

<b>LOA</b>	<b>VATSIM (VIRTUAL AIR TRAFFIC SIMULATION)</b> Letter of Agreement (LOA)	
Subject:	<b>Thailand vACC</b> <b>Kuala Lumpur vACC</b>	Final 3.0
<b>LOA</b>	Bangkok FIR	12-November-2015

## 1. PURPOSE

This agreement between Thailand Air Traffic Control Center (VTBB) and Kuala Lumpur Air Traffic Control Center (WMFC) covers co-ordination procedures and is supplementary to the procedures in the ICAO Regulations, VATSIM Code of Conduct, and the VATSIM User Agreement.

## 2. CANCELLATION

Any and all previous LOA's between VTBB and WMFC are cancelled.

## 3. PROCEDURES

- a. VTBB Thailand vACC and WMFC Kuala Lumpur vACC shall ensure that:
  - i. All aircraft shall be at 1X sim rate before initiating handoff.
  - ii. Ensure aircraft are separated by no less than 10 (ten) NM when at the same altitudes prior to initiating handoff.
  - iii. Coordinate any route, altitude, or speed changes that are different from the flight plan prior to initiating handoff.
  
- b. VTBB Thailand vACC shall ensure that:
  - i. Aircraft landing at WMKK Kuala Lumpur with a cruise altitude at or above 10,000 and departing from VTBS and VTBD (or surrounding airports under their approach control's airspace) are routed as follows:
    1. VTBS departures: VTBS SID KASNI M757 VAS A464 VBA STAR.
    2. VTBD departures: VTBD SID KASNI M757 VAS A464 VBA STAR
    3. All other airports in Bangkok FIR and flyovers will be routed to join the appropriate transition via: A464 VBA STAR.
  - ii. Aircraft landing at WMKL Langkawi Intl with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below 5000.
  - iii. Aircraft landing at WMKC Sultan Ismail Intl with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below 5000.
  - iv. Aircraft landing at WMKN Sultan Mahmud Apt with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below FL210.
  - v. Aircraft landing at WMKI Sultan Azlan Shah Apt with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below FL350.
  - vi. Aircraft landing at WMKB Butterworth Apt with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below FL190.
  - vii. Aircraft landing at WMKA Sultan Abdul Halim Apt with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below 7000.
  - viii. Aircraft landing at WMKP Penang Intl with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below FL190.
  - ix. Aircraft landing at WMGK Gong Kedak Apt with a cruise altitude at or above 10,000 are handed off at the WMFC Kuala Lumpur line at or below 7000.

- c. WMFC shall ensure that:
- i. Aircraft landing at VTBS with a cruise altitude at or above 10,000 and departing from WMKK (or surrounding airports under their approach control's airspace) are routed as follows:
    1. WMKK departures: WMKK-SID PULIP G466 VKB M751 REGOS--STAR VTBS.
    2. WMKK departures: WMKK-SID AGOSA A457 VAS M769 SURMA--STAR VTBS
  - ii. Aircraft landing at VTBD with a cruise altitude at or above 10,000 and departing from WMKK (or surrounding airports under their approach control's airspace) are routed as follows:
    1. WMKK departures: WMKK-SID PULIP G466 VKB M751 REGOS--STAR VTBD.
    2. WMKK departures: WMKK-SID AGOSA A457 VAS M769 SURMA--STAR VTBS
  - iii. Aircraft landing at VTSC Narathiwat Apt with a cruise altitude at or above 10,000 are handed off at the VTBB Bangkok line at or below 10000.
  - iv. Aircraft landing at VTSK Pattani Apt with a cruise altitude at or above 10,000 are handed off at the VTBB Bangkok line at or below FL160.
  - v. Aircraft landing at VTSS Hat Yai Intl and VTSH Songkhla with a cruise altitude at or above 10,000 on airways A457, A464 or W650 are handed off at the VTBB Bangkok line at or below 6000. Arriving on airway A334 are handed off at the VTBB Bangkok line at or below FL340.
  - vi. Aircraft landing at VTST Trang with a cruise altitude at or above 10,000 on airways A457, A464, W650 or W14 only are handed off at the VTBB Bangkok line at or below FL200.
  - vii. Aircraft landing at VTSP Phuket Intl and VTSG Krabi Apt with a cruise altitude at or above 10,000 on airways B579, R325 are handed off at the VTBB Bangkok line at or below FL340. Arriving on airways A327 or L645 are handed off at the VTBB Bangkok line at or below 11000.
- d. Airway Altitude restrictions (coordination)
1. Thailand vACC and Kuala Lumpur vACC shall adhere to the following airway altitude restrictions:
    - A464 Between BKK (south) to KARMI Odd Thousand
    - A464 Between KARMI (north) to BKK Even Thousand
    - M751 Eastbound – FL290, FL330, FL350, FL370, FL410 / Westbound- Standard ICAO Cruise Levels.
    - M770 Eastbound – FL310, FL330, FL350, FL370, FL390 / Westbound- FL320, FL340, FL360, FL380, FL400
    - M765 North eastbound – FL290, FL310, FL330, FL350, FL370 / South westbound – FL280, FL300, FL320, FL340
    - M769 North eastbound – Single direction airway, Even cruise altitudes
    - M757 South westbound – Single direction airway, Odd cruise altitudes

#### 4. EXCEPTIONS

Deviations from the procedures established in this agreement may be made only after prior coordination and agreement with the parties involved.

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Thailand vACC Director  
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