



ATFM Implementation Workshop

Doha, Qatar, 6 - 7 February 2023



ATFM Implementation Workshop



FIFA WORLD CUP
Qatar 2022

MIDANPIRG CONCLUSION 19/16:

ATFM IMPLEMENTATION that,

- a) States be urged to take necessary measures to establish ATFM service in accordance with the MID Region ATFM Plan taking into consideration the available relevant guidance materials, and the willingness of ICAO and International organization to provide support as appropriate;



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Qatar 2022

ATFM Regulations

State of Qatar issues QCAR 098 to become effective on 8th September 2022.

Without prejudice to established State Laws and other promulgated Qatar Civil Aviation Regulations (QCARS) related to civil aviation in the State of Qatar, whereas:

(6) A single unit for ATFM in charge of planning, coordination and execution of ATFM measures (hereinafter the Air Traffic Flow Management Unit) will be established by the Air Navigation Service Providers taking into consideration the recommendations of the International Civil Aviation Organisation (ICAO) on a global and regional level.



STATE OF QATAR



الهيئة العامة للطيران المدني
CIVIL AVIATION AUTHORITY
قطر QATAR

Qatar Civil Aviation Regulation

No. 098 of 2022

Air Traffic Flow Management



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Strategic Capacity and Demand Monitoring & Analysis

A bi-annual capacity meeting with MATAR (Airport Operator)

Takes into account:

- ATC CNS systems
- ATC resources
- ATC separation standards
- Airline seasonal schedules
- Airport stand provisions
- Airport developments





Pre-Tactical Capacity and Demand Monitoring & Analysis

Daily meeting with stakeholders.

A CDM meeting held by the Doha ATFMU with Airspace Users, ANSPs, Airports and local Tower, Approach and Area ATC Units.

Meeting held at 1100 hours local (0800 UTC) to discuss:

- Expected runway and airspace configurations
- Forecast weather
- Known or expected capacity constraints
- Updated flight schedule

Output is the ATFM Daily Plan (ADP)



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Pre-Tactical ATFM Execution


Output is the ATFM Daily Plan (ADP) published at 1300 hours local (1000 hours UTC)

Transmitted to all concerned stakeholders by e-mail
METRON Harmony – access to registered users

ATFM Daily Plan



Doha Air Traffic Flow Management Unit
ATFM DAILY PLAN
UTC Date: 18-12-2022



الهيئة العامة للطيران المدني
CIVIL AVIATION AUTHORITY

General

- State of Qatar National Day.
- FIFA World Cup Qatar 2022 Final & closing ceremony.
- AIRAC NIL

Airports

OTHH/DOH	<ol style="list-style-type: none"> Scheduled Runway Closure Suspended. Ref: A0691/22 and A0620/22. Independent Parallel runway Operations at OTHH & OTBD as required. Ref: AIP OTHH AD 2.22 Sec 9 and A0301/22 Runway Capacity Enhancement (HIRO) during peak periods at Hamad International Airport. Ref: AIP SUP 23/22 Reduced Runway Separation Minima (RRSM) ops during daylight hours. Ref: AIP SUP 24/22 Not available as an alternate due to peak operational capacity demand unless approved by the Airport Operator (MATAR), until 20 December 2022. Ref: A0201/22 National Day airshow at Lusail. Ref Item No - 9 under special events.
OTBD/DIA	<ol style="list-style-type: none"> Independent Parallel runway Operations at OTHH & OTBD as required. Ref: AIP OTBD AD 2.22 Sec 9, AIP SUP 31/22 & A0249/22. Thirteen (13) Airlines shifted operations to DIA until 30th Dec 2022. Not available as an alternate due to peak operational capacity demand unless approved by the Airport Operator (MATAR). Until 20 December 2022. Ref: A0254/22 Fixed wing GA/BA Flight operations. Ref: AIP SUP 32/2022 National Day airshow at Lusail. Ref Item No - 9 under special events.

Airspace

OTDF	<ol style="list-style-type: none"> Effective 20 November 2022 – 18 December 2022. <ul style="list-style-type: none"> ATS Route L681 segment ORLEK – EGROL closed. ATS Route M430 segment DOH – ULIKA closed. Due to Military Activity. Ref: A0622/22, A0621/22 & AIP SUP 29/2022. ATS route L564 DOH – BATHA available 24H until 31 Dec 2022. Ref: A0521/22 State ACFT flying over the northern part of State of Qatar via ATS routes A453, L602, L703, L768, M600, M677, P559, P699, P708, T308, T872, Y856 are reminded to also address their FPL to OTBDYWYX. Ref: A0025/22.
OEJD	<ol style="list-style-type: none"> Jeddah FIR Routing Options, Special Procedures and Requirements. Ref: Kingdom of Saudi Arabia <ul style="list-style-type: none"> AIP SUP 11/22 (Except for the routes M430, L681 & Z511 due to route closures within Doha FIR till 18 December 2022. Routes T142, Y432 & N697 are available for traffic landing or departing within OTDF FIR). AIP SUP 12/22 & A1952/22, A2335/22, A2184/22, A2185/22, A2206/22, A2221/22. Interface of OEJD – OJAC FIRs. Refer to JORDAN AIP Amendment 20/22.

Weather

Strong wind expected at places daytime. Mild daytime with scattered clouds and chance of light rain at places, relatively cold to cold by night.
Wind: Northwesterly 10-20 KT dusting to 30 KT at places at times.

Special Events

- For FIFA World Cup QATAR 2022. Refer to QATAR AIP Supplement 19/22 titled Managing Airport Slot Coordination During Football World Cup 2022.
- Fireworks, drone shows, and laser shows until 18 December 2022 between 0300 – 2059 UTC at Corniche, Al Bidda Park, Museum of Islamic Art, Souq Waqif, Msheirib & Palm Island (Locations **within OTP 45**). Ref: A0517/22, A0526/22, A0527/22, A0616/22, A0654/22, A0655/22, A0665/22, A0697/22, A0716/22, A0717/22, A0725/22, A0727/22, A0728/22, A0731/22, A0732/22, A0752/22, A0760/22, A0775/22, A0784/22, A0785/22, A0792/22, A0827/22.
- Drone activity & shows, fireworks display & laser beam shows in **Al Wakrah** until 19 Dec 2022. Ref: A0612/22, A0613/22, A0635/22, A0636/22, A0680/22, A0795/22.
- Drone activity & shows within the vicinity of **Stadium974 & Beach974** until 31st December 2022. Ref: A0694/22, A0695/22, A0769/22, A0770/22, A0793/22, A0794/22.
- Drone activity within **Doha Port & Hamad Port** until 31st December 2022. Ref: A633/22, A0718/22, A0719/22, A0720/22, A0747/22, A0748/22, A0767/22, A0768/22, A0791/22.
- Laser Beam show, drone activity/shows at **Lusail Boulevard, West Bay, Katara and The Pearl** until 18 December 2022. Ref: A0687/22, A0688/22, A0784/22, A0786/22, A0787/22, A0788/22, A0789/22, A0790/22, A0826/22. **MDLBEAST & ARCADIA** Music Festivals, laser beam shows, fire show & drone shows at **Ras Bu Fontas** until 19 December 2022. Ref: A0674/22, A0675/22, A0678/22, A0679/22, A0699/22 & A0700/22.
- Laser beam activity at **Doha Golf Club**. Ref: A0755/22.
- Helicopter flights operating between Team Hotels & stadiums 2 hours before kick-off.
- National Day airshow at Lusail. Surface - 6,000ft between 1215-1300 UTC. Ref: A0833/22 & A0834/22.

Tactical 17/12/2022



TACTICAL FOR SATURDAY, 17 DECEMBER 2022

FIFA WORLD CUP 2022
THIRD PLACE
CROATIA VS MOROCCO 1500 UTC / 1800 LT KHALIFA INTL STADIUM

Topics Discussed	ICAO/IATA Code: OTHH/DOH, OTBD/DIA
ARR Before Matches	OTHH/DOH: 1 VVIP, 1 charter from Argentina & 1 Croatian charter. OTBD/DIA: Regional shuttles, 2 charters from Kingdom of Saudi Arabia & GA/BA
DEP After Matches	OTBD/DIA: Regional shuttles & GA/BA
Remarks	HBS Media / Gulf Helicopters Helicopter operations for media coverage and photography. 1220-1512 UTC

1. Para Jumping exercise over **Al Bidda Park** (Within **OTP 45**). Surface – 6,000ft. Dec 17. Between 1100–1300 UTC. Ref A0831/22.

Pre-Tactical 18/12/2022



PRE-TACTICAL FOR SUNDAY, 18 DECEMBER 2022

FIFA WORLD CUP 2022
THE FINAL
Argentina vs France 1500 UTC / 1800 LT LUSAIL STADIUM

Topics Discussed	ICAO/IATA Code: OTHH/DOH, OTBD/DIA
ARR Before Match	OTHH/DOH: OTBD/DIA: Regional shuttles & GA/BA
DEP After Match	OTBD/DIA: Regional shuttles & GA/BA
Remarks	HBS Media / Gulf Helicopters Helicopter operations for media coverage 2 hours before the kick-off. 1240-1515 UTC/1615-1750 UTC

ATFM Measures

ATFM Measure	Period	Reason
See note below.		

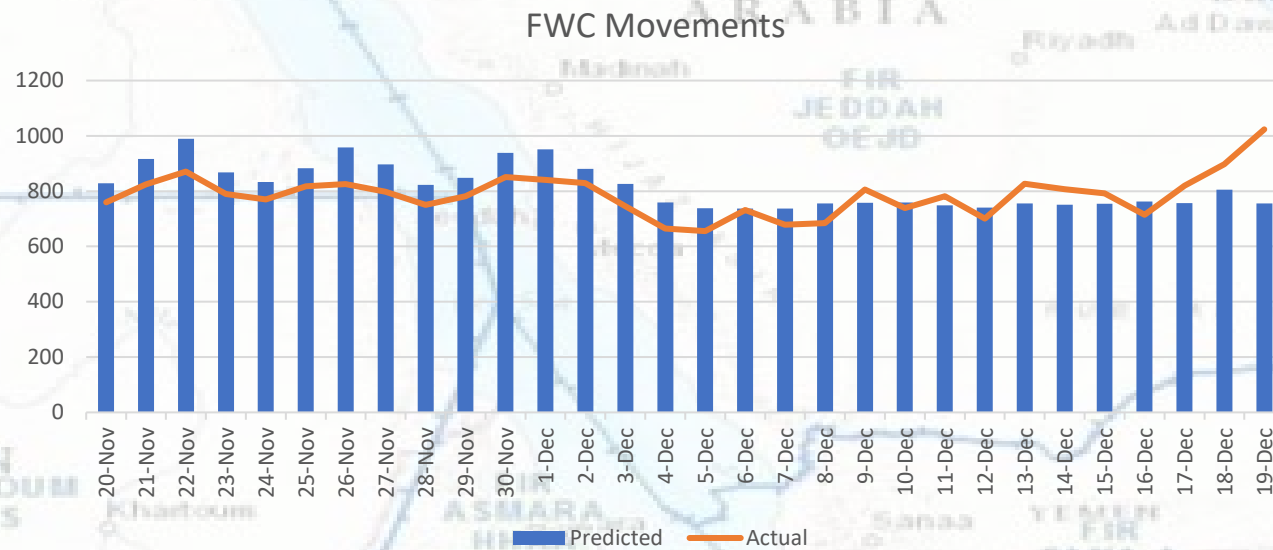
Note: Tactical measure may be applied at short notice due VVIP activity.



Post-Operations Analysis

Actual flight numbers against predicted flights is analysed.

The ADP is assessed for its accuracy and relevance to stakeholders.





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Thank you