



Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

STANDARD OPERATING PROCEDURE (SOP)

**DOCUMENT NUMBER:** HKVACC-SOP004-ANNEX-I

DATE ISSUED: 09 SEP 2023

**REVISION: 1** 

SUBJECT: Hong Kong Terminal Airspace Standard Operating Procedures Annex I

**EFFECTIVE DATE: 09 SEP 2023** 

SCOPE: Outlines standard techniques for online ATC service in Hong Kong TMA positions on VATSIM.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### PURPOSE

1.1 This Standard Operating Procedure (SOP) Annex I sets forth the procedures for all controllers providing terminal airspace air traffic control service in the Hong Kong Terminal Airspace (TMA) to improve communication, techniques, and to distinguish procedures that are specific to the online environment.

## 2. ROLES AND RESPONSIBILITIES

2.1 The Office of Primary Responsibility (OPR) for this SOP is the team under the supervision of the Facilities Director. This SOP shall be maintained, revised, updated or cancelled by the Facilities Director. Any suggestions for modification / amendment to this SOP should be sent to the Facilities Director for review.

### 3. DISTRIBUTION

3.1 This SOP is intended for controllers staffing ATC positions in the Hong Kong TMA.

### 4. BACKGROUND

4.1 Due to the complexity of sectorisation within Approach/Departure airspace, a supplementary document is required to support HKVACC-SOP004 so that controllers can have a clear idea on the responsibilities of different sectors within Approach/Departure airspace. This would also facilitate the coordination between controllers through standardising certain air traffic management strategies.

#### 5. INFORMATION ON HANDOFF AGREEMENTS

5.1. For handoff agreements, an up arrow ↑ indicates that aircraft are to be transferred whilst still climbing to that altitude, while a down arrow ↓ indicates that aircraft are to be transferred whilst descending to that altitude. Agreements with no arrows indicates that aircraft are to be transferred at the exact altitude specified in the agreement.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 6. HONG KONG APPROACH (APP)

6.1. Approach Sector in Runway 07 Operations



#### 6.1.1. Responsibilities

- Arrivals from Terminal Radar & Departure High via ABBEY, BETTY and CANTO until transferred to FAD
- Departures to PECAN
- FAD sector when the traffic volume is low

#### 6.1.2. Procedures (Inbound)

- Descend arrivals between 7000ft and FL110 on handoff from Terminal Radar or Departure
- Descend arrivals between 3000ft and 6000ft when clear of PECAN departures
- Transfer to FAD 7NM before LIMES

#### 6.1.3. Procedures (Outbound)

 PECAN – Climb to 5000ft on SID track (Note in event of a catch up, 5000ft and 6000ft be used as required). When clear of arrivals climb to FL160 and transfer to TMS





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 6.2. Approach Sector in Runway 25 Operations



#### 6.2.1. Responsibilities

- Arrivals from Terminal Radar & Departure via ABBEY, BETTY and CANTO until transferred to FAD
- FAD sector when the traffic volume is low

#### 6.2.2. Procedures (Inbound)

- Descend arrivals to 6000ft on handoff from Terminal Radar or Departure
- Transfer to FAD 5NM before TD

#### 6.3. Note to Hong Kong Approach

**6.3.1.** During Runway 07 Noise Abatement Operations, the SID tracks route south after PORPA instead of routing via the harbour, bringing traffic out over the sea. The section of airspace around PORSH and RAMEN lies within Approach airspace, however this airspace is released to Hong Kong Departure for climb up to 6000ft. Departure will not climb traffic above 6000ft until they are clear of VHHH arrivals. Therefore, VHHH arrivals should be kept at 7000ft or above until they are clear of GUAVA/RAMEN.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### 6.4. Handoff Agreements

### 6.4.1. Runway 07 Operations

## From Terminal Radar South (VHHH\_S\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MANGO
VHHX	FL140	Abeam MANGO

## From Terminal Radar West (VHHH\_W\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL110	MURRY
VHHX	FL140	Abeam MURRY

## From Departure High (VHHH\_H\_DEP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL110	After TD
VHHX	FL120	After abeam TD

## From Departure (VHHH\_DEP) to Approach (VHHH\_APP)

From	Altitude	Handoff Location
VHHH	5000ft	After PORPA
VHHX (SABNO1B, EPDOS1A,	A 0000ft	After MILICIATY
IDOSI1A, IDOSI1B, SIKOU1A)	↑ 9000ft	After WHISKEY

## From Approach (VHHH\_APP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHH	↓ 3000 – 6000ft	7nm to LIMES

### From Approach (VHHH\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	↓ 8000ft	10nm to CH





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Approach (VHHH\_APP) to Terminal Radar South (VHHH\_S\_APP)

From	Altitude	Handoff Location
VHHX (SABNO1B)	FL140	Abeam MANGO

### From Approach (VHHH\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VHHH, VMMC, ZGSZ	FL160	TITAN

#### From Approach (VHHH\_APP) to Terminal Radar West (VHHH\_W\_APP)

From	Altitude	Handoff Location
VHHX (EPDOS1A, IDOSI1A,	F1440	10nm before sector boundary
IDOSI1B, SIKOU1A)	FL140	(note 1)

VHHX EPDOS1A, IDOSI1A & SIKOU1A departures will enter Terminal Radar South airspace near ALLEY. Coordination with TMS shall be done such that they do not conflict with VHHH & VMMC outbounds as well as VMMC inbounds via ROBIN.

### 6.4.2. Runway 25 Operations

### From Terminal Radar South (VHHH\_S\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MANGO
VHHX	FL140	Abeam MANGO

### From Terminal Radar East (VHHH\_E\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MUSEL
VHHX	FL140	Abeam MUSEL (note 1)

1. The airspace ceiling for Hong Kong Approach is FL130 at the boundary with Terminal Radar East, however for the purposes of handling VHHX inbound traffic this airspace is delegated to Hong Kong Approach up to FL140.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Approach (VHHH\_APP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHH	↓ 6000 – 8000ft	5nm to TD
VHHH (ABBEY1G, BETTY1G)	↓ 5000ft	ALAPI (note 1)
VHHX	↓ 8000ft	After abeam TD

<sup>1.</sup> The initial approach fix for ABBEY/BETTY/CANTO1G arrivals is GUAVA, which lies within Departure airspace. This airspace is delegated to Hong Kong Director whenever an aircraft is on the procedure.

## From Approach (VHHH\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	↓ 8000ft	After abeam TD

## From Approach (VHHH\_APP) to Departure (VHHH\_DEP)

From	Altitude	Handoff Location
VHHX (DOTMI, ELATO, ENVAR,	↑ FL130	On approaching FL130
NOMAN, SABNO)		
VHHX (EPDOS, IDOSI, SIKOU)	↑ FL110	On approaching FL110 (note 1)

VHHX EPDOS, IDOSI and SIKOU departures will be in close proximity with VHHH outbounds near TUNNA and SAMON. Hong Kong Departure shall be responsible for separating these departures against VHHH outbounds.

## From Approach (VHHH\_APP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHX (BEKOL1A)	↑ FL160	After JULIETT (note 1)

<sup>1.</sup> VHHX BEKOL1A departures will enter Director airspace near TH. Coordination shall be done with FAD such that they do not conflict with VHHH inbounds.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 7. FINAL APPROACH DIRECTOR (FAD)

# 7.1. Final Approach Director Sector in Runway 07 Operations



### 7.1.1. Responsibilities

- Tactically control aircraft to achieve accurate and consistent spacing
- Coordination between Tower and Final Approach Director regarding runway occupancy time (ROT) such that if the spacing results in a large number of late landing clearances, Tower must ask Final Approach Director to increase the spacing before missed approaches start to occur

## 7.1.2. Procedures

- Aircraft intercept localiser at 1700ft
- All aircraft fly a strict speed regime and then are permitted to reduce speed as required inside 5 DME. 180kts is used on base leg and 160kts to 5 DME





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### 7.2. Final Approach Director Sector in Runway 25 Operations



#### 7.2.1. Responsibilities

• Please refer to Section 6.1.1.

#### 7.2.2. Procedures

- Aircraft intercept localiser at 4500ft
- All aircraft fly a strict speed regime and then are permitted to reduce speed as required inside 5 DME. 210kts is used on base leg, 180kts to 7 DME, and 160kts to 5 DME

#### 7.3. Note to Final Approach Director

- 7.3.1. During strong northerly wind, ground speed increases on final causing increase in spacing (pull-away). Less than 4 miles spacing is required on base leg (vertical separation must be maintained) to achieve 4 miles on final. On the other hand, during strong southerly wind, ground speed reduces on final causing decrease in spacing (catch-up). More than 4 miles spacing is required on base leg but controlling speed during the turn is demanding. Not recommended to use NATS Style Final Approach Spacings (68-second spacing) in 07 operations.
- 7.3.2. During Runway 25 Operations, the IGS approach to Runway 13 at Kai Tak lies mostly within Director airspace. Therefore, the section of Departure airspace that contains the initial portion of the IGS approach (i.e. CH to GOLF) is delegated to Hong Kong Director whenever an aircraft flies the IGS approach. Hong Kong Director shall be mindful of VHHH arrivals conflicting with aircraft flying the IGS.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 7.4. Handoff Agreements

### 7.4.1. Runway 07 Operations

## From Approach (VHHH\_APP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHH	↓ 3000 – 6000ft	7nm to LIMES

## 7.4.2. Runway 25 Operations

## From Approach (VHHH\_APP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHH	↓ 6000 – 8000ft	5nm to TD
VHHH (ABBEY1G, BETTY1G)	↓ 5000ft	ALAPI (note 1)
VHHX	↓ 8000ft	After TD

The initial approach fix for ABBEY/BETTY/CANTO1G arrivals is GUAVA, which lies within Departure airspace. This airspace is delegated to Hong Kong Director whenever an aircraft is on the procedure.

### From Departure (VHHH\_DEP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHX	↓ 8000ft	On approaching 8000ft





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 8. HONG KONG DEPARTURE (DEP)

## 8.1. Departure Sector in Runway 07 Operations



## 8.1.1. Responsibilities

- Hong Kong Departures
- Macau 34 Departures via Hong Kong FIR
- Shenzhen Arrivals via BEKOL
- DEH sector when the traffic volume is low





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 8.1.2. Procedures (Outbound)

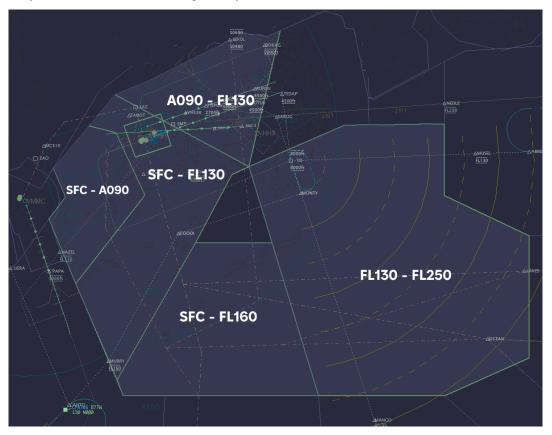
- LAKES Climb to 9000ft on SID track (Note in event of a catch up, 5000ft, 6000ft, 7000ft and 8000ft can be used as required). On passing TD and clear of VHHH arrivals, climb to FL170 (if RFL below S0690/FL226), FL230 (if RFL S0690/FL226 or above)
- OCEAN Climb to 9000ft on SID track (Note in event of a catch up, 5000ft, 6000ft, 7000ft and 8000ft can be used as required). On passing TD and clear of VHHH arrivals, climb to FL250.
- BEKOL Climb to 9000ft on SID track (Note in event of a catch up, 5000ft, 6000ft, 7000ft and 8000ft can be used as required). On passing TD and clear of VHHH arrivals, climb to FL160 and transfer to DEH, or climb to RFL if below FL160.
- PECAN Climb to 6000ft on SID track and transfer to APP (Note in event of a catch up, 5000ft and 6000ft can be used as required)





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 8.2. Departure Sector in Runway 25 Operations



### 8.2.1. Responsibilities

- Hong Kong Departures
- Macau 34 Departures via Hong Kong FIR
- DEH sector when the traffic volume is low

## 8.2.2. Procedures (Outbound)

- LAKES/OCEAN Climb to FL130 on SID track (Note in event of a catch-up, lower altitudes can be used as required). After passing the MURRY arrival corridor climb to FL160.. Reach FL140 by TROUT. After passing TROUT climb to FL250
- BEKOL Climb to FL130 on SID track (Note in event of a catch-up, lower altitudes can be
  used as required). After passing the MURRY arrival corridor, climb to FL160 and transfer to
  DEH, or climb to RFL if below FL160 and transfer to DEH/APP as appropriate
- PECAN Climb to FL130 on SID track (Note in event of a catch-up, lower altitudes can be used as required). After passing the MURRY arrival corridor, climb to FL160 and transfer to TMS





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 8.3. Note to Hong Kong Departure

- **8.3.1.** During Runway 07 Noise Abatement Operations, the SID tracks route south after PORPA instead of routing via the harbour, bringing traffic out over the sea. The section of airspace around PORSH and RAMEN lies within Approach airspace, however this airspace is released to Hong Kong Departure for climb up to 6000ft. Approach will not descend traffic below 7000ft until they are clear of VHHH departures. Therefore, VHHH departures should be kept at 6000ft or below until they are clear of GUAVA/RAMEN.
- **8.3.2.** During Runway 07 Operations, the IGS approach to Runway 13 at Kai Tak lies mostly within Departure airspace. Therefore, the section of Approach airspace that contains the initial portion of the IGS approach (i.e. CH to GOLF) is delegated to Hong Kong Departure whenever an aircraft flies the IGS approach. Hong Kong Departure shall be mindful of VHHH departures conflicting with aircraft flying the IGS.
- **8.3.3.** During Runway 07 Operations with both Departure and Departure High online, the airspace around TD is split such that DEP owns the airspace from SFC to 9000ft, and from FL110 to FL250. Additionally, the airspace around TAMAR is split such that DEP owns the airspace from SFC to 9000ft, and from FL150 to FL250. This is done to facilitate ABBEY arrivals to VHHH. Departure shall not climb/descend aircraft without prior coordination with Departure High to prevent conflicts with arriving aircraft.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 8.4. Handoff Agreements

### 8.4.1. Runway 07 Operations

## From Departure (VHHH\_DEP) to Approach (VHHH\_APP)

From	Altitude	Handoff Location
VHHH	5000ft	After PORPA
VHHX (SABNO1B, EPDOS1A,	† 9000ft	After WHISKEY
IDOSI1A, IDOSI1B, SIKOU1A)		

## From Departure (VHHH\_DEP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHH	↑ FL160	After TD
VHHX (BEKOL1A)	↑ FL160	After JULIETT

## From Departure (VHHH\_DEP) to Area Radar East 1 (HKG\_E1\_CTR)

From	Altitude	Handoff Location
VHHH, VMMC (ELATO, ENVAR)	↑ FL250	OCEAN
VHHH, VMMC (DOTMI, LELIM)	↑ FL170, ↑ FL230	LAKES (note 1)
VHHX (DOTMI, ELATO, ENVAR)	↑ FL250	Abeam/At KILOG

<sup>1.</sup> Aircraft with RFL below S0690 (FL226) shall be climbed to FL170, whilst aircraft with RFL above S0690 (FL226) shall be climbed to FL230.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Departure (VHHH\_DEP) to Area Radar South (HKG\_S\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (NOMAN,	A FLOEO	CCEAN
SABNO)	↑ FL250	OCEAN
VHHX (NOMAN1A, NOMAN1B,	A EL 0E0	Al OCEAN
SABNO1A)	↑ FL250	Abeam OCEAN

## From Departure (VHHH\_DEP) to Zhuhai Approach (ZGJD\_APP)

То	Altitude	Handoff Location
ZGSZ	S0180 (5900ft)	BEKOL (note 1)
ZGGG	S0420 (FL138), S0450 (FL148)	BEKOL (note 1)

<sup>1.</sup> This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.

### 8.4.2. Runway 25 Operations

## From Terminal Radar South (VHHH\_S\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	FL140	Abeam MANGO

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	FL140	Abeam MANGO

## From Departure High (VHHH\_H\_DEP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	FL130	Once clear of arrival corridor





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Departure (VHHH\_DEP) to Director (VHHH\_F\_APP)

То	Altitude	Handoff Location
VHHX	↓ 8000ft	On approaching 8000ft

## From Departure (VHHH\_DEP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHH	↑ FL160	On approaching FL160 and clear of arrival corridor

### From Departure (VHHH\_DEP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VHHH, VMMC	FL160	TITAN

### From Departure (VHHH\_DEP) to Area Radar East 1 (HKG\_E1\_CTR)

From	Altitude	Handoff Location
VHHH, VMMC (ELATO, ENVAR)	↑ FL250	OCEAN
VHHH, VMMC (DOTMI, LELIM)	↑ FL170, ↑ FL230	LAKES (note 1)
VHHX (DOTMI, ELATO, ENVAR)	↑ FL250	Abeam/At KILOG

<sup>1.</sup> Aircraft with RFL below S0690 (FL226) shall be climbed to FL170, whilst aircraft with RFL above S0690 (FL226) shall be climbed to FL230.

## From Departure (VHHH\_DEP) to Area Radar South (HKG\_S\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (NOMAN, SABNO)	↑ FL250	OCEAN
VHHX (NOMAN1A, NOMAN1B, SABNO1A)	↑ FL250	Abeam OCEAN





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Departure (VHHH\_DEP) to Zhuhai Approach (ZGJD\_APP)

То	Altitude	Handoff Location
ZGSZ	S0180 (5900ft)	BEKOL (note 1 & 2)

- 1. This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.
- **2.** Aircraft flying BEKOL2B to ZGSZ will enter Director airspace. Coordination shall be made with FAD to prevent conflicts with VHHH 25 arrivals.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

# 9. HONG KONG DEPARTURE HIGH (DEH)

## 9.1. Departure High Sector in Runway 07 Operations



#### 9.1.1. Responsibilities

- Hong Kong Departures via BEKOL
- Hong Kong Arrivals via MUSEL
- Macau Arrivals from NEDLE
- Guangzhou Arrivals

#### 9.1.2. Procedures (Outbound)

 Climb BEKOL traffic via Guangzhou FIR to S0690 (FL226), ensuring that they are at least above S0480 (FL157) before transferring to Guangzhou Control



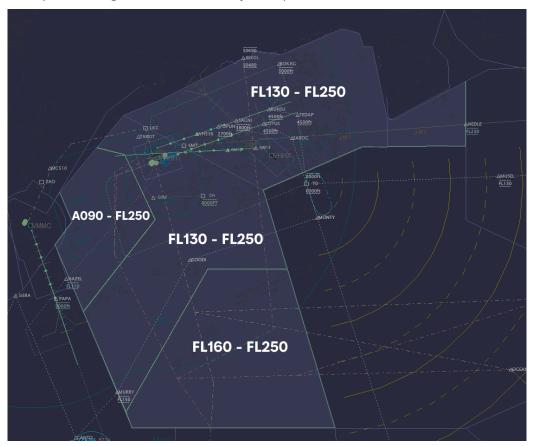


Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 9.1.3. Procedures (Inbound)

- Descend VHHH arrivals via MUSEL to FL110 then transfer to APP
- Clear VMMC arrivals via SMT for the STAR (SMT4A/SMT5B) and descend them to FL110, then transfer to MCR
- Descend ZGGG arrivals to S0420 (FL138) or S0450 (FL148), then transfer to Zhuhai Approach. Coordinate with DEP for aircraft transferred at S0420 (FL138)

## 9.2. Departure High Sector in Runway 25 Operations



### 9.2.1. Responsibilities

- Hong Kong Departures via BEKOL
- Hong Kong Arrivals via MURRY
- Macau Arrivals from NEDLE
- Guangzhou Arrivals





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 9.3. Note to Hong Kong Departure High

9.3.1. During Runway 07 Operations with both Departure and Departure High online, the airspace around TD is split such that DEH owns the airspace from 9000ft to FL110, and the airspace around TAMAR is split such that DEH owns the airspace from 9000ft to FL150. The airspace below and above DEH in these two sectors are owned by Hong Kong Departure. This is done to facilitate ABBEY arrivals to VHHH. Departure High shall not climb/descend aircraft without prior coordination with DEP to prevent conflicts with outbound aircraft from VHHH/VMMC.

### 9.3.2. Procedures (Outbound)

• Climb BEKOL traffic via Guangzhou FIR to S0690 (FL226), ensuring that they are at least above S0480 (FL157) before transferring to Guangzhou Control

#### 9.3.3. Procedures (Inbound)

- Descend VHHH arrivals via MURRY to FL140 after crossing GOODI and clear of the departure corridor, then transfer to APP
- Clear VMMC arrivals via SMT for the STAR (SMT4A/SMT5B) and descend them to FL110, then transfer to MCR
- Descend ZGGG arrivals to S0420 (FL138) or S0450 (FL148), then transfer to Zhuhai Approach. Coordinate with DEP for aircraft transferred at S0420 (FL138)

#### 9.4. Handoff Agreements

### 9.4.1. Runway 07 Operations

### From Departure (VHHH\_DEP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHH	↑ FL160	On approaching FL160 and
		clear of arrival corridor

#### From Approach (VHHH\_APP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHX (BEKOL1A)	↑ FL160	After JULIETT (note 1)

1. VHHX BEKOL1A departures will enter Director airspace near TH. Coordination shall be done with FAD such that they do not conflict with VHHH inbounds.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VMMC, ZGGG	FL230	NEDLE

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
ZGGG	FL220	SAPAX

### From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VHHH	FL130	MUSEL

#### From Departure High (VHHH\_H\_DEP) to Guangzhou Control (ZGGG\_CTR)

То	Altitude	Handoff Location
Guangzhou FIR	† S0690 (FL226) but not	BEKOL (note 1)
_	below S0480 (FL157)	

**1.** This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.

## From Departure High (VHHH\_H\_DEP) to Zhuhai Approach (ZGJD\_APP)

То	Altitude	Handoff Location
ZGGG	S0420 (FL138), S0450 (FL148)	TAMOT (note 1 & 2)

- 1. This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.
- 2. Descent to S0420 (FL138) requires coordination with DEP due to DEP airspace ceiling being FL130.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Departure High (VHHH\_H\_DEP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	HAZEL

## From Departure High (VHHH\_H\_DEP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL110	After TD

#### 9.4.2. Runway 25 Operations

## From Departure High (VHHH\_H\_DEP) to Guangzhou Control (ZGGG\_CTR)

То	Altitude	Handoff Location
Guangzhou FIR	↑ S0690 (FL226) but not	BEKOL (note 1)
	below S0480 (FL157)	

<sup>1.</sup> This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.

### From Departure (VHHH\_DEP) to Departure High (VHHH\_H\_DEP)

From	Altitude	Handoff Location
VHHH	↑ FL160	After TD
VHHX (BEKOL1A)	↑ FL160	After JULIETT

### From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VMMC, ZGGG	FL230	NEDLE

#### From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
ZGGG	FL220	SAPAX





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Terminal Radar West (VHHH\_W\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VHHH	FL150	MURRY

### From Terminal Radar West (VHHH\_W\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VHHH	FL150	MURRY
VHHX	FL140	Abeam MURRY

### From Departure High (VHHH\_H\_DEP) to Zhuhai Approach (ZGJD\_APP)

То	Altitude	Handoff Location
ZGGG	S0420 (FL138), S0450 (FL148)	TAMOT (note 1 & 2)

- 1. This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.
- 2. Descent to S0420 (FL138) requires coordination with DEP due to DEP airspace ceiling being FL130.

## From Departure High (VHHH\_H\_DEP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	HAZEL

### From Departure High (VHHH\_H\_DEP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	FL130	Once clear of arrival corridor

## From Departure High (VHHH\_H\_DEP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL140	After GOODI





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 10. MACAU RADAR CONTROL (MCR)

# 10.1. Macau Radar Sector



### 10.2. Responsibilities

- Macau 16 Departures
- Macau Arrivals
- Shenzhen Arrivals
- Holding at PAPA

### 10.3. Procedures (Outbound)

- SOUSA, CONGA, GRUPA Climb to 9000ft and transfer to TMS
- ALLEY Climb to FL120 and transfer to TMS
- BIGRO Climb to S0150 (4900ft) and transfer to Zhuhai Approach on approaching U
- NLG, SHL Climb to S0180 (5900ft) and transfer to Zhuhai Approach on approaching MCU





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 10.4. Procedures (Inbound)

- Clear VMMC arrivals via CHALI for their STAR (CHALI4A/CHALI5B)
- During Runway 34 Operations, clear VMMC arrivals for their approach (ILS X by default). Aircraft arriving via HAZEL should be given the QNH with the approach clearance as they will begin the approach at FL110
- During Runway 16 Operations, descend VMMC arrivals to S0270 (8900ft) and transfer to Zhuhai Approach before INDUS
- Descend ZGSZ arrivals to S0330 (FL108) and transfer to Zhuhai Approach before LANDA

### 10.5. Handoff Agreements

### 10.5.1. Runway 16 Operations

From Departure High (VHHH\_H\_DEP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	HAZEL

## From Area Radar West (HKG\_W\_CTR) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL120	COTON

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	15nm before CHALI

### From Macau Radar Control (VMMC\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VMMC (SOUSA, CONGA, GRUPA)	† 9000ft	After MULET
VMMC (ALLEY)	† FL120	After MULET





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Macau Radar Control (VMMC\_APP) to Zhuhai Approach (ZGJD\_APP)

То	Altitude	Handoff Location
VMMC	S0270 (8900ft)	INDUS (note 1)
ZGSZ	S0330 (FL108)	LANDA (note 1)

<sup>1.</sup> This is an external agreement with VATPRC. As such, internal handoff releases are not applicable to this agreement and controllers shall adhere to the LoA between Hong Kong FIR and Guangzhou FIR when initiating a handoff per this agreement.

#### 10.5.2. Runway 34 Operations

From Departure High (VHHH\_H\_DEP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	HAZEL

### From Area Radar West (HKG\_W\_CTR) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL120	COTON

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	15nm before CHALI





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 11. TERMINAL RADAR WEST (TMW)

### 11.1. Terminal Radar West Sector



### 11.2. Responsibilities

- Hong Kong Arrivals via CANTO/SIERA
- Shenzhen Departures via SIERA
- Holding at CANTO/COMBI

## 11.3. Runway 07 Operations

#### 11.3.1. Procedures (Outbound)

Climb Shenzhen Departures to FL250 and transfer to TM1

#### 11.3.2. Procedures (Inbound)

• Clear VHHH arrivals for their STAR (CANTO3A/SIERA7A/SIERA7C) and descend to FL110, then transfer to APP





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### 11.4. Runway 25 Operations

### 11.4.1. Procedures (Outbound)

• Climb Shenzhen Departures to FL250 and transfer to TM1

#### 11.4.2. Procedures (Inbound)

 Clear VHHH arrivals for their STAR (CANTO2B/CANTO1G/SIERA6B/SIERA6D/SIERA1G) and descend to FL150, then transfer to DEH

### 11.5. Handoff Agreements

### 11.5.1. Runway 07 Operations

### From Zhuhai Approach (ZGJD\_APP) to Terminal Radar West (VHHH\_W\_APP)

From	Altitude	Handoff Location
ZGSZ	FL120	SIERA

## From Area Radar West (HKG\_W\_CTR) to Terminal Radar West (VHHH\_W\_APP)

То	Altitude	Handoff Location
VHHH	FL260	MAPLE
VHHX	FL250	Abeam MAPLE

### From Guangzhou Control (ZGGG\_CTR) to Terminal Radar West (VHHH\_W\_APP)

То	Altitude	Handoff Location
VHHH	FL190, FL210, FL230	SIERA

## From Approach (VHHH\_APP) to Terminal Radar West (VHHH\_W\_APP)

From	Altitude	Handoff Location
VHHX (EPDOS1A, IDOSI1A,	FL140	10nm before sector boundary
IDOSI1B, SIKOU1A)	FL140	(note 1)

1. VHHX EPDOS1A, IDOSI1A & SIKOU1A departures will enter Terminal Radar South airspace near ALLEY. Coordination with TMS shall be done such that they do not conflict with VHHH & VMMC outbounds as well as VMMC inbounds via ROBIN.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Terminal Radar West (VHHH\_W\_APP) to Area Radar West (HKG\_W\_CTR)

From	Altitude	Handoff Location
VHHX (IDOSI1B)	↑ FL250	On approaching FL250

### From Terminal Radar West (VHHH\_W\_APP) to Area Radar West 1 (HKG\_W1\_CTR)

From	Altitude	Handoff Location
VHHX (EPDOS1A, IDOSI1A, SIKOU1A)	↑ FL250	On approaching FL250

### From Terminal Radar West (VHHH\_W\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL110 - FL130	MURRY
VHHX	FL140	Abeam MURRY

### From Terminal Radar West (VHHH\_W\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
ZGSZ	↑ FL250	After ROCCA

### 11.5.2. Runway 25 Operations

### From Zhuhai Approach (ZGJD\_APP) to Terminal Radar West (VHHH\_W\_APP)

From	Altitude	Handoff Location
ZGSZ	FL120	SIERA

### From Area Radar West (HKG\_W\_CTR) to Terminal Radar West (VHHH\_W\_APP)

То	Altitude	Handoff Location
VHHH	FL260	MAPLE
VHHX	FL260	Abeam MAPLE





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Guangzhou Control (ZGGG\_CTR) to Terminal Radar West (VHHH\_W\_APP)

То	Altitude	Handoff Location
VHHH	FL190, FL210, FL230	SIERA

### From Approach (VHHH\_APP) to Terminal Radar West (VHHH\_W\_APP)

From	Altitude	Handoff Location
VHHX (EPDOS1A, IDOSI1A,	FI 140	10nm before sector boundary
IDOSI1B, SIKOU1A)	FL140	(note 1)

VHHX EPDOS1A, IDOSI1A & SIKOU1A departures will enter Terminal Radar South airspace near ALLEY. Coordination with TMS shall be done such that they do not conflict with VHHH & VMMC outbounds as well as VMMC inbounds via ROBIN.

## From Terminal Radar West (VHHH\_W\_APP) to Area Radar West (HKG\_W\_CTR)

From	Altitude	Handoff Location
VHHX (IDOSI1B)	↑ FL250	On approaching FL250

### From Terminal Radar West (VHHH\_W\_APP) to Area Radar West 1 (HKG\_W1\_CTR)

From	Altitude	Handoff Location
VHHX (EPDOS1A, IDOSI1A,	↑ FL250	On approaching FL250
SIKOU1A)	FL250	On approaching FL250

#### From Terminal Radar West (VHHH\_W\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VHHH	FL150	MURRY
VHHX	FL140	Abeam MURRY

### From Terminal Radar West (VHHH\_W\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
ZGSZ	↑ FL250	After ROCCA





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 12. TERMINAL RADAR SOUTH 1 (TM1)

### 12.1. Terminal Radar South 1 Sector



### 12.2. Responsibilities

- Hong Kong/Macau/Shenzhen Departures via TITAN
- Shenzhen Departures via SKATE/ALLEY
- Macau Arrivals via ROBIN
- Guangzhou Arrivals from the Southwest





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### 12.3. Note to Terminal South 1

12.3.1. During Runway 07 Operations, Approach will climb PECAN departures to FL160 and transfer them whilst inbound TITAN. It is recognised that aircraft will often reach FL160 before passing TITAN, therefore, to mitigate this a blanket release procedure is available to TM1. To avoid having to individually coordinate every aircraft, TM1 can request that DEH release the airspace above FL160 to climb PECAN departures to FL250 before reaching TITAN. It is essential that DEH is notified whenever this procedure is in effect.

#### 12.4. Procedures (Outbound)

Climb Hong Kong/Macau/Shenzhen Departures to FL250 and transfer to TRW/TW1

### 12.5. Procedures (Inbound)

- Descend VMMC arrivals to FL110 to be level 15NM before CHALI and transfer to MCR
- Descend ZGGG arrivals to FL220 and transfer to DEH.

#### 12.6. Handoff Agreements

### 12.6.1. Runway 07 Operations

From Approach (VHHH\_APP) / Departure (VHHH\_DEP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VHHH, VMMC	FL160	TITAN

### From Macau Radar Control (VMMC\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VMMC (SOUSA, CONGA, GRUPA)	† 9000ft	After MULET
VMMC (ALLEY)	† FL120	After MULET

### From Terminal Radar West (VHHH\_W\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
ZGSZ	↑ FL250	After ROCCA





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Area Radar South 1 (HKG\_S1\_CTR) to Terminal Radar South 1 (VHHH\_S1\_APP)

То	Altitude	Handoff Location
ZGGG	FL260	ISBAN
VHHX	FL250	Abeam ISBAN

## From Area Radar West (HKG\_W\_CTR) to Terminal Radar South 1 (VHHH\_S1\_APP)

То	Altitude	Handoff Location
ZGGG	FL260	CHALI

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Area Radar West (HKG\_W\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (SIKOU)	↑ FL250	ALLEY
ZGSZ (ELATO, ENVAR, NOMAN, SABNO)	FL250	On approaching FL250

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Area Radar West 1 (HKG\_W1\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (IDOSI,	↑ FL250	ALLEY/LAXET
EPDOS)	11230	ALLLIJLANLI

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	15nm before CHALI

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
ZGGG	FL220	SAPAX

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHX	FL140	Abeam MANGO





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 12.6.2. Runway 25 Operations

### From Approach (VHHH\_APP) / Departure (VHHH\_DEP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VHHH, VMMC	FL160	TITAN

### From Macau Radar Control (VMMC\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
VMMC (SOUSA, CONGA, GRUPA)	† 9000ft	After MULET
VMMC (ALLEY)	↑ FL120	After MULET

### From Terminal Radar West (VHHH\_W\_APP) to Terminal Radar South 1 (VHHH\_S1\_APP)

From	Altitude	Handoff Location
ZGSZ	↑ FL250	After ROCCA

## From Area Radar South 1 (HKG\_S1\_CTR) to Terminal Radar South 1 (VHHH\_S1\_APP)

То	Altitude	Handoff Location
ZGGG	FL260	ISBAN
VHHX	FL250	Abeam ISBAN

### From Area Radar West (HKG\_W\_CTR) to Terminal Radar South 1 (VHHH\_S1\_APP)

То	Altitude	Handoff Location
ZGGG	FL260	CHALI





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Area Radar West (HKG\_W\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (SIKOU)	↑ FL250	ALLEY
ZGSZ (ELATO, ENVAR, NOMAN, SABNO)	FL250	On approaching FL250

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Area Radar West 1 (HKG\_W1\_CTR)

From	Altitude	Handoff Location
ZGSZ, VHHH, VMMC (IDOSI,	↑ FL250	ALLEY/LAXET
EPDOS)	FL250	ALLET/LAXET

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Macau Radar Control (VMMC\_APP)

То	Altitude	Handoff Location
VMMC	FL110	15nm before CHALI

### From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
ZGGG	FL220	SAPAX

## From Terminal Radar South 1 (VHHH\_S1\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX	FL140	Abeam MANGO





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## 13. TERMINAL RADAR SOUTH (TMS)

### 13.1. Terminal Radar South Sector



## 13.2. Responsibilities

Hong Kong Arrivals via BETTY

### 13.3. Runway 07 Operations

### 13.3.1. Procedures (Inbound)

• Clear VHHH arrivals for their STAR (BETTY2A), then descend to FL130 and transfer to APP

### 13.4. Runway 25 Operations





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### 13.4.1. Procedures (Inbound)

- Clear VHHH arrivals for their STAR (BETTY2B/BETTY1G), then descend to FL130 and transfer to APP
- Holding at BETTY

### 13.5. Handoff Agreements

## 13.5.1. Runway 07 Operations

### From Area Radar South (HKG\_S\_CTR) to Terminal Radar South (VHHH\_S\_APP)

То	Altitude	Handoff Location
VHHH	FL260	SONNY
VHHX	FL250	Abeam SONNY

## From Area Radar South 1 (HKG\_S1\_CTR) to Terminal Radar South (VHHH\_S\_APP)

То	Altitude	Handoff Location
VHHH	FL260	CYBER
VHHX	FL250	Abeam CYBER

## From Approach (VHHH\_APP) to Terminal Radar South (VHHH\_S\_APP)

From	Altitude	Handoff Location
VHHX (SABNO1B)	FL140	Abeam MANGO

## From Terminal Radar South (VHHH\_S\_APP) to Area Radar South 1 (HKG\_S1\_CTR)

From	Altitude	Handoff Location
VHHX	FL250	† On approaching FL250





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### From Terminal Radar South (VHHH\_S\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MANGO
VHHX	FL140	Abeam MANGO

## 13.5.2. Runway 25 Operations

### From Area Radar South (HKG\_S\_CTR) to Terminal Radar South (VHHH\_S\_APP)

То	Altitude	Handoff Location
VHHH	FL260	SONNY
VHHX	FL250	Abeam SONNY

## From Area Radar South 1 (HKG\_S1\_CTR) to Terminal Radar South (VHHH\_S\_APP)

То	Altitude	Handoff Location
VHHH	FL260	CYBER
VHHX	FL250	Abeam CYBER

## From Approach (VHHH\_APP) to Terminal Radar South (VHHH\_S\_APP)

From	Altitude	Handoff Location
VHHX (SABNO1B)	FL140	Abeam MANGO

### From Terminal Radar South (VHHH\_S\_APP) to Area Radar South 1 (HKG\_S1\_CTR)

From	Altitude	Handoff Location
VHHX	FL250	† On approaching FL250

## From Terminal Radar South (VHHH\_S\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MANGO
VHHX (NOMAN13)	FL140	Abeam MANGO





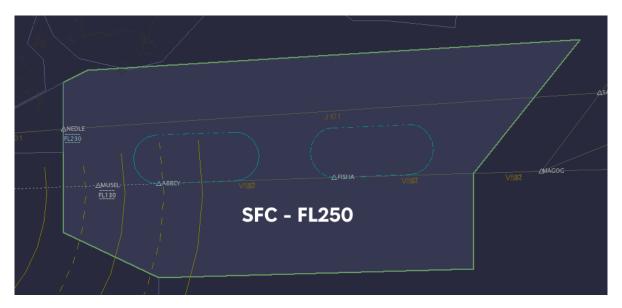
Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Terminal Radar South (VHHH\_S\_APP) to Departure (VHHH\_DEP)

То	Altitude	Handoff Location
VHHX (SABNO13)	FL140	Abeam MANGO

## 14. TERMINAL RADAR EAST (TME)

#### 14.1. Terminal Radar East Sector



### 14.2. Responsibilities

- Hong Kong Arrivals via ABBEY
- Macau Arrivals via NEDLE
- Guangzhou Arrivals via ELATO
- Holding at ABBEY/FISHA

#### 14.3. Runway 07 Operations

## 14.3.1. Procedures (Inbound)

• Clear VHHH arrivals for their STAR (ABBEY3A), then descend to FL130 and transfer to DEH

### 14.4. Runway 25 Operations

### 14.4.1. Procedures (Inbound)

 Clear VHHH arrivals for their STAR (ABBEY2B/ABBEY1G), then descend to FL130 and transfer to APP





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

#### 14.5. Handoff Agreements

## 14.5.1. Runway 07 Operations

## From Area Radar East (HKG\_E\_CTR) to Terminal Radar East (VHHH\_E\_APP)

То	Altitude	Handoff Location
VHHH	FL260	ENPET
VHHX	FL270	Abeam ENPET (note 1)
VMMC, ZGGG	FL260	After SAMMI

<sup>1.</sup> VHHX MAGOG13 arrivals are not laterally separated against VHHH ABBEY arrivals. Controllers shall use vertical separation where required.

### From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VHHH	FL130	MUSEL

## From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VMMC, ZGGG	FL230	NEDLE

#### 14.5.2. Runway 25 Operations

## From Area Radar East (HKG\_E\_CTR) to Terminal Radar East (VHHH\_E\_APP)

То	Altitude	Handoff Location
VHHH	FL260	ENPET
VHHX	FL270	Abeam ENPET (note 1)
VMMC, ZGGG	FL260	After SAMMI

<sup>1.</sup> VHHX MAGOG13 arrivals are not laterally separated against VHHH ABBEY arrivals. Controllers shall use vertical separation where required.





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

## From Terminal Radar East (VHHH\_E\_APP) to Approach (VHHH\_APP)

То	Altitude	Handoff Location
VHHH	FL130	MUSEL

## From Terminal Radar East (VHHH\_E\_APP) to Departure High (VHHH\_H\_DEP)

То	Altitude	Handoff Location
VMMC, ZGGG	FL230	NEDLE





Doc No.: HKVACC-SOP004-ANNEX-I-R1 Date Issued: 09 SEP 2023
Subject: Hong Kong Terminal Airspace Standard Operating Procedure Annex I

### **RECORD OF REVISION**

DATE	REV.	REVISION CONTENT	APPROVAL
17 JUN 2020	0	Initial Release	J. CHENG
09 SEP 2023	1	Major Rewrite	T. SIU
		Added all 4 Terminal Radar Sectors	
		Added Macau Radar Control	
		Added Handoff Agreements	