



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



XG Quick Views



ATC Guide



Contents

ATC Guide	1
Welcome	3
Revisions	4
International Airports	5
ATC Communications Frequencies	6
FIRs Overview:	
1. Bahrain FIR overview	7
2. Emirates FIR overview	8
3. Oman FIR overview	9
4. Kuwait FIR overview.....	10
Airports:	
1. Dubai OMDB	11
2. Sharjah OMSJ.....	12
3. Al Maktoum OMDW	13
4. Abu Dhabi OMAA.....	14
5. Al Ain OMAL	15
6. Fujairah OMFJ	16
7. Ras Al Kahaimah OMRK	17
8. Bahrain OBBI.....	18
9. Doha Hamad OTHH	19
10. Doha OTBD	20
11. Muscat OOMS.....	21
12. Salalah OOSA.....	22
13. Kuwait OKBK.....	23



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



Welcome

Hello and a very warm welcome from the IVAO-XG ATC Operations Department to all XG-Members, GCA holders and of course all remaining IVAO members!

Since we started the renewal of our website (www.xg.ivao.aero), I decided to overhaul the ATC Quick View as it was outdated and not the most efficient.

The new layout enables controllers to control more efficiently as it easier to read, making the desired information quicker to find. The new Quick View also contains more information than the previous one.

We hope that you find this Quick View better and more useful than the old one.



Revisions

Date	Revision	FIR	Airport	Content
05JAN19	1.0	All	All	First release
09.02.21	1.1	All	All	Quick view of all main airports
30.07.21	1.2	All	All	Quick view of all main airports
29.11.21	1.3	All	All	Quick view of all main airports



International Airports

No.	Airport Name	ICAO-ID	IATA-ID
1	Dubai International Airport	OMDB	DXB
2	Sharjah International Airport	OMSJ	SUJ
3	Al Maktoum International Airport	OMDW	DWC
4	Abu Dhabi International Airport	OMAA	AUH
5	Al Ain International Airport	OMAL	ANN
6	Fujairah International Airport	OMFJ	FJR
7	Ras Khaimah International Airport	OMRK	RKT
8	Bahrain International Airport	OBBI	BAH
9	Hamad International Airport	OTHH	DOH
10	Doha International Airport	OTBD	DIA
11	Muscat International Airport	OOMS	MCT
12	Salalah International Airport	OOSA	SLL
13	Kuwait International Airport	OKBK	KWI



ATC Communications Frequencies

Callsign	Name	Frequency	Callsign	Name	Frequency
OMDB_DEL	Dubai Delivery	120.350 MHz	OBBI_GND	Bahrain Ground	121.850 MHz
OMDB_N_GND	Dubai Ground	121.650 MHz	OBBI_TWR	Bahrain Tower	118.500 MHz
OMDB_S_GND*	Dubai Ground	118.350 MHz	OBBI_APP	Bahrain Approach	127.850 MHz
OMDB_N_TWR	Dubai Tower	118.750 MHz	OBBI_DEP	Bahrain Departure	119.100 MHz
OMDB_S_TWR*	Dubai Tower	119.550 MHz	OTHH_DEL	Hamad Delivery	120.875 MHz
OMDB_F_APP**	Dubai Director	127.900 MHz	OTHH_E_GND	Hamad East Ground	120.225 MHz
OMDB_APP	Dubai Arrivals	124.900 MHz	OTHH_W_GND*	Hamad West Ground	118.650 MHz
OMDB_N_DEP**	Dubai Departures	126.200 MHz	OTHH_E_TWR*	Hamad East Tower	118.525 MHz
OMDB_S_DEP**	Dubai Departures	121.025 MHz	OTHH_W_TWR	Hamad West Tower	118.025 MHz
OMSJ_GND	Sharjah Ground	121.875 MHz	OTBD_GND	Doha Ground	121.925 MHz
OMSJ_TWR	Sharjah Tower	118.600 MHz	OTBD_TWR	Doha Tower	118.900 MHz
OMDW_GND	Al Maktoum Ground	118.375 MHz	OTHH_APP*	Doha Approach	119.725 MHz
OMDW_TWR	Al Maktoum Tower	118.625 MHz	OTHH_F_APP	Doha Director	119.400 MHz
OMAA_DEL	Abu Dhabi Delivery	125.100 MHz	OTHH_R_APP*	Doha Radar	121.100 MHz
OMAA_S_GND*	Abu Dhabi Ground	123.975 MHz	OTHH_WR_APP**	Doha West Radar	121.100 MHz
OMAA_N_GND	Abu Dhabi Ground	121.950 MHz	OTHH_ER_APP**	Doha East Radar	120.675 MHz
OMAA_S_TWR*	Abu Dhabi Tower	119.200 MHz	OBBI_CTR	Bahrain Radar	127.525 MHz
OMAA_N_TWR	Abu Dhabi Tower	118.675 MHz	OOMS_DEL	Muscat Delivery	125.575 MHz
OMAA_APP	Abu Dhabi Radar	132.675 MHz	OOMS_GND	Muscat Ground	121.800 MHz
OMAA_C_APP**	Abu Dhabi Radar	124.400 MHz	OOMS_TWR	Muscat Tower	118.825 MHz
OMAA_N_APP**	Abu Dhabi Radar	135.150 MHz	OOMS_APP	Muscat Radar	121.200 MHz
OMAA_E_APP**	Abu Dhabi Radar	133.550 MHz	OOSA_GND	Salalah Ground	124.025 MHz
OMAA_W_APP**	Abu Dhabi Radar	128.100 MHz	OOSA_TWR	Salalah Tower	118.200 MHz
OMAA_FS_APP**	Abu Dhabi Director	118.000 MHz	OOSA_APP	Salalah Radar	119.100 MHz
OMAA_FN_APP**	Abu Dhabi Director	118.425 MHz	OOMM_CTR	Muscat Control	124.700 MHz
OMAL_GND	Al Ain Ground	129.150 MHz	OKBK_DEL	Kuwait Delivery	126.775 MHz
OMAL_TWR	Al Ain Tower	119.850 MHz	OKBK_GND	Kuwait Ground	121.700 MHz
OMAA_E_APP**	Abu Dhabi Radar	133.550 MHz	OKBK_TWR	Kuwait Tower	118.300 MHz
OMFJ_GND	Fujairah Ground	119.450 MHz	OKBK_APP	Kuwait Approach	124.800 MHz
OMFJ_TWR	Fujairah Tower	124.600 MHz	OKAC_CTR	Kuwait Rader	125.300 MHz
OMFJ_APP	Fujairah Approach	129.400 MHz			
OMRK_GND	Ras Al Khaimah Ground	121.750 MHz			
OMRK_TWR	Ras Al Khaimah Tower	118.250 MHz			
OMRK_APP	Ras Al Khaimah Approach	124.000 MHz			
OMAE_CTR	UAE Radar	120.900 MHz			



Bahrain FIR overview

Bahrain FIR/UIR

Info Bahrain FIR/UIR covering flights from lower boundaries up to UNL.

Special:

Doha Airspace covered from FL245 to UNL.

The FIR is adjacent to:

- **Kuwait OKAC in north-west direction.**
- **Tehran OIIX in northern to north-west direction.**
- **Jeddah OEJD in south to south-east direction.**
- **Emirates OMAE in eastern direction.**





Emirates FIR overview

Emirates FIR/UIR

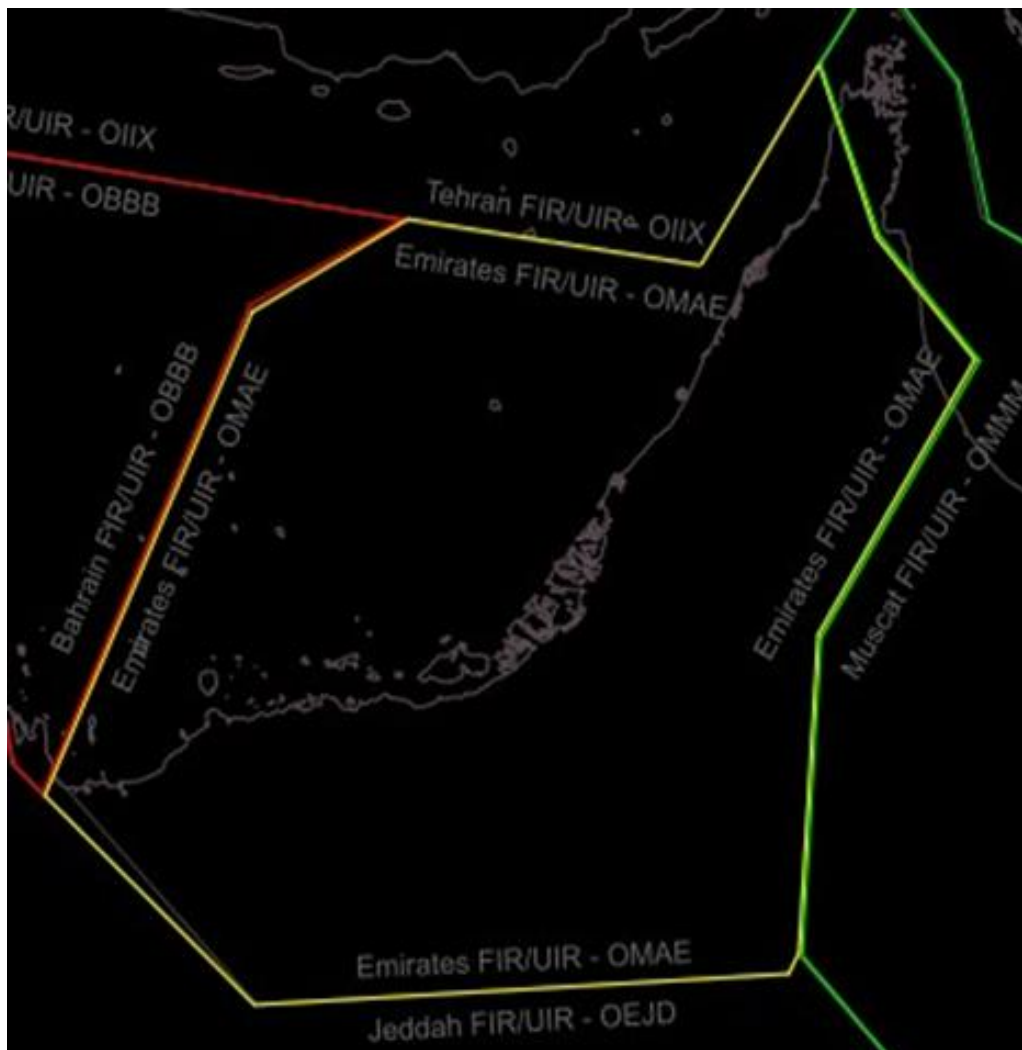
Info Emirates FIR/UIR covering flights from lower boundaries up to UNL.

Special:

Attention must give to the compilation of Airports in near vicinity to each other. e.g., Dubai, Sharjah, Al-Maktoum (DXB TMA).

The FIR is adjacent to:

- Bahrain OBBB in western direction.
- Tehran OIIX in northern direction.
- Muscat OMMM in eastern direction.
- Jeddah OEJD in southern direction.





Oman FIR overview

Emirates FIR/UIR

Info Muscat FIR/UIR covering flights from lower boundaries up to FL UNL.

Special:

Widest and biggest airspace in our MCD, pay attention to mountainous areas specially between OMAE and OMMM.

The FIR is adjacent to:

- Tehran OIIX in Northern direction.
- Emirates OMAE in North-West direction.
- Jeddah OEJD in Western direction.
- Mumbai Oceanic VABF in South-East direction.
- Sanaa OYSC in South-West direction.
- Karachi OPKR in North-East direction.





Kuwait FIR overview

Emirates FIR/UIR

Info Muscat FIR/UIR covering flights from lower boundaries up to FL UNL.

The FIR is adjacent to:

- **Baghdad ORBB in Northern direction.**
- **Tehran OIIX in Eastern direction.**
- **Jeddah OEJD in South-West direction.**
- **Bahrain OBBB in South direction.**





Dubai OMDB

General Information - Dubai International Airport

ICAO-ID:	OMDB	IATA-ID:	DXB	Time Zone:	UTC+4	Elevation:	62 feet / 19 meters	Magnetic Variation:	002° E
Location:	Latitude: 25.252778 / 025° 15'10.00" N				Longitude: 55.364444 / 055° 21'52.00" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C/D	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-1500ft	1500ft-FL155	FL155-FL600	FL600-UNL					Static Values

OMDB ATC Communications

OMDB_DEL	Dubai Delivery	120.350 MHz	OMDB_F_APP**	Dubai Director	127.900 MHz
OMDB_N_GND	Dubai Ground	121.650 MHz	OMDB_APP	Dubai Arrivals	124.900 MHz
OMDB_S_GND*	Dubai Ground	118.350 MHz	OMDB_N_DEP**	Dubai Departures	126.200 MHz
OMDB_N_TWR	Dubai Tower	118.750 MHz	OMDB_S_DEP**	Dubai Departures	121.025 MHz
OMDB_S_TWR*	Dubai Tower	119.550 MHz			
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

SSR Codes

RWY	LOC ID	ILS Frequency	299°	MODUS	2000 ft	CAT	LDA	International	
30L*	IDBW	111.300 MHz	299°	DB759	3000 ft	IIIc	4315 m	ACC	0501 - 0577
30R*	IDBR	110.900 MHz	119°	DB612	2000 ft	IIIc	4000 m	APP	3437 - 3477
12L	IDBL	110.100 MHz	119°	DB657	3000 ft	IIIc	3600 m	Local IFR	3401 - 3436
12R	IDBE	109.500 MHz	119°	DB657	3000 ft	IIIc	3600 m	VFR	0401 - 0477
									6001 - 6077

Departure Operations / SID

RWY	ANVIX	DAVMO	EMERU	IVURO	KUTLI	MIROT	NABIX	RIDAP	SENPA	OMNI	Initial Altitude	PDG
30R/L*	7F	4F	2F	1F	4F	3F	3F	2F	2F	Asgnd. HDG >1000'	4000 ft	5.0%**
12L/R	5G	4G	2G	1G	4G	3G	3G	3G	3G			5.0%**

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow // **Apply up to 8000ft - except KUTLI 4F req. 7.0%

Arrival Operations / STAR

RWY	VUTEB	IMPED	LORID	DATOB	PUVAL
30L/R	3C/3D	3C	3C/4D	3C/4D	5C/2D
12L/R	3B/3E	3B/3E	1E	1E	5B/2E

Arrival Operations / Holdings - ACC

	KIVUS	VUTEB	ITLAP	IMPED
TRK	109°	107°	204°	298°
Turn	Left	Right	Left	Right
Alt.	FL180 – FL280	10000ft – FL250	10000ft – FL180	10000ft – FL250

Missed Approach Holdings 30L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
TALTU	284°	Left	230kts	1min	3000ft
TALTU	284°	Left	230kts	1min	4000ft

Missed Approach Holdings 12L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
EGNOT	104°	Right	230kts	1min	3000ft
EGNOT	104°	Right	230kts	1min	4000ft



Sharjah OMSJ

General Information - Sharjah International Airport

ICAO-ID:	OMSJ	IATA-ID:	SHJ	Time Zone:	UTC+4	Elevation:	118 feet / 36 meters	Magnetic Variation:	002° E
Location:	Latitude: 25.32.8575 / 025°19'42.87" N				Longitude: 55.517150 / 055° 31'01.74" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-1500ft	1500ft-FL155	FL155-FL600	FL600-UNL		Static Values			

OMSJ ATC Communications

OMSJ_GND	Sharjah Ground	121.875 MHz	OMDB_F_APP**	Dubai Director	127.900 MHz
OMSJ_TWR	Sharjah Tower	118.600 MHz	OMDB_N_APP	Dubai Arrival	124.450 MHz
			OMDB_S_APP*	Dubai Arrival	124.900 MHz
			OMDB_N_DEP**	Dubai Departures	126.200 MHz
			OMDB_S_DEP**	Dubai Departures	121.025 MHz
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
30*	IHSW	111.950 MHz	300°	NOSGO	2500 ft	II	4060 m	ACC	0501 - 0577
12	ISRE	108.550 MHz	120°	SJ417	2000 ft	II	4060 m	APP	3437 - 3477
								Local IFR	3401 - 3436
								VFR	0401 - 0477
								Military	6001 - 6077
									0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ANVIX	DAVMO	EMERU	GETID	KUTLI	MIROT	NABIX	RIDAP	SEMPA	OMNI	Initial Altitude	PDG
30*	5R	3R	1R	1R	3R	2R	2R	2R	2R	Asgnd. HDG >1000'	3000 ft	5.0%**
12	4Q	4Q	1Q	1Q	3Q	3Q	3Q	3Q	3Q			5.0%**

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow // **Procedures apply after passing 2000ft

Arrival Operations / STAR

RWY	GONVO	LORID	NOLSU	PUVAL
30	4M	4M	2M	6M
12	3K	3K	3K	7K

Arrival Operations / Holdings - ACC

	KIVUS	VUTEB	ITLAP	IMPED
TRK	109°	107°	204°	298°
Turn	Left	Right	Left	Right
Alt.	FL180 – FL280	10000ft – FL250	10000ft – FL180	10000ft – FL250

Missed Approach Holdings 30

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
KITUR	120°	Left	230kts	1min	2000ft

Missed Approach Holdings 12

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
GIDOL	286°	Right	230kts	1min	2000ft



AI Maktoum OMDW

General Information - AI Maktoum International Airport

ICAO-ID:	OMDW	IATA-ID:	DWC	Time Zone:	UTC+4	Elevation:	171 feet / 52 meters	Magnetic Variation:	002° E
Location:	Latitude: 25.897959 / 24° 23'52.65" N				Longitude: 55.143127 / 055° 08'35.266" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR 1/2	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	Charts	1500ft-FL155	FL155-FL600	FL600-UNL					Static Values

OMDW ATC Communications

OMDW_GND	AI Maktoum Ground	118.375 MHz	OMDB_F_APP**	Dubai Director	127.900 MHz
OMDW_TWR	AI Maktoum Tower	118.625 MHz	OMDB_N_APP	Dubai Arrival	124.450 MHz
			OMDB_S_APP*	Dubai Arrival	124.900 MHz
			OMDB_N_DEP**	Dubai Departures	126.200 MHz
			OMDB_S_DEP**	Dubai Departures	121.025 MHz
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
30*	IJWA	109.750 MHz	299°	GEXIK	2000 ft	IIIa	4500 m	ACC	0501 - 0577
12	IJEA	111.750 MHz	199°	NITRI	2000 ft	IIIc	4500 m	APP	3437 - 3477
								Local IFR	3401 - 3436
								VFR	0401 - 0477
								Military	6001 - 6077
									0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ANVIX	DAVMO	EMERU	KUTIL	MIROT	NABIX	RIDAP	SENPA	NOLSU	OMNI	Initial Altitude	PDG
30*	4L	4L***	1L	3L	3L	3L	3L	3L	3L	Asgnd. HDG >1000'	3000 ft	5.0%**
12	5J	4J	2J	3J	3J	3J	3J	3J	3J			6.4%***

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow // **Procedures apply after passing 2000ft // ***DAVMO4L ONLY

Arrival Operations / STAR

RWY	DATOB	ELOVU	GERUL	GIDIS	GONVI
30	5Z	3Z	3Z	5Z	5Z
12	5Y	3Y	3Y	5Y	5Y

Arrival Operations / Holdings - ACC

	KIVUS	VUTEB	ITLAP	IMPED
TRK	109°	107°	204°	298°
Turn	Left	Right	Left	Right
Alt.	FL180 – FL280	10000ft – FL250	10000ft – FL180	10000ft – FL250

Missed Approach Holdings 30/12

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
LADMO	119°	Left	230kts	1min	3000ft
REVUL	299°	Left	230kts	1min	3000ft



Abu Dhabi OMAA

General Information - Abu Dhabi International Airport

ICAO-ID:	OMAA	IATA-ID:	AUH	Time Zone:	UTC+4	Elevation:	83 feet / 25 meters	Magnetic Variation:	002° E
Location:	Latitude: 224.432972 / 024° 25'58.70" N				Longitude: 54.651138 / 054° 39'04.10" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-1500ft	1500ft-FL155	FL155-FL600	FL600-UNL				Static Values	

OMAA ATC Communications

OMAA_DEL	Abu Dhabi Delivery	125.100 MHz	OMAA_APP	Abu Dhabi Radar	132.675 MHz
OMAA_S_GND*	Abu Dhabi Ground	123.975 MHz	OMAA_C_APP**	Abu Dhabi Radar	124.400 MHz
OMAA_N_GND	Abu Dhabi Ground	121.950 MHz	OMAA_N_APP**	Abu Dhabi Radar	135.150 MHz
OMAA_S_TWR*	Abu Dhabi Tower	119.200 MHz	OMAA_E_APP**	Abu Dhabi Radar	133.550 MHz
OMAA_N_TWR	Abu Dhabi Tower	118.675 MHz	OMAA_W_APP**	Abu Dhabi Radar	128.100 MHz
			OMAA_FS_APP**	Abu Dhabi Director	118.000 MHz
			OMAA_FN_APP**	Abu Dhabi Director	118.425 MHz
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
31L*	IAW	109.300 MHz	306°	LUBIK	3000 ft	IIIa	4106 m	ACC	1701 - 1777
31R*	IAN	108.750 MHz	306°	SETRU	2000 ft	IIIa	4100 m	APP	3437 - 3477
13L	IAS	110.300 MHz	126°	PUVOD	2000 ft	IIIa	3100 m	Local IFR	3401 - 3436
13R	IAE	109.150 MHz	126°	KINIL	3000 ft	I	3106 m	VFR	0401 - 0477
								Military	6001 - 6077
									0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ATUDO	BOSEV	DAXIB	KANIP	LORID	MEKRI	ORNEL	TULON	OMNI	Initial Altitude	PDG
31R/L*	3P/4K	1P/1K	1P/1K	1N&3P/2U&4K	1P/2K	1P/2K	1P/2K&1U	1P/2K	Asgnd. HDG >1000'	4000 ft	5.0%**
13R/L	5G/5F	1G/1F	1G/1F	3G/3F	1G/1F	1G/1F	1G/1F	1G/1F			5.0%**

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow

Arrival Operations / STAR

RWY	EMERU	ATUDO	ROVOS	UKILI	ELOVU
31L/R	2D & 3C	2C & 4D	6C & 5D & 3J	3D & 4C & 2J	3C & 2D
13L/R	2A & 1B	2A & 4B	5A & 4B & 3H	2A & 1B	3A & 2B

Arrival Operations / Holdings - ACC

	ALNEV	ROVOS	GEXOD	TAPTO
TRK	117°	280°	287°	126°
Turn	Right	Right	Left	Left
Alt.	10000ft – FL220	10000ft – FL150	6000ft – 13000ft	4000ft – 6000ft

Missed Approach Holdings 31L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
VUTOK	263°	Right	210kts	1min	4000ft
LUBUS	313°	Right	210kts	1min	4000ft – 6000ft

Missed Approach Holdings 13L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
ALSOV	124°	Left	210kts	1min	4000ft – 6000ft
ITKOV	126°	Right	210kts	1min	4000ft – 6000ft

**More holdings are available on charts



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



AI Ain OMAL

General Information - AI Ain International Airport

ICAO-ID:	OMAL	IATA-ID:	ANN	Time Zone:	UTC+4	Elevation:	866 feet / 264 meters	Magnetic Variation:	002° E
Location:	Latitude: 24.261667 / 24° 15'42.00" N				Longitude: 55.609167 / 055° 36'33.00" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-4000ft	4000ft-FL155	FL155-FL600	FL600-UNL					Static Values

OMAL ATC Communications

OMAL_GND	AI Ain Ground	129.150 MHz	OMAA_E_APP**	Abu Dhabi Radar	133.550 MHz
OMAL_TWR	AI Ain Tower	119.850 MHz			
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
01/Z	IALA	111.900 MHz	006°	NOSGO	2500 ft	I	4060 m	ACC	0501 - 0577
01/Y*	IALA	111.900 MHz	006°	SJ417	2000 ft	I	4060 m	APP	3437 - 3477
19	NO ILS						4060 m	Local IFR	3401 - 3436
								VFR	0401 - 0477
								Military	6001 - 6077
									0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	GIDIS	LABRI	MURGU	RETAS	ROVOS	OMNI	Initial Altitude	PDG
19*	1J	2J	1J	2J	1J	Asgnd. HDG >1000'	3000 ft	7.4%*
01	1H	2H	1J	2J	1J			7%*

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow

Arrival Operations / STAR

RWY	GIDIS	ITRAX	KANIP	ROVOS
19	2L	2L/2M	2L	3L
01	1K	1K	2L	3L

Arrival Operations / Holdings - ACC

	ALN	ROVOS	GEXOD	PARED
TRK	028°	280°	287°	300°
Turn	Left	Right	Left	Right
Alt.	5000ft	10000ft – FL150	6000ft – 13000ft	6000ft

Missed Approach Holdings 19

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
ALN	200°	Right	230kts	1min	5000ft

Missed Approach Holdings 12L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
ROVOS	100°	Right	230kts	1min	4000ft



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



Fujairah OMFJ

General Information - Fujairah International Airport

ICAO-ID:	OMFJ	IATA-ID:	FJR	Time Zone:	UTC+4	Elevation:	153 feet / 47 meters	Magnetic Variation:	002° E
Location:	Latitude: 25.112225 / 25° 06'44.01" N				Longitude: 56.323964 / 056° 19'26.27" E				
Airspace Information						Semicircular Rules		TL	TA
Class	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-5000ft	5000ft-9500ft	9500ft-FL600	FL600-UNL				Static Values	

OMFJ ATC Communications

OMFJ_GND	Fujairah Ground	119.450 MHz	OMFJ_APP	Fujairah Approach	129.400 MHz
OMFJ_TWR	Fujairah Tower	124.600 MHz			
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	SSR Codes	
29*	IFJR	111.500 MHz	291°	BORUL	3000 ft	I	3750 m	International	0501 - 0577
								ACC	3437 - 3477
11	NO LANDINGS ON RUNWAY 11							APP	3401 - 3436
								Local IFR	0401 - 0477
								VFR	6001 - 6077
								Military	0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ALAIN	GABKO	IMPED	RAK	NOLSU	SERSA	UMAMI	TONVO	OMNI	Initial Altitude
29*	2N & 1P	3N	2N & 2P	3N	2N	3N	2N & 2P	N/A	Asgnd. HDG >1000'	6000 ft
11	3F	3F	2F	5F	2F	3F	2F	3F		

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow

Arrival Operations / STAR

RWY	KUSEN	RUDAT
29	2A	2A

Arrival Operations / Holdings - ACC

	DANIG	DESPA	FJV	IMPED
TRK	291°	230°	090°	298°
Turn	Right	Right	Right	Right
Alt.	3000ft – 7000ft	3000ft – 7000ft	5000ft – 9000ft	10000ft – FL250

Missed Approach Holdings 30L/R

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
KARER	315°	Left	210kts	1min	3000ft – 7000ft



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



Ras Al Khaimah OMRK

General Information - Ras Khaimah International Airport

ICAO-ID:	OMRK	IATA-ID:	RKT	Time Zone:	UTC+4	Elevation:	94 feet / 29 meters	Magnetic Variation:	002° E
Location:	Latitude: 25.613483 / 25° 36'48.54" N				Longitude: 55.938817 / 55° 56'19.74" E				

Airspace Information					Semicircular Rules		TL	TA
Class	CTR	TMA	FIR/UIR	RVSM	Westbound	Even FL	FL150	13000ft
	D	C/D	A G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-1500ft	1500ft-6500ft	6500ft-FL600	FL600-UNL			Static Values	

OMRK ATC Communications

OMRK_GND	Ras Al Khaimah Ground	121.750 MHz	OMRK_APP	Ras Al Khaimah Approach	124.000 MHz
OMRK_TWR	Ras Al Khaimah Tower	118.250 MHz			
OMAE_CTR		UAE Radar		120.900 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
34*	IRK	110.500 MHz	343°	ALSIL	2500 ft	I	3750 m	ACC	0501 - 0577
16	NO ILS						3750 m	APP	3437 - 3477
								Local IFR	3401 - 3436
								VFR	0401 - 0477
								Military	6001 - 6077
									0601 - 0677

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ASNEK	EMOPI	PUVAL	OMNI	Initial Altitude	PDG
34*	1N	2E & 2W	1N	Asgnd. HDG >1000'	3000 ft	Approach Charts
16	1E & 1W	2S	1S			

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow

Arrival Operations / STAR

RWY	ALSIL	EGPEP	LAGLI	NADNI
34	1S	1E & 2W	1S	2S
16	1N	2N	2E & 2W	2E & 2W

Arrival Operations / Holdings - ACC

	ITLAP	RAV	ASKUM	EGMAP
TRK	204°	155°	343°	163°
Turn	Left	Right	Right	Right
Alt.	10000ft – FL180	4000ft – 6000ft	3000ft – 6000ft	3000ft – 6000ft

Missed Approach Holdings 34/16

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
EGMAP	163°	Right	210kts	1min	3000ft – 6000ft
ASKUM	343°	Right	210kts	1min	4000ft – 6000ft



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



Bahrain OBBI

General Information - Bahrain International Airport

ICAO-ID:	OBBI	IATA-ID:	BAH	Time Zone:	UTC+3	Elevation:	8 feet / 2 meters	Magnetic Variation:	003° E
Location:	Latitude: 26.270834 / 026° 16'15.00" N				Longitude: 50.633610 / 050° 38'01.00" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-2500ft	4500ft-FL150	FL150-FL460	FL460-UNL		Static Values			

OBBI ATC Communications

OBBI_GND	Bahrain Ground	121.850 MHz	OBBI_APP	Bahrain Approach	127.850 MHz
OBBI_TWR	Bahrain Tower	118.500 MHz	OBBI_DEP	Bahrain Departure	119.100 MHz
OBBI_CTR		Bahrain Radar		127.525 MHz	

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
30R*	IBIA	110.300 MHz	300°	D4.5 IBIA	1500 ft	II	3964 m	ACC	4500 - 4577
12L	IBIB	111.500 MHz	120°	D4.5 IBIB	1500 ft	II	3964 m	APP	1621 - 1677
30L	NOT ACTIVE RUNWAY USED AS TAXIWAY (A – ALPHA)							Local IFR	1621 - 1677
12R								VFR	1601 - 1620
								Military	1760 - 1767
									1750 - 1757

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	Radars Departures	OMNI	Initial Altitude	PDG
30R*	After airborne Right HDG 345 expect Vectors or direct to the first Waypoint	Asgnd. HDG >1000'	4000 ft	According to the Charts
12L	After airborne Left HDG 075 expect Vectors or direct to the first Waypoint			

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow

Arrival Operations / STAR

RWY	DENVO	KOBOK	LADNA	SOGAT
30R/12L	1	1	1	1

*Radar vectors to final

Arrival Operations / Holdings - ACC

	VELOG	RIKET	SOGAT	SOLOB
TRK	142°	137°	295°	294°
Turn	Left	Left	Right	Right
Alt.	5000ft – FL210	FL190 – FL290	5000ft – FL220	6000ft – FL460

Missed Approach Holdings 30R

Climb on 300° to 2500ft According to the Charts

Missed Approach Holdings 12L

Climb on 120° to 2500ft According to the Charts



International Virtual Aviation Organization (IVAO)

GCC Region Division (XG)

XG Quick Views



Hamad OTHH

General Information - Hamad International Airport

ICAO-ID:	OTHH	IATA-ID:	DOH	Time Zone:	UTC+3	Elevation:	13 feet / 4 meters	Magnetic Variation:	003° E
Location:	Latitude: 25.153981 / 025° 15'39.81" N				Longitude: 51.335434 / 051° 33'54.34" E				
Airspace Information						Semicircular Rules		TL	TA
Class	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-2500ft	2500ft-FL245	FL245-FL460	Above FL460				Static Values	

OTHH ATC Communications

OTHH_DEL	Hamad Delivery	120.875 MHz	OTHH_APP*	Doha Approach	119.725 MHz
OTHH_E_GND*	Hamad East Ground	120.225 MHz	OTHH_F_APP	Doha Director	119.400 MHz
OTHH_W_GND	Hamad West Ground	118.650 MHz	OTHH_R_APP	Doha Radar	121.100 MHz
OTHH_E_TWR*	Hamad East Tower	118.525 MHz	OTHH_ER_APP**	Doha East Radar	121.100 MHz
OTHH_W_TWR	Hamad West Tower	118.025 MHz	OTHH_WR_APP**	Doha West Radar	120.675 MHz
OBBB_CTR		Bahrain Radar			127.525 MHz

*Primary station, must be opened first // **Approval by XG-TC and ATC OPS required

Runway Information

SSR Codes

RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	ACC	APP	Local IFR	VFR	Military
34R*	AZM	110.100 MHz	336°	LAGMA	3000 ft	IIIa	4850 m	2601 - 2677	6121 - 6150	6121 - 6177	6101 - 6120	6001 - 6077	0601 - 0677
34L*	HJJ	111.900 MHz	336°	IMKAT	3000 ft	IIIa	4250 m						
16R	QAT	108.100 MHz	156°	GOLSI	3000 ft	IIIa	4250 m						
16L	DIE	108.700 MHz	156°	TOVAN	3000 ft	IIIa	4850 m						

*Marked RWY are for primary use up to 10kts tailwind component

Departure Operations / SID

RWY	ALSEM	ALVEN	BATHA	BUNDU	LOXUL	MUXOP	NAMLA	PATOM	SALWA	VAXIN	Initial Altitude
34R*	1E	1E	1E	1E	N/A	1E	1E	1E	1E	1E	Final SID Alt
34L*	1W	1W	1W	1W	N/A	1W	1W	1W & 1Z	1W	1W	
16R	1C	1C	1C	1C	1C	N/A	1C	1C	1C	1C	
16L	1M	1M	1M	1M	1M	N/A	1M	1M	1M	1M	

*Preferred Runway up to 10kts tailwind component, most efficient traffic flow | Note: Initial climb clearance phraseology is "CLIMB VIA SID"

Arrival Operations / STAR

RWY	34R	34L	16R	16L
AFNAN	1R	1L	1F	1P
BAYAN	1R	1L	1F	1P
GINTO	1R	1L	1F	1P

Arrival Operations / Holdings - ACC

	EMEXA	VELAM	BAYAN	AFNAN	GINTO
TRK	040°	117°	229°	268°	087°
Turn	Left	Right	Left	Right	Right
Alt.	8000ft – FL200	FL190 – FL240	10000ft – FL240	FL150 – FL220	FL150 – FL210

Missed Approach Holdings 34R/L

RWY	Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
34R	GENOT	066°	Right	230kts	1min	4000ft
34L	GENOT	066°	Right	230kts	1min	5000ft

Missed Approach Holdings 16R/L

RWY	Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
16R	GENOT	066°	Left	230kts	1min	3000ft
16L	GENOT	066°	Left	230kts	1min	4000ft



Doha OTBD

General Information - Doha International Airport

ICAO-ID:	OTBD	IATA-ID:	DIA	Time Zone:	UTC+3	Elevation:	37 feet / 11 meters	Magnetic Variation:	003° E
Location:	Latitude: 025° 15'39.80" N				Longitude: 051° 33'54.30" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C/D	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-2500ft	2500ft-FL245	FL245-FL460	Above FL460		Static Values			

OTBD ATC Communications

OTBD_GND	Doha Ground	121.925 MHz	OTHH_APP*	Doha Approach	119.725 MHz
OTBD_TWR	Doha Tower	118.900 MHz	OTHH_F_APP	Doha Director	119.400 MHz
			OTHH_R_APP	Doha Radar	121.100 MHz
			OTHH_ER_APP**	Doha East Radar	121.100 MHz
			OTHH_WR_APP**	Doha West Radar	120.675 MHz
OBBB_CTR		Bahrain Radar		127.525 MHz	

**Special requirements and approval needed

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
15	AMD	108.500 MHz	156°	MAXMO	3000ft	I	4750m	ACC	6121 - 6150
33	IBD	109.500 MHz	336°	NAJMA	3000ft	IIIc	4750m	APP	6121 - 6177
								Local IFR	6101 - 6120
								VFR	6001 - 6077
								Military	0601 - 0677

Departure Operations / SID

RWY	ALSEM	ALVEN	BATHA	BUNDU	NAMLA	PATOM	SALWA	VAXIN	Initial Altitude
15	1S	1S	1S	1S	1S	1S	1S	1S	Final SID Alt
33	1N	1N	1N	1N	1N	1N	1N	1N	

Coordination is required between OTHH and OTBD for runway selection | Note: Initial climb clearance phraseology is "CLIMB VIA SID"

Arrival Operations / STAR

RWY	AFNAN	BAYAN	GINTO
15	1A	1A	1A
33	1D	1D	1D

Arrival Operations / Holdings - ACC

	EMEXA	VELAM	BAYAN	AFNAN
TRK	040°	117°	229°	298°
Turn	Left	Right	Left	Right
Alt.	8000ft – FL200	FL190 – FL240	10000ft – FL240	FL150 – FL220

Missed Approach Holdings 15/33

RWY	Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
15	BD455	110°	Left	230kts	1min	3000ft
33	BD456	036°	Right	230kts	1min	5000ft



Muscat OOMS

General Information - Muscat International Airport

ICAO-ID:	OOMS	IATA-ID:	MCT	Time Zone:	UTC+4	Elevation:	25 feet / 8 meters	Magnetic Variation:	001° E
Location:	Latitude: 23.593278 / N23° 36.0'				Longitude: 58.284444 / E058° 17.0'				

Airspace Information					Semi-circular Rules		TL	TA	
Class	CTR	TMA		FIR / UIR		Westbound	Even FL	FL150	13000ft
	C	C	A	A	C	Eastbound	Odd FL		
Vertical Limit	SFC-5500ft	1500ft-12500ft	13000ft-FL250	13000ft-UNL	7500ft-12500ft	RVSM / FL290 - FL410		Static Values	

OOMS ATC Communications

OOMS_DEL	Muscat Delivery	125.575 MHz	OOMS_APP	Muscat Radar	121.200 MHz
OOMS_GND	Muscat Ground	121.800 MHz			
OOMS_TWR	Muscat Tower	118.825 MHz			
OOMM_CTR		Muscat Control		124.700 MHz	

*Marked Stations are primary ones and has to be opened first

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
26R	IMR	110.700 MHz	264°	D6.7IMR	2200ft	I	4000m	ACC	4041 - 4077
08L	IML	108.900 MHz	084°	D6.7IML	3200ft	I	4000m	APP	4041 - 4077
26L	Closed, and used as Taxiway F — RWY not active. If pilot has default scenery, departure out of this runway can be authorized.							Local IFR	4700-4777
08R								VFR	6001-6077
								Military	0601-0677
SSR Published by IVAO server.									

Departure Operations / SID *

RWY	DAPOK	EMURU	GERAR	IVETO	IZK	MUSRU	SEVLA	SODEB	TULBU	VUSET	ITLAK	MURMA
26R	1X & 2P		2P	1X & 2P			2P			1N	N/A	
08L*	2S	2S & 1W	2S	2S & 1W			2S	2S & 1W	N/A	1N		

Arrival Operations / STAR *

RWY	GERAR	MUSUK	LAKLU	TULBU	VUSET	ELIGO	TUMET	EMURU	RADAX
26R	1R & 1U			1U	1R & 1U		1U		
08L	1T & 1V			1V	1T & 1V		1V		

Arrival Operations / Holdings - ACC

	BUBIL	KANOL	LADBA	MIGMO
TRK	087°	121°	246°	345°
Turn	Right	Right	Right	Left
Alt.	8000ft – 9000ft	7000ft – 9000ft	7000ft – 10000ft	9000ft – 10000ft

Missed Approach Holdings 26R/08L

Via	Inbound CRS	Turn	Vmax	Leg Time
MCT	084°	Left	210kts	1min
	264°	Right	210kts	1min

Note *: IMPLEMENTATION AND USE OF PUBLISHED SIDES AND STARS RWY 08L/26R ARE DELAYED. NEW TEMPORARY DEPARTURE/ARRIVAL PROCEDURES SHALL BE USED FOR RWY 08L/26R AS FOLLOWS:

DEP 08L: MURMA 1N / DEP 26R: ITLAK 1N

ARRIVAL: INBOUND AIRCRAFT CAN EXPECT RADAR VECTORING TO AN APPROPRIATE INSTRUMENT APPROACH PROCEDURE OR VISUAL APPROACH FOR THE RELEVANT RUNWAY.”



International Virtual Aviation Organization (IVAO)
GCC Region Division (XG)
XG Quick Views



Salalah OOSA

General Information - Salalah International Airport

ICAO-ID:	OOSA	IATA-ID:	SLL	Time Zone:	UTC+4	Elevation:	90 feet / 27 meters	Magnetic Variation:	001° E
Location:	Latitude: 17.044399 / N17° 02.32'				Longitude: 54.094200 / E054° 05.48'				

Airspace Information					Semi-circular Rules		TL	TA	
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	C		Eastbound	Odd FL		
Vertical Limit	SFC-2000ft	1000ft-FL150	FL150- UNL	7500ft-12500ft	FL290-FL410			Static Values	

OOSA ATC Communications

OOSA_GND	Salalah Ground	124.025 MHz	OOSA_APP	Salalah Radar	119.100 MHz
OOSA_TWR	Salalah Tower	118.200 MHz			
OOMM_CTR		Muscat Control		124.700 MHz	

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
25	IABB	110.900 MHz	250°	D9.5 ISE	3200ft	I	3997m	ACC	0301-0340
07	IABA	108.700 MHz	070°	D10.2 ISW	3400ft	I	3997m	APP	0341-0377
								Local IFR	7300-7377
								VFR	0400-0477
								Military	0501-0577

Departure Operations / SID

RWY	DAXAM	LADAR	MUTVA	SILTA	Initial Altitude
25	1R & 1S & 1V	1R & 1S	1R & 1S	1R & 1S	5000 ft
07	1P & 1Q & 1T & 1U	1P & 1Q	1P & 1Q	1P & 1Q	

Arrival Operations / STAR

RWY	ASTUN	DAXAM	KAPET	KAPOP	KIVEL	PUTRA	SILTA
25				1G & 1H			
07				1E & 1F			

Arrival Operations / Holdings - ACC

	PAVEM	LADAR	DAXAM	KAPOP
TRK	218°	062°	250°	036°
Turn	Right	Right	Left	Right
Alt.	11000ft – 13000ft	5000ft – 6000ft	8000ft – 10000ft	4600ft – 12000ft

Missed Approach Holdings 25/07

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
SLL	089°	Left	210kts	1min	6000ft
	210°	Right	210kts	1min	6000ft



Kuwait OKBK

General Information – Kuwait International Airport

ICAO-ID:	OKBK	IATA-ID:	KWI	Time Zone:	UTC+3	Elevation:	205 feet / 62 meters	Magnetic Variation:	003° E
Location:	Latitude: 29.144260 / 029°14'42.60" N				Longitude: 47.575500 / 047° 57'55.00" E				
Airspace Information						Semicircular Rules		TL	TA
	CTR	TMA	FIR/UIR		RVSM	Westbound	Even FL	FL150	13000ft
Class	D	C	A	G	FL290-FL410	Eastbound	Odd FL		
Vertical Limit	SFC-2000ft	2000ft-FL150	FL150-FL460	FL460-FL600					Static Values

OKBK ATC Communications

Ground / Airport			Radar		
OKBK_DEL	Kuwait Delivery	126.775 MHz	OKBK_APP	Kuwait Approach	124.800 MHz
OKBK_GND	Kuwait Ground	121.700 MHz			
OKBK_TWR	Kuwait Tower	118.300 MHz			
OKAC_CTR		Kuwait Rader		125.300 MHz	

Runway Information

Runway Information								SSR Codes	
RWY	LOC ID	ILS Frequency	Track	FAP	FAP Alt.	CAT	LDA	International	
33R	IKID	110.500 MHz	332°	GINBI	2500 ft	II	3500 m	ACC	1400 - 1477
33L	IKIA	108.500 MHz	332°	RARVA	2500 ft	II	3400 m	APP	1500 - 1577
15R	IKIB	111.300 MHz	152°	DATAR	2400 ft	II	3400 m	Local IFR	N/A
15L	IKIC	110.100 MHz	152°	RERAN	2400 ft	II	3500 m	VFR	0601 - 0677
								Military	6001 - 6077

*OKBK_GND is responsible for all ground movements on taxiways (except taxiway W1 and E1 for Departure) and aircrafts at the gate. GND should transfer traffic to TWR when Approaching Taxiway W1 or E1 for Departure.

Departure Operations / SID

RWY	ALVAX	ASVIR	BOXIK	RALKA	SESRA	KFR	Initial Altitude
33R/L	4F	4F	4F	4F	4F	4F	3000 ft
15R/L	4E	4E	4E	4E	4E	4E	

Arrival Operations / STAR

RWY	SIDAD	DESLU	ALVAX	ASVIR	RALKA	KFR	SESRU	KUNRU	DEBTI
33R/L	N/A	N/A	3C	3C	3C	3C	3C	3C	3C
15R/L	3D	3D	3D	3D	3D	3D	3D	3D	3D & 3E

Arrival Operations / Holdings - ACC

	EMEBA	WAFRA	DEBTI	RALKA
TRK	332 °	78 °	314 °	275 °
Turn	Right	Right	Left	Right
Alt.	3000ft	3000ft – FL460	3000ft – FL460	3000ft – FL460

Missed Approach Holdings 33R/L

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
LUDIM	090 °	Right	230kts	1min	5000ft – 10000ft
LUDIM	090 °	Right	230kts	1min	5000ft – 10000ft

Missed Approach Holdings 15R/L

Via	Inbound CRS	Turn	Vmax	Leg Time	Altitude
LUDIM	090 °	Right	230kts	1min	5000ft – 10000ft
LUDIM	090 °	Right	230kts	1min	5000ft – 10000ft