBOR M557	TUMAK (see Notes 1 and 11)
	P574 AVAMI N571	ALPOB (see Notes 1 and 12)
	P574 AVAMI N571 ATBOR P699	ORMID (see Notes 1 and 13)
	P574 AVAMI R401	GABKO
	P574	KUMUN
DEGSO	M677 SERSA M318	GABKO
	M677 SERSA P307	TONVO
	M677	LALDO
	M677 RAGOL L223	TARDI
TOMSO	P559 DESDI M677 SERSA M318	GABKO
	P559 DESDI M677	LALDO
	P559 DESDI M677 SERSA P307	TONVO
	P559 DESDI M677 RAGOL L223	TARDI

## Notes

Note 1: Traffic shall cross KUNGU FL 230 or above and GOGMI FL 270 or above.

Note 3: For traffic above FL 255.

Note 4: Traffic departing Doha to exit Muscat FIR south of PARAR shall FPL route BUNDU B415 ADV T777 KANIP N318 LABRI

Note 6: FL310 and all odd levels above available via ORSAR for UAE overflyers

Note 8: OOMS landing traffic only.

Note 9: Conditions apply - see OBBB AIP.

Note 10: For traffic FL 255 and below.

Note 11: For traffic to OBBB FIR via MIDSJ, SOLEM & IVONI to OIIX, OKAC and ORBB FIRs.

Note 12: For traffic to OEJD FIR via COPPI & BPN and destinations OERK & OEJN.

Note 13: For traffic with destinations OBBI, OBBS, OBKH, OEDF and OEDR.

Note 14: Traffic shall reach FL 230 or above by ROVOS

Note 15: For traffic with requested FL 220 or below.

## 1.9.4. The following standard routings apply for traffic departing UAE airports:

Departure airport	Destination	Route / Exit point
OMAL	OOMM FIR & beyond, except OOMS landing traffic	DCT LABRI N318
	OOMS landing traffic	DCT RETAS N685
	OBBB FIR via MIDSI, SOLEM & IVONI to OIIX, OKAC and ORBB FIRs	P899 ROVOS G462 TUMAK
	OEJD FIR via COPPI & BPN and destinations OERK & OEJN	P899 ROVOS G462 ITROK N571 ALPOB
	OBBI, OBBS, OBKH, OEDF and OEDR	P899 ROVOS G462 ALSOK P699 ORMID
	Doha TMA	P899 MEKMA
	OEJD FIR and beyond overflying KIA	P899 VEBAT Z994 BUNDU (see Note 1)
	OISS, OIII & destinations beyond	P899 ADV L519 KUMUN
	OIKB & destinations beyond	P899 ADV L519 LUDER M318 GABKO
	OYSC FIR, OEJD FIR (ALTN RTE)	DCT ELUDA G783 TANSU (see Note 4)
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	P899 ADV M318 KITAP (see Note 3)
OMAA & OMAD	OOMM FIR & beyond, except OOMS landing traffic	N318 LABRI
	OOMS landing traffic	KANIP L440 RETAS N685
	OYSC FIR, OEJD FIR (ALTN RTE)	N318 KANIP DCT ELUDA G783 TANSU (see Note 4)
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	M318 KITAP (see Note 3)
	OBBB FIR via MIDSI, SOLEM & IVONI to OIIX, OKAC and ORBB FIRs	DCT NIBAX G462 TUMAK
	OEJD FIR via COPPI & BPN and destinations OERK & OEJN	DCT NIBAX G462 ITROK N571 ALPOB
	OBBI, OBBS, OBKH, OEDF and OEDR	DCT NIBAX G462 ALSOK P699 ORMID
	Doha TMA	P899 MEKMA
	OEJD FIR and beyond overflying KIA	P899 VEBAT Z994 BUNDU (see Note 1)
	OISS, OIII & destinations beyond	L519 KUMUN
	OIKB & beyond	L519 LUDER M318 GABKO
	OIBK	DCT NIBAX DCT OBRID DCT NOKMA DCT ORSAR
	OMDB, OMDW & OMSJ	OPKR FIR & beyond
OPKR FIR & beyond (ALTN RTE)		RIKET M428 GOMTA (see Note 5)
OOMS & SE		ANVIX L223 TARDI
OYSC FIR, OEJD FIR (ALTN RTE)		ANVIX R401 GIDIS G783 TANSU
OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)		MIADA M318 KITAP
Doha TMA		SITAT P699 KISAG M430 TOSNA
OBBB FIR via MIDSI, SOLEM & IVONI to OIIX, OKAC & ORBB FIRs		NADIL M557 TUMAK (see Note 5)
OEJD FIR via COPPI & BPN and destinations OERK & OEJN		MUVLA N571 (see Note 5)
OBBI, OBBS, OBKH, OEDF and OEDR		SITAT P699 ORMID (see Note 6)
OISS, OIII & beyond		KUMUN
OIBK		NADIL M557 OBRID DCT NOKMA DCT ORSAR
OIKB & beyond		DAVMO Y601 GABKO

Departure airport	Destination	Route / Exit point
OMFJ	OOMM FIR & destinations beyond	TONVO
	OYSC FIR, OEJD FIR (ALTN RTE)	ALN G783 TANSU
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	SERSA M318 KITAP
	Doha TMA	SERSA M318 ATBOR P699 KISAG M430 TOSNA
	OBBS FIR via MIDSI, SOLEM & IVONI to OIIX, OKAC & ORBB FIRs	SERSA M318 ATBOR M557 TUMAK (see Note 5)
	OEJD FIR via COPPI & BPN and destinations OERK & OEJN	SERSA M318 ATBOR N571 ALPOB (see Note 5)
	OBBI, OBBS, OBKH, OEDF and OEDR	SERSA M318 ATBOR P699 ORMID (see Note 6)
	OIIX FIR & beyond	EMOPI DCT GABKO
OMRK	OPKR & beyond	DCT NADNI M677 LALDO
	OPKR & beyond (ALTN RTE)	DCT NADNI DCT RIKET M428 GOMTA (see Note 5)
	OOMS or exiting OOMM FIR via TOTOX, REXOD, LOTAV, KITAL	DCT NADNI DCT AVAMI R401 ANVIX L223 TARDI
	OYSC FIR, OEJD FIR (ALTN RTE)	DCT NADNI DCT AVAMI R401 GIDIS G783 TANSU
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	DCT SERSA M318 KITAP
	Doha TMA	DCT SITAT P699 KISAG M430 TOSNA
	OBBS FIR via MIDSI, SOLEM & IVONI to OIIX, OKAC & ORBB FIRs	DCT NADIL M557 TUMAK
	OEJD FIR via COPPI & BPN and destinations OERK & OEJN	DCT MUVLA N571 ALPOB (see Note 5)
	OBBI, OBBS, OBKH, OEDF and OEDF	DCT SITAT P699 ORMID (see Note 6)
	OISS, OIII & beyond	DCT KUMUN
OIIX FIR & beyond	DCT GABKO	
Notes:		
<i>Note 1: Conditions apply - see OBBS AIP.</i>		
<i>Note 3: Non - RNAV 1 certified aircraft or aircraft unable to reach FL 300 by KITAP shall FPL via G783 or N318.</i>		
<i>Note 4: Aircraft unable to reach FL 200 by ELUDA and / or FL 300 by TANSU shall FPL N318 LABRI.</i>		
<i>Note 5: RNAV 1 certified aircraft.</i>		
<i>Note 6: Non - RNAV 1 certified aircraft.</i>		

1.9.5. The following standard routings apply for traffic arriving at UAE international airports.

Arrival airport	From	Entry point / Route
<i>Note * : Conditions apply - see OBBS AIP</i>		
OMAL	OOMS & E of OOMM FIR	ITRAX P899
	OOSA & SE of OOMM FIR	SODEX DCT ALN
	OYSC FIR, OEJD FIR (ALTN RTE)	TANSU G783
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	KITAP M318 ADV N318 KANIP DCT ALN
	Doha TMA	NAMLA N300 BOXAK N685 ADV T777 KANIP DCT ALN
	OBBI & N & W of OBBS FIR	RESAR N318 XAKUM Q666 BOXAK N685 ADV T777 KANIP DCT ALN ORSIS N685 ADV T777 KANIP DCT ALN
	OERY (ALTN RTE)	BUNDU B415 LAGMI Q666 KIPOD N300 BOXAK N685 ADV T777 KANIP DCT ALN
	OISS, OIII & points beyond	ORSAR G666 ADV T777 KANIP DCT ALN
	OIKB & points beyond	PATAT Y911 TANGA G666 ADV T777 KANIP DCT ALN
OMAA & OMAD	OOMS & points to E of OOMM FIR	ITRAX P899 ROVOS
	OOSA & points to SE of OOMM FIR	SODEX N563 NOBTO
	OYSC FIR, OEJD FIR (ALTN RTE)	TANSU G783 ELUDA ALN P899 ROVOS
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	KITAP M318 ATUDO
	Doha TMA	NAMLA N300 BOXAK
	OBBI & N & W of OBBS FIR	ORSIS N685 BOXAK RESAR N318 XAKUM Q666 BOXAK
	OERY (ALTN RTE)	BUNDU B415 LAGMI Q666 KIPOD N300 BOXAK
	OISS, OIII & beyond	ORSAR G666 TANGA
	OIKB & points beyond	PATAT Y911 TANGA
	OIBK	ORSAR DCT BOXAK
	OMDB & OMDW	OOMS & NE of OOMM FIR
OOMS & SE of OOMM FIR		TAPRA M762 BUBIN
OOSA & S of OOMM FIR		MUSAP R401 GIDIS G783 BUBIN
OYSC FIR, OEJD FIR (ALTN RTE)		TANSU G783 BUBIN
OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)		KITAP M318 MIADA
OERY (ALTN RTE) OEJN (ALTN RTE)		ALPEK UM628 RIGIL G783 BUBIN
Doha TMA		ENANO L305 ITITA M677 DESDI
OBBI & N & W of OBBS FIR		DEGSO M677 DESDI TOMSO P559 DESDI
OIBK, OISS, OIII & beyond		ORSAR B416 DESDI
OIKB & beyond		PATAT Y911 VUTEG Y603 PUVAL
OMFJ	OOMS & E of OOMM FIR	MENSA T509 FJV
	OOSA & SE of OOMM FIR	MUSAP R401 GIDIS DCT FJV
	OYSC FIR, OEJD FIR (ALTN RTE)	TANSU G783 GIDIS DCT FJV
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	KITAP M318 SERSA DCT FJV
	Doha TMA	ENANO L305 ITITA M677 DESDI DCT EMOPI DCT KUSEN DCT FJV
	OBBI & N & W of OBBS FIR	DEGSO M677 DESDI DCT EMOPI DCT KUSEN DCT FJV TOMSO P559 DESDI DCT EMOPI DCT KUSEN DCT FJV
	OISS, OIII & beyond	ORSAR R784 DESDI DCT EMOPI DCT KUSEN DCT FJV
	OIKB & points beyond	PATAT DCT EMOPI DCT KUSEN DCT FJV

Arrival airport	From	Entry point / Route
OMRK	OOMS & NE of OOMM FIR	PASOV B540 KUPMA T891 ELELA DCT SERSA DCT RAV
	OOMS & SE of OOMM FIR	TAPRA M762 BUBIN DCT ELELA DCT SERSA DCT RAV
	OOSA & S of OOMM FIR	MUSAP R401 GIDIS G783 BUBIN DCT ELELA DCT SERSA DCT RAV
	OYSC FIR, OEJD FIR (ALTN RTE)	TANSU G783 BUBIN DCT ELELA DCT SERSA DCT RAV
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	KITAP M318 SERSA DCT RAV
	Doha TMA	ENANO L305 ITITA Q412 ALRAR DCT SERSA DCT RAV
	OBBI & N & W of OBBI FIR	DEGSO M677 ITITA Q412 ALRAR DCT SERSA DCT RAV
		TOMSO P559 DESDI T976 ALRAR DCT SERSA DCT RAV
	OIBK, OISS, OIII & beyond	ORSAR B416 PEBAT DCT TATLA Q412 ALRAR DCT SERSA DCT RAV
	OIKB & beyond	# PATAT Y911 VUTEG DCT IMTEN DCT RAV
# Note: Cross 15 DME N of RAV 9000 FT or below		
OMSJ	OOMS & E of OOMM FIR	PASOV B540 KUPMA T891 ELELA
	OOSA & S of OOMM FIR	MUSAP R401 GIDIS G783 BUBIN DCT ELELA
	OYSC FIR, OEJD FIR (ALTN RTE)	TANSU G783 BUBIN DCT ELELA
	OYSC FIR (ALTN RTE), OEJD FIR (ALTN RTE)	KITAP M318 MIADA
	OERY (ALTN RTE) OEJN (ALTN RTE)	ALPEK UM628 RIGIL G783 BUBIN DCT ELELA
	Doha TMA	ENANO L305 ITITA Q412 ALRAR
	OBBI & N & W of OBBI FIR	DEGSO M677 ITITA Q412 ALRAR
		TOMSO P559 DESDI T976 ALRAR
	OIBK, OISS, OIII & beyond	ORSAR B416 PEBAT DCT TATLA Q412 ALRAR
	OIKB & beyond	PATAT Y911 VUTEG Y603 PUVAL

1.9.6. Traffic between ABU DHABI / INTERNATIONAL and AL AIN / INTERNATIONAL airports shall:

- a. From ABU DHABI / INTERNATIONAL to AL AIN / INTERNATIONAL airport flight plan DCT KANIP at 9,000 FT or below.

*Note: Prior KANIP traffic can expect routing via ROVOS.*

- b. From AL AIN / INTERNATIONAL to ABU DHABI / INTERNATIONAL airport flight plan DCT ROVOS at 8,000 FT or below.

*Note: Prior ROVOS traffic can expect STAR for OMAA.*

1.9.7. Traffic routing between ABU DHABI / INTERNATIONAL and DUBAI / INTERNATIONAL or DUBAI / AL MAKTOUM INTERNATIONAL or SHARJAH / INTERNATIONAL airports in either direction shall flight plan DCT MIADA at 10,000 FT or below.

1.9.8. Traffic departing airports within EMIRATES FIR with destinations within BAHRAIN FIR shall flight plan at FL 260 or below.

1.9.9. Traffic departing airports within BAHRAIN FIR with destinations within EMIRATES FIR shall flight plan at FL 250 or below.

1.9.10. Traffic departing from OBBI, OBBS, OEDF, OEDR and airports within Doha TMA with destination OOMS shall flight plan maximum FL 330.