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## AIP Supplement for Myanmar



**Department of Civil Aviation**

**AIRAC AIP SUP  
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UFN  
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## ATFM PROCEDURES IN YANGON FIR (MYANMAR)

### 1. Effective

With effect from 2<sup>nd</sup> November 2023, ATFM Procedures in Yangon FIR (Myanmar) will be established as shown on the attached.

### 1.1 Introduction

2.1.1 This introduces an overview of air traffic flow management (ATFM) services within Yangon FIR by such as Bangkok, Singapore, Hong Kong and other ATFM Units. Content provided includes an introduction to ATFM service, triggering and dissemination of ATFM measures, exemption of flights, Ground Delay Program (GDP) procedure, and important contact information.

2.1.2 Note that content herein provides only a general description of ATFM services, and stakeholders (airspace users, airport operators) should consult associated NOTAM or AIC for detailed information whenever an ATFM measure is triggered within the FIR.

### 1.2 Provision of ATFM Services

1.2.1 ATFM services are services provided to balance air traffic demand against ATM resource (airspace or airport) capacity. This is achieved through issuance of various ATFM measures as defined in ICAO Doc 9971 – Manual on Collaborative ATFM. These ATFM measures include Minutes-in-Trail, Miles-in Trail, Minimum Departure Interval, Ground Delay Program through issuance of Calculated Take-Off Time (due to airspace or airport constraint), Fix Balancing, Speed / Altitude Control, and other applicable ATFM measures. Planning of ATFM service is conducted by the ATFM Unit, while the provision of the service – such as issuance of ATFM measure – may be provided by the ATFM Unit or the ATS Unit depending on the nature of ATFM measure in place.

1.2.2 For the international traffic in Yangon FIR, the ATFM services are provided by (Bangkok, Singapore, Hong Kong and other ATFM Units). The services provided comprise preparation and distribution of ATFM Daily Plan (ADP), planning and issuance of ATFM measures to balance demand and capacity in airspace sectors and airports, monitoring and post operations analysis of ATFM measure compliance. Note that while ATFM measure(s) are in effect, international flights may be subjected to such ATFM measures. As Bangkok, Singapore, Hong Kong and other ATFMU operates on a 24-hour basis, ATFM measure(s) may be initiated as and when necessary.

### **1.3 Triggering of ATFM measures**

1.3.1 An ATFM measure may be triggered when Bangkok, Singapore, Hong Kong and other ATFMU determines that there will be a demand capacity imbalance situation at a particular ATM resource. The imbalance may be due to, inter alia, planned airspace or airport closure, special event affecting airport operations, and adverse weather.

1.3.2 In so far as possible Bangkok, Singapore, Hong Kong and other ATFMU will provide advance notification of an ATFM measure to be initiated and their effective period. In the case of pre-planned events, such as annual events, air display or annual joint military air exercise or etc., an AIP Supplement and / or NOTAM will be issued informing stakeholders of ATFM measure to be used. In the case of unplanned events, such as forecast adverse weather, an ATFM Daily Plan (ADP) and / or NOTAM will be issued to provide advance notification. The ADP will be issued via e-mail to stakeholders' key point of contact.

### **1.4 Flights Exempted from ATFM Services**

1.4.1 The following flights are exempted from the ATFM procedures:

- a) Flights experiencing an emergency, including aircraft subjected to unlawful interference;
- b) Flights in search and rescue or fire-fighting missions;
- c) Urgent medical evacuation flights specifically declared by medical authorities where flight delays would put the life of the patients at risk;
- d) Flights with "Head of State" status; and
- e) Other flights as may be determined by the appropriate authority.

## **2. Procedure for Ground Delay Program (GDP) through issuance of Calculated Take-Off Time (CTOT)**

One of the key ATFM measures used by Bangkok, Singapore, Hong Kong and other ATFMU to balance arrival demand against congested resource capacity is Ground Delay Program (GDP) through the issuance of Calculated Take-Off Time (CTOT). CTOTs

are calculated based on expected arrival times of flights at the congested resource, adjusted to achieve suitable flow rate, and should provide airspace users with awareness of their departure times. When GDP is activated, all relevant stakeholders (ATS units, airspace users, airport operators, and ground handlers) are requested to adhere to the following procedure:

2.1 Flight Plan (FPL) for flights operating through Myanmar, departing from or landing in airport in Myanmar should be submitted not less than 3 hours prior to Estimated Off-Block Time (EOBT) except where necessary for operational and technical reasons.

2.2 Delay Message (DLA) should be transmitted when departure of an aircraft, for which basic flight plan data (FPL) has been sent, is delayed by more than 15 minutes after the Estimated Off-Block Time contained in the latest submitted basic flight plan data.

2.3 Prior to the activation of Ground Delay Program (GDP), an ATFM Daily Plan (ADP) will be distributed by Bangkok, Singapore, Hong Kong and other ATFMU to all stakeholders via provided e-mail addresses. Should the address not be updated, stakeholders can contact Approach Control Unit (Mingaladon, Mandalay and Naypyitaw) and YACC to make necessary revision.

2.4 CTOTs will be distributed to stakeholders via e-mail and AFTN messages.

2.5 For flights with CTOTs, pilots shall plan their flights to be ready for pushback at an appropriate timing such that Take-Off Time (TOT) will be within CTOT compliance window.

2.7 For flights with CTOTs and departing from aerodromes within Yangon FIR, follow additional clearance delivery requirement as follows:

- a) Flights departing from VYYY: pilots shall contact Clearance Delivery for ATC clearance at least 20 minutes prior to CTOTs.
- b) Flights departing from other aerodromes: pilots shall contact Clearance Delivery for ATC clearance at least 15 minutes prior to CTOTs.
- c) Once clearance has been issued, unless otherwise specified by the ATC, flights shall be ready for pushback within 5 minutes.
- d) ATC shall provide best assistance to ensure flights complying with the above time frame can take off within CTOT compliance window. Failure to comply with the above time frame may result in further gate holding, and ATC may request pilots to obtain new CTOT from Bangkok, Singapore, Hong Kong and other ATFMU via Approach Control Unit (Mingaladon, Mandalay and Naypyitaw) or YACC.

2.8 Should there be any change to flight's operating time (CHG, DLA), airspace user shall contact Bangkok, Singapore, Hong Kong and other ATFMU via Approach Control Unit (Mingaladon, Mandalay, Naypyitaw) or YACC as soon as possible to obtain a new CTOT prior to ATC Clearance request to avoid excessive delay. As a general rule, airspace users are responsible for new CTOT requests with Bangkok, Singapore, Hong Kong and other ATFMU via Approach Control Unit (Mingaladon, Mandalay, Naypyitaw) or YACC while their aircraft are still at the parking bays (before off-block); once the aircraft has been cleared for pushback, ATC shall assist in obtaining new CTOT if needed due to ground movement issues.

2.9 For flights originally operating outside of the GDP period but delaying into it, airspace users shall contact Bangkok, Singapore, Hong Kong and other ATFMU via Approach Control Unit (Mingaladon, Mandalay, Naypyitaw) or YACC to obtain CTOT as soon as possible and prior to clearance delivery. If uncertain whether the flight should be subjected to GDP, contact Bangkok, Singapore, Hong Kong and other ATFMU via Approach Control Unit (Mingaladon, Mandalay and Naypyitaw) or YACC to verify.

### 3. Myanmar Air Traffic Management Division Contact Information

No.	Air Traffic Service Units	Telephone	AFTN Address	Gmail Address
1.	Yangon Area Control Centre (YACC)	+95 17 533040, +95 17 533073, +95 17 533268, +9517 533030, Ext: 455	VYYFZQZX VYYFZRZX	vyyy.wso@gmail.com
2.	Yangon International Airport, Mingaladon Approach Control Unit	+95 17 533044, +9517 533030, Ext: 457	VYYFZQZX VYYYZTZX	yiatower2023@gmail.com
3.	Mandalay International Airport, Mandalay Approach Control Unit	+95 2 4027028	VYMDZPZX VYMDZTZX VYMDYNYX	miaatct.chief@gmail.com
4.	Naypyitaw International Airport, Naypyitaw Approach Control Unit	+959405702749, 0678109045, Ext: 777	VYNTZPZX VYNTZTZX	npttower@gmail.com

### 4. Cancellation

This AIRAC AIP SUPPLEMENT will remain in force until its contents have been incorporated in AIP Myanmar.

Director General

Department of Civil Aviation