

SOP	VATSIM (VIRTUAL AIR TRAFFIC SIMULATION) Standard Operating Procedure	
Subject:	Phuket TMA	Final 2.0
Operations	Thailand vACC	12-November-2015

1. PURPOSE.

This Standard Operating Procedure (SOP) outlines the procedures to be used by controllers working Phuket Approach to ensure that arrival flows are handled in as efficient and timely a manner as possible. By specifying standard handoff points, and arrival routes, coordination between Phuket Approach and Bangkok Center sectors may be greatly reduced.

2. ROLES AND RESPONSIBILITIES.

The Office of Primary Responsibility (OPR) for this SOP is the Thailand vACC Director/Chief. This SOP shall be maintained, revised, updated or cancelled by the Thailand vACC Director/Chief or any organization that supersedes, replaces or assumes the Director's responsibilities. Any suggestions for modification/amendment to this SOP should be sent to the Director for review.

3. DISTRIBUTION.

This SOP is intended for use by controllers staffing Phuket Approach/Departure and Phuket Tower.

4. BACKGROUND.

Over time, controllers have found that having aircraft arrive via pre-approved arrival routes, either by STAR's (Standard Terminal Arrival Routes) or via vectors through pre-determined arrival "gates", provides for a more orderly traffic flow, and reduces the need for communication between Phuket Approach and other Bangkok Center positions. It is also vitally important that all facilities understand what an airplane is going to do (i.e., what altitude he has been cleared to) when he approaches an adjacent controller's airspace. These procedures outline what instructions pilots will be issued as they go from controller to controller.

5. REQUIREMENTS.

a. Frequencies:

1. Phuket Approach (VTSP_APP) shall use 124.700 (150 Mile Visibility setting)
2. Phuket Tower (VTSP_TWR) shall use 118.10 (25 Mile Visibility Setting)
4. Phuket Ground (VTSP_GND) shall use 121.90 (10 Mile Visibility Setting)
5. Phuket ATIS frequency will be 128.00

6. OPERATIONS.

A. Phuket Approach/Departure:

1. Airspace:

- a. Normal Operations – Control Zone (CTR), Phuket Approach/Departure owns that airspace depicted on the sector file in red from the surface to 2000 AGL, centered on PUT VOR extending out 10 NM.
- b. Normal Operations – Terminal Control Area (TMA), Phuket Approach/Departure owns that airspace depicted on the sector file in green from 2000 to 11000 MSL, centered on PUT VOR extending out 30 NM.

2. Special Instructions:

- a. When winds are 5 Knots or less Phuket International Airport shall utilize runway 27 as its calm wind runway
- b. When winds are greater than 5 knots the runway most inline with the winds shall be used, except
 - i. When winds favor runway 09 but weather minimums are below all approach minimums.
 - ii. Upon special request from the pilot.
 - iii. When winds favor runway 09 and do to the pilots abilities he is unable to fly VOR or RNAV approaches to runway 09..

B. Phuket Arrivals Normal Operations West Flow:

1. Non-RNAV/GPS/FMC equipped aircraft or any aircraft requesting shall be issued vectors from their entry gate to the final approach course or to the IAF to fly the approach assigned.
2. All RNAV, GPS and FMC (that are able to fly STARS) equipped aircraft shall be issued instructions and given a clearance to fly the appropriate RNAV arrival for their filed arrival gate.
3. Authorized STARS:

Airway	Gates/Arrival	Runway
(L759)	SURIN-SURIN1D	27
(L515/R325)	MOSTA-MOSTA1D	27
(G331)	LINZY-LINZY1D	27
(W34)	KIKOT-KIKOT1D	27
(G458)	MODON-MODON1D	27
(Y3)	PANYE-PANYE1D	27
(R575/W33)	SAMOS-SAMOS1D	27
(R588)	PLUTO-PLUTO1D	27
(W14)	BORNA-BORNA1D	27
(R325)	ROMBO-ROMBO1D	27
(B579)	MICKY-MICKY1D	27
(P627)	OSITO-OSITO1D	27
(L645)	NICON-NICON1D	27

C. Phuket Arrivals Normal Operations East Flow:

1. Non-RNAV/GPS/FMC equipped aircraft or any aircraft requesting shall be issued vectors from their entry gate to the final approach course or to the IAF to fly the approach assigned.
2. All RNAV, GPS and FMC (that are able to fly STARS) equipped aircraft shall be issued instructions and given a clearance to fly the appropriate RNAV arrival for their filed arrival gate.
3. Authorized STARS:

Airway	Gates/Arrival	Runway
(L759)	SURIN-SURIN1C	09
(L515/R325)	MOSTA-MOSTA1C	09
(G331)	LINZY-LINZY1C	09
(W34)	KIKOT-KIKOT1C	09
(G458)	MODON-MODON1C	09
(Y3)	PANYE-PANYE1C	09
(R575/W33)	SAMOS-SAMOS1C	09
(R588)	PLUTO-PLUTO1C	09
(W14)	BORNA-BORNA1C	09
(R325)	ROMBO-ROMBO1C	09
(B579)	MICKY-MICKY1C	09
(P627)	OSITO-OSITO1C	09
(L645)	NICON-NICON1C	09

D. Phuket Departures Normal Operations West Flow:

1. Aircraft filing "NO SID" or are not RNAV/GPS/FMC equipped (or those that have not filed for an approved SID) shall be vectored as if on one of the approved SIDs, so that all traffic passes through the approved departure gates.
2. ALL non-RNAV/GPS/FMC equipped aircraft or aircraft NOT indicating "NO SID" in the remarks section of the flight plan shall be Assigned:
 - STN1B SID for flight on airway G458
 - TRN1B SID for flights on airway W14
 - UTHAI1B SID for flight on airway R325
 - Radar Vectors to Join all other airways
3. All Aircraft with RNAV/GPS/FMC equipment shall be received from tower and cleared to fly the filed RNAV departure.

Airway	Gates/SID	Runway
(L759)	SURIN-SURIN1B	27
(L515/R325)	MOSTA-MOSTA1B	27
(G331)	LINZY-LINZY1B	27
(W34/Y5)	KIKOT-KIKOT1B	27
(G458)	MODON-MODON1B	27
(R575/W33)	SAMOS-SAMOS1B	27
(R588)	PLUTO-PLUTO1B	27
(W14)	BORNA-BORNA1B	27
(R325)	ROMBO-ROMBO1B	27
(B579)	MICKY-MICKY1B	27
(P627)	OSITO-OSITO1B	27
(L645)	NICON-NICON1B	27

E. Phuket Departures Normal Operations East Flow:

1. Aircraft filing "NO SID" or are not RNAV/GPS/FMC equipped (or those that have not filed for an approved SID) shall be vectored as if on one of the approved SIDs, so that all traffic passes through the approved departure gates.
2. ALL Non-RNAV/GPS/FMC equipped aircraft or aircraft NOT indicating "NO SID" in the remarks section of the flight plan shall be Assigned:
 - STN1A SID for flight on airway G458
 - TRN1A SID for flights on airway W14
 - UTHAI1A SID for flight on airway R325
 - Radar Vectors to Join all other airways
2. All Aircraft with RNAV/GPS/FMC equipment shall be received from tower and cleared to fly the filed RNAV departure.

Airway	Gates/Arrival	Runway
(L759)	SURIN-SURIN1A	09
(L515/R325)	MOSTA-MOSTA1A	09
(G331)	LINZY-LINZY1A	09
(W34/Y5)	KIKOT-KIKOT1A	09
(G458)	MODON-MODON1A	09
(R575/W33)	SAMOS-SAMOS1A	09
(R588)	PLUTO-PLUTO1A	09
(W14)	BORNA-BORNA1A	09
(R325)	ROMBO-ROMBO1A	09
(B579)	MICKY-MICKY1A	09

(P627)
(L645)

OSITO-OSITO1A
NICON-NICON1A

09
09

F. Phuket (VTSP) Operations (Tower)

1. Aircraft with RNAV/GPS/FMS capabilities will be issued the appropriate RNAV SID for their filed departure gate.
2. Aircraft with non-RVAV capabilities will be issued a "Pilot Nav" SID or departure instruction and Advised to expect vectoring to their departure gate.
3. All turbo jet/turbo prop/prop aircraft will be issue there filed cruise altitude as the initial altitude.
3a. Approach/Center will issue any needed altitude restrictions.
4. Ground and Tower positions USING VRC/ARC will NOT Tag up (Track) aircraft.
5. Ground and Tower position using Euroscope will Tag up (Track) aircraft

G. ATS Routing

A. RVSM Procedures: The following procedures shall be applied when aircraft file for flights along these airways.

1. **Y-4**

- Single direction (North) RNAV airway / Odd Flight levels

2. **Y-5**

- Single direction (North) RNAV airway / Odd Flight levels

B. Normal Preferred Routing:

1. VTSP to VTBD/VTBS and points North
 - a. RNAV – MODON1A/B MODON STN G458 HOTEL
 - b. Non-RNAV-STN1A/B STN G458 HOTEL
2. ALT Route VTSP to VTBD/VTBS and points North
 - a. RNAV ONLY- KIKOT1A/B KIKOT Y5 HOTEL

C. Special Preferred Routing:

1. VTD58 Active, VTSP to VTBD/VTBS and points North
 - a. RNAV- SAMOS1A/B SAMOS W33 RECNO Y4 MENEX G458 HOTEL
 - b. Non-RNAV- PUT W33 SMU W32 REGOS W19 GUTSO
2. VTD59 Active, VTSP to VTBD/VTBS and points North
 - a. RNAV- SAMOS1A/B SAMOS W33 RECNO Y4 MENEX G458 HOTEL
 - b. Non-RNAV- PUT W33 SMU W32 REGOS W19 GUTSO
3. VTD60-1&2 Active, VTSP to VTBD/VTBS and points North
 - a. RNAV ONLY- KIKOT1A/B KIKOT Y5 HOTEL
 - b. Non-RNAV PUT W34 MENEX G458 HOTEL
4. VTD61 Active, VTSP to VTBD/VTBS and points North
 - a. RNAV ONLY- KIKOT1A/B KIKOT Y5 HOTEL
 - b. Non-RNAV PUT W34 MENEX G458 HOTEL

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