

Presentation to Harbourfront Commission

Crowd Management of Events at the Harbourfront Areas

大型海濱活動的人群管理措施

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Deputy District Commander

Yau Tsim District

8th May 2017



List of Content

- A. Legal Basis
- B. Crowd Management Principles
- C. Ground Characteristics
- D. Challenges and Difficulties
- E. Mitigating Measures



A. Legal Basis

(1) Police Force Ordinance, Cap. 232

s10 – Duties of police force (relevant subsection)

- (a) preserving the public peace
- (c) preventing injury to life and property
- (e) regulating processions and assemblies in public places...



A. Legal Basis

Positive duty to take reasonable and appropriate measures to ensure a public meeting to be conducted in a peaceful and safe manner

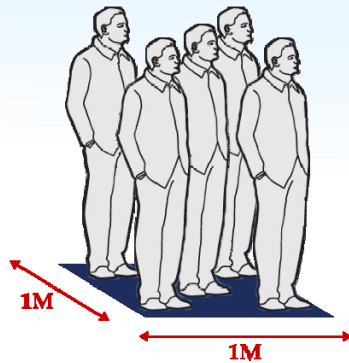


B. Crowd Management Principles

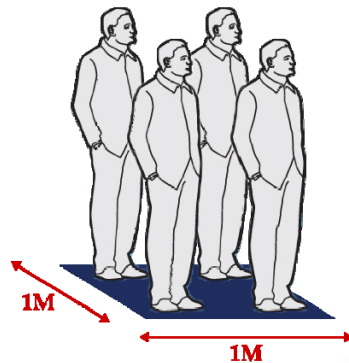
- To ensure public safety in the operational area and maintain crowd density at a safe level
- 'Safe' itself is not legally defined. Reference could be made to *Chapter 7 of the Final Report of the Lan Kai Fong Disaster on 1st January 1993*. The first recommendation addressed the paramount importance '... to avoid so great a concentration of people at any time and place that a fall could lead to the sort of human pile-up which occurred...'



B. Crowd Management Principles

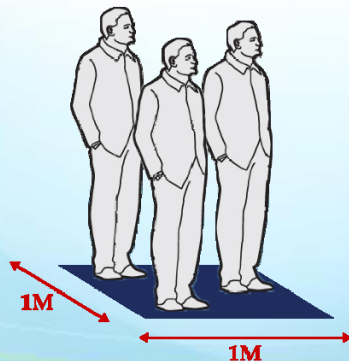


100% = 5 persons / m²



80% = 4 persons / m²

Max. Crowd Density Accepted



60% = 3 persons / m²

Access Control starts



B. Crowd Management Principles

Others:

- (1) Manage crowd density in different zones
- (2) Implement cordons to regulate and control crowd flow and access into crowded areas
(for keeping one-way/ tidal flow, buffer zones, avoid contra-flow, etc.)
- (3) Assess crowd dynamics and crowd sentiment constantly
- (4) Maintain effective communication with the public

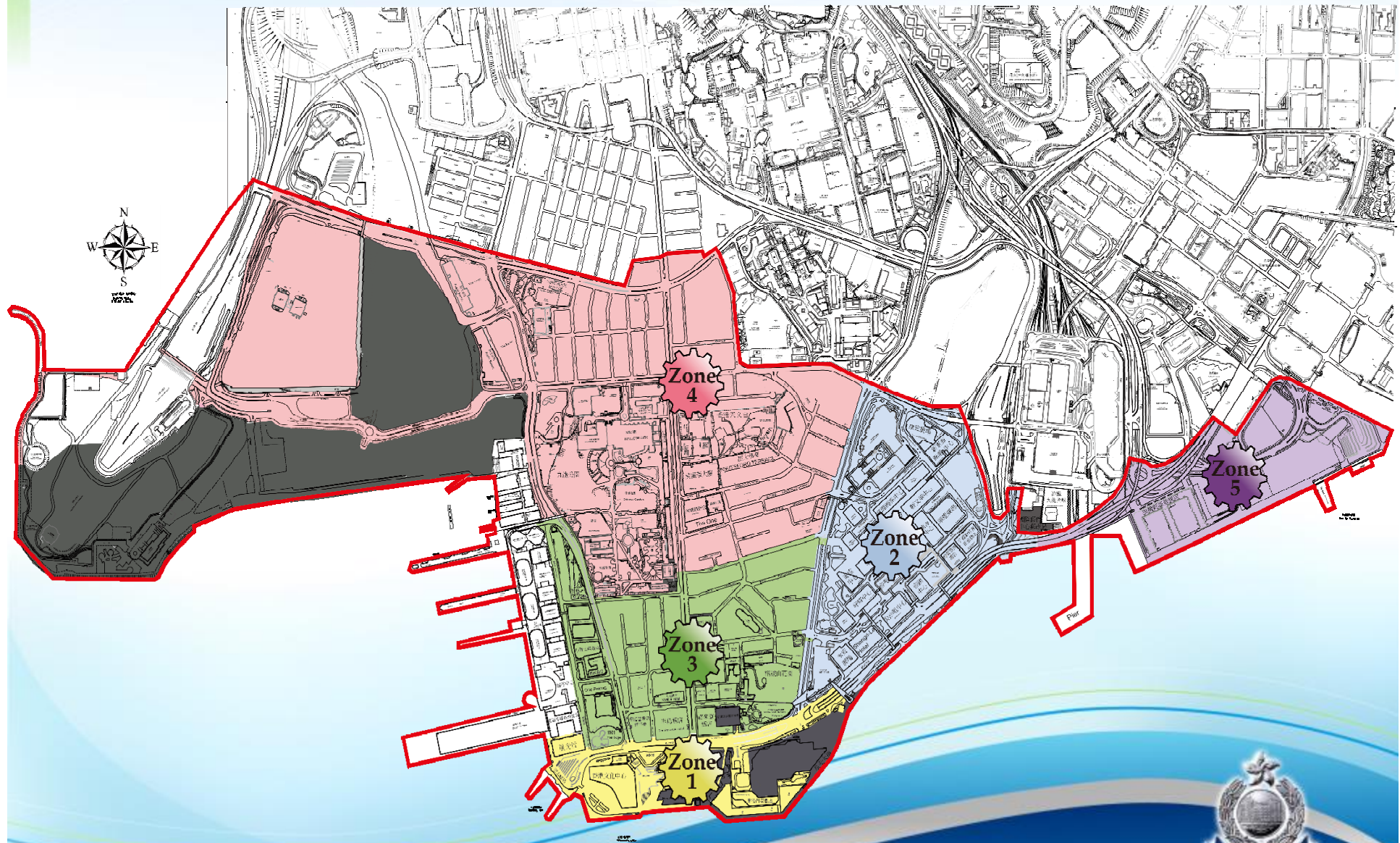


B. Crowd Management Principles

- (5) Deploy duties to prevent build-up of crowds at pressure points / choke points
- (6) Maintain clear passage for emergency vehicle and services



C. Ground Characteristics



C. Ground Characteristics

- Maximum Density Allowed : 80%
- Access Control applies when density \geq 60%



D. Challenges

- (1) Attract large crowd
- (2) Operational area not well-suited to large crowds
- (3) Manpower intensive



E. Mitigating Measures

(1) Implementation of special traffic arrangement

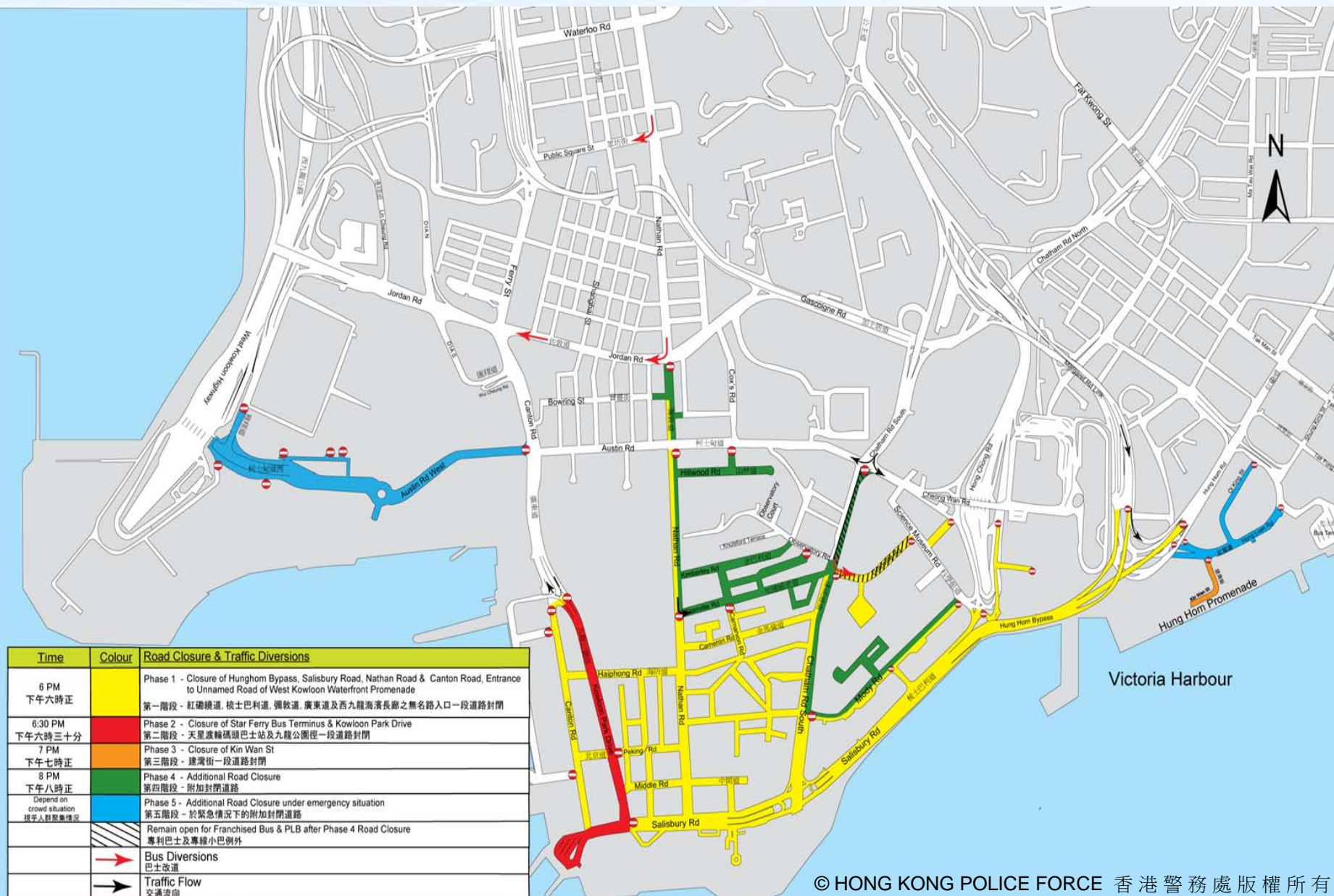
(a) Road closure

(b) Traffic diversion

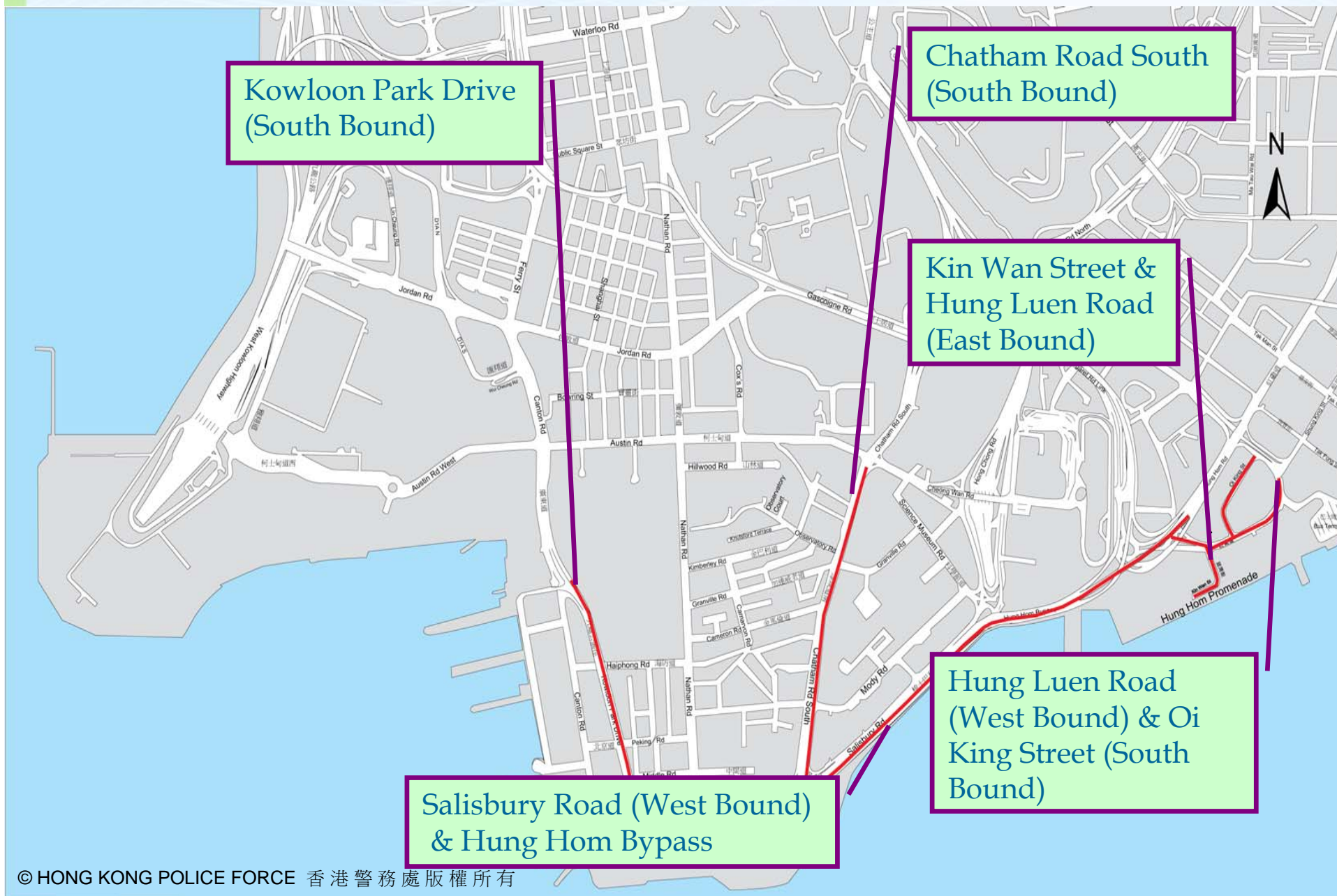
(c) Emergency Vehicle Assess (EVA)



Road Closure & Traffic Diversion



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E. Mitigating Measures

(2) Implementation of 3-phased approach

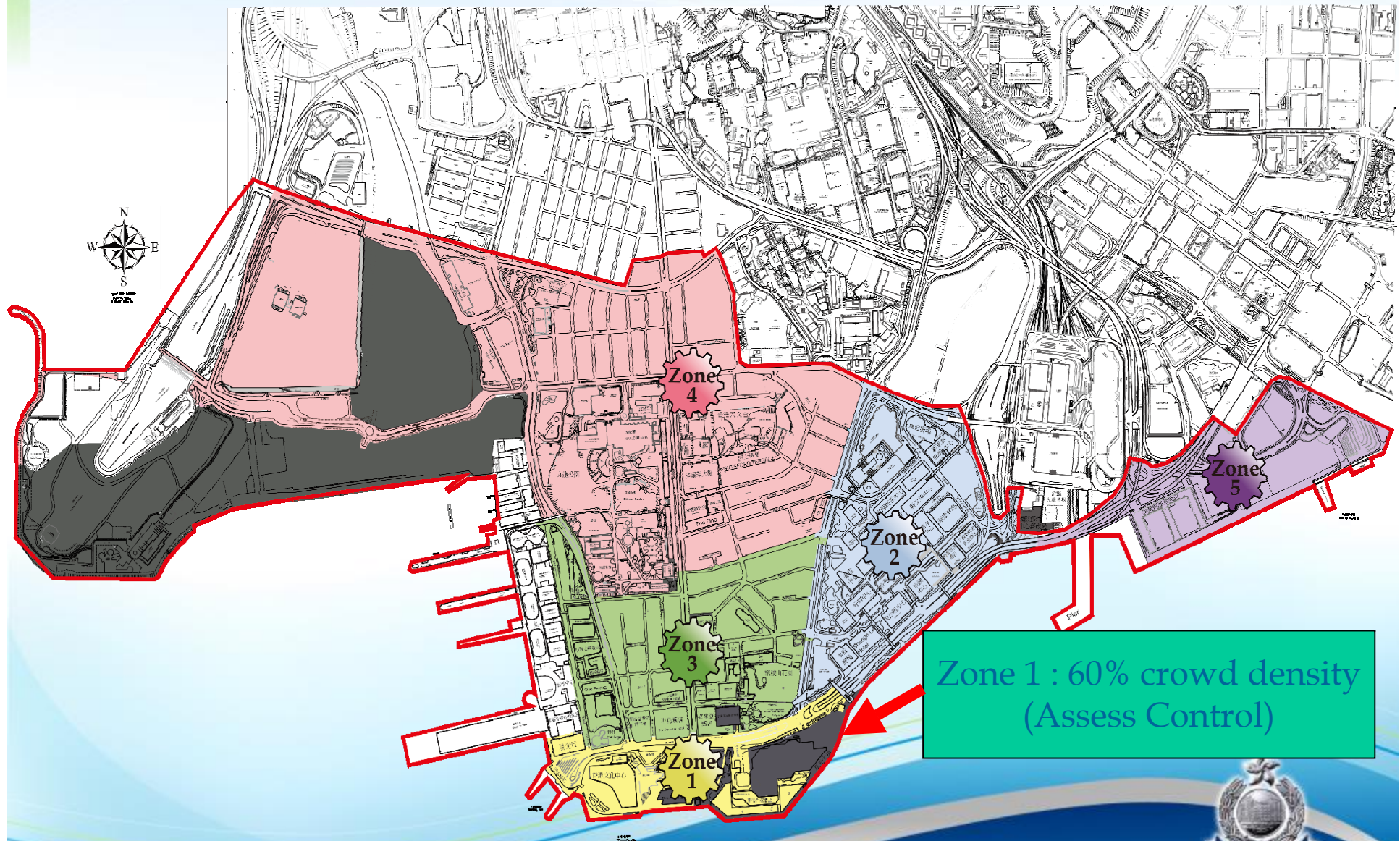
(a) Free Flow

(b) Access Control

(c) Crowd Dispersal



E. Mitigating Measures



E. Mitigating Measures

(3) Partnership approach

(a) Police units (Yau Tsim District, Emergency Unit, Police Tactical Unit, Traffic Kowloon West, Rail District, Hung Hom Division and Auxiliary Police)

(b) Other Government Departments (AMS, CAS, FSD, FEHD, LCSD and MD)



Superintendent TSE Tsui-yan
Divisional Commander
Wan Chai Division



WCH North Harbourfront Ground Characteristics



WCH North Harbourfront Ground Characteristics



WCH North Harbourfront Ground Characteristics



WCH North Harbourfront Ground Characteristics



Challenges & Concerns for CM in WCH North Harbourfront

➤ Geographical Characteristics

➤ **SAFETY**

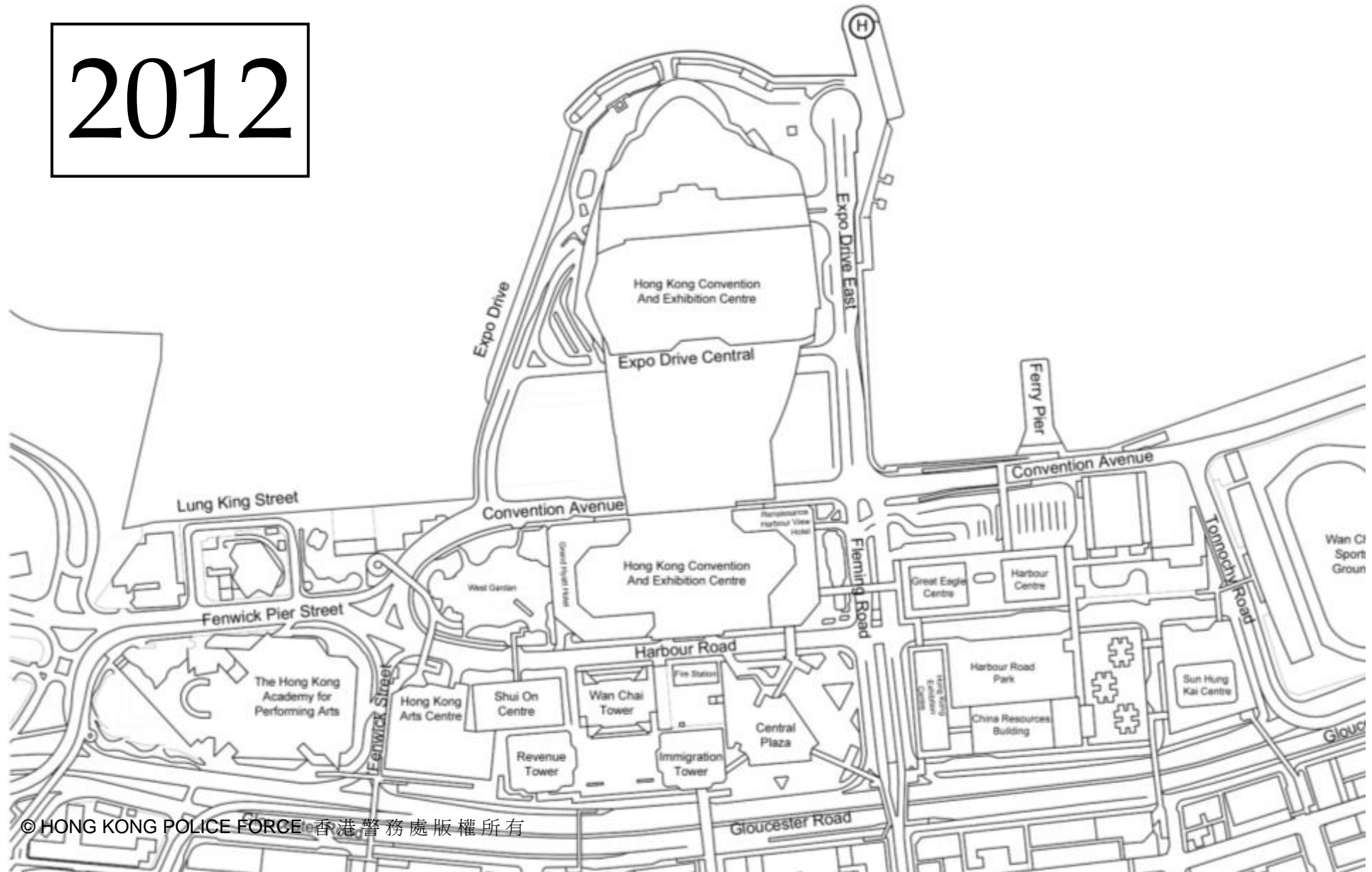
➤ Inconvenience

**Walk-through
Risk Assessment
Mitigation**



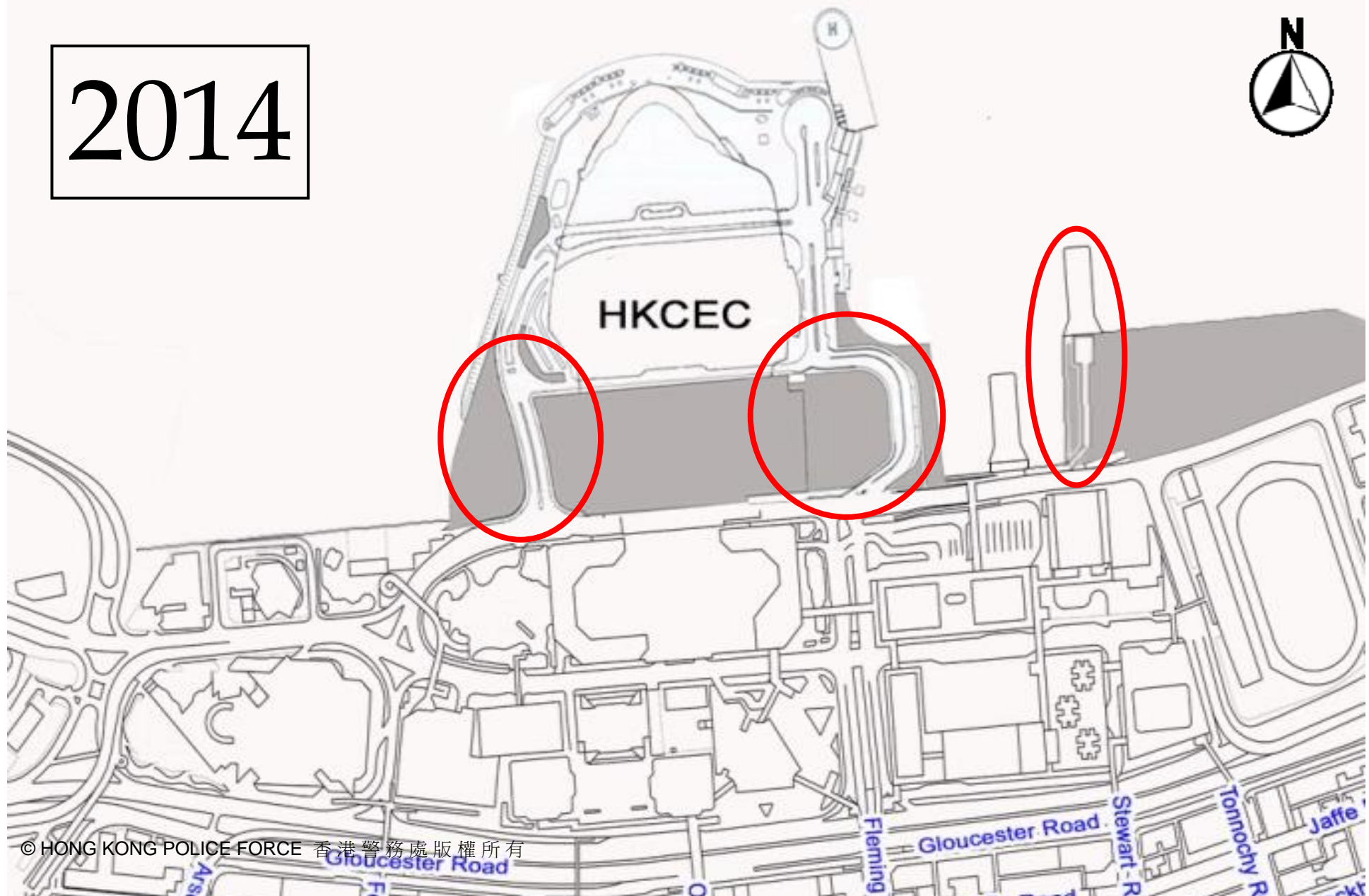
Challenges – Rapid Change of Geographical Characteristics

2012



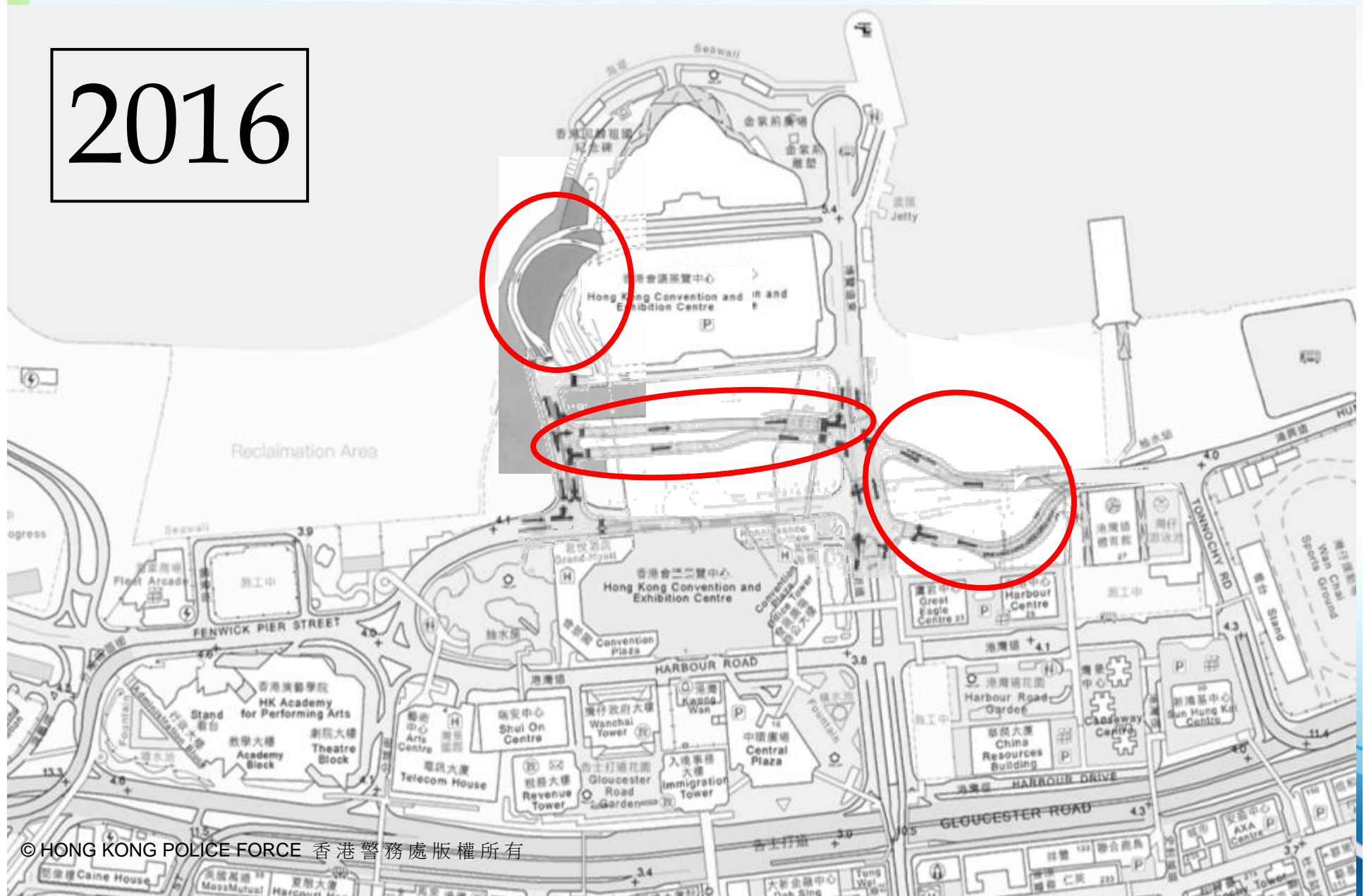
Challenges – Rapid Change of Geographical Characteristics

2014



Challenges – Rapid Change of Geographical Characteristics

2016



Challenges – Rapid Change of Geographical Characteristics



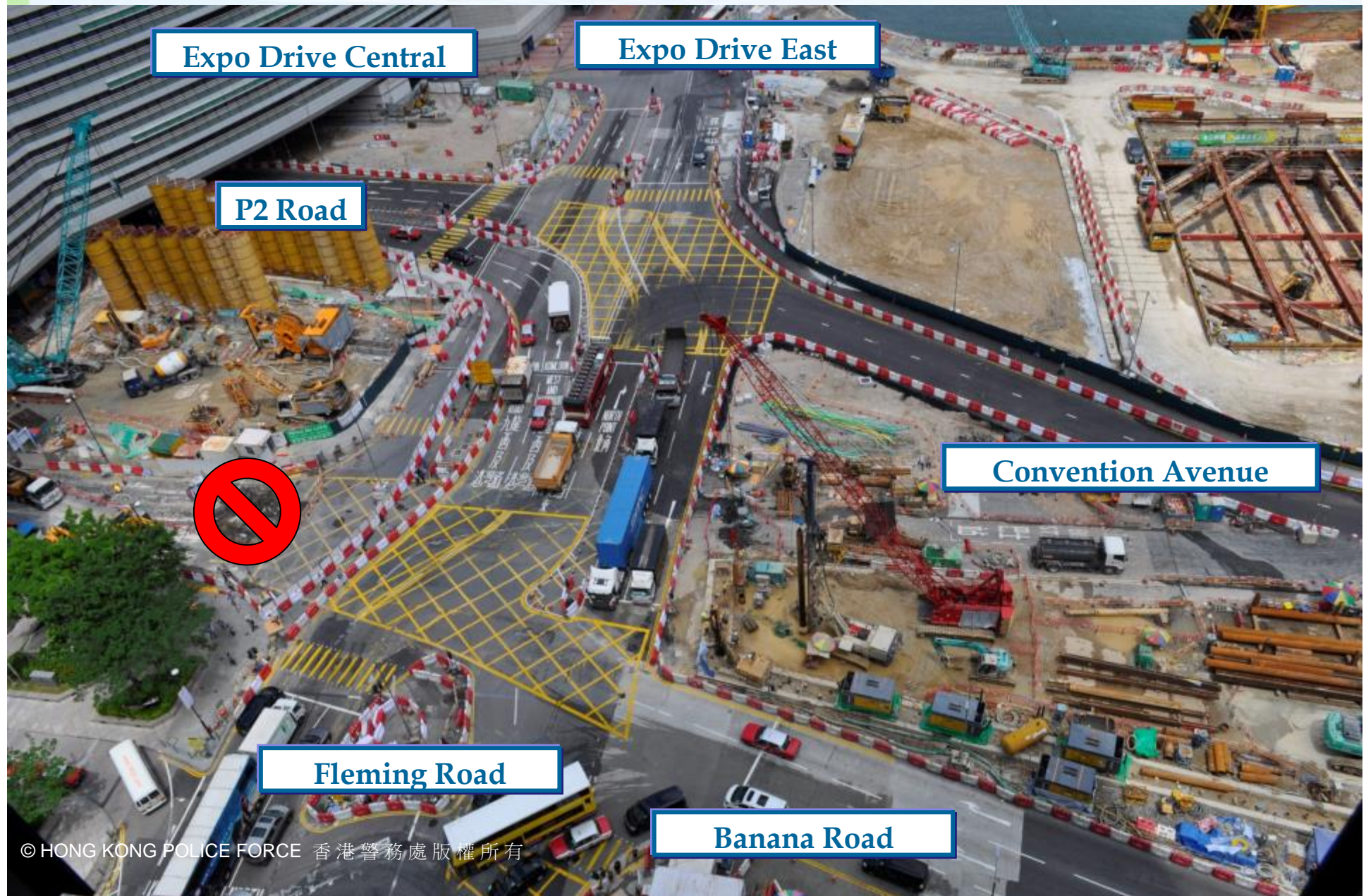
2012

2014

2016



Challenges – Construction Sites



Expo Drive Central

Expo Drive East

P2 Road

Convention Avenue

Fleming Road

Banana Road

Challenges – Construction Sites



Measures – Rapid Change of Geographical Characteristics

- Site RECCEs
- Liaison meetings with stakeholders, i.e. LCSD, HAD, CEED, MTRC, construction sites
- Re-design of logistic setup
- Enhanced security






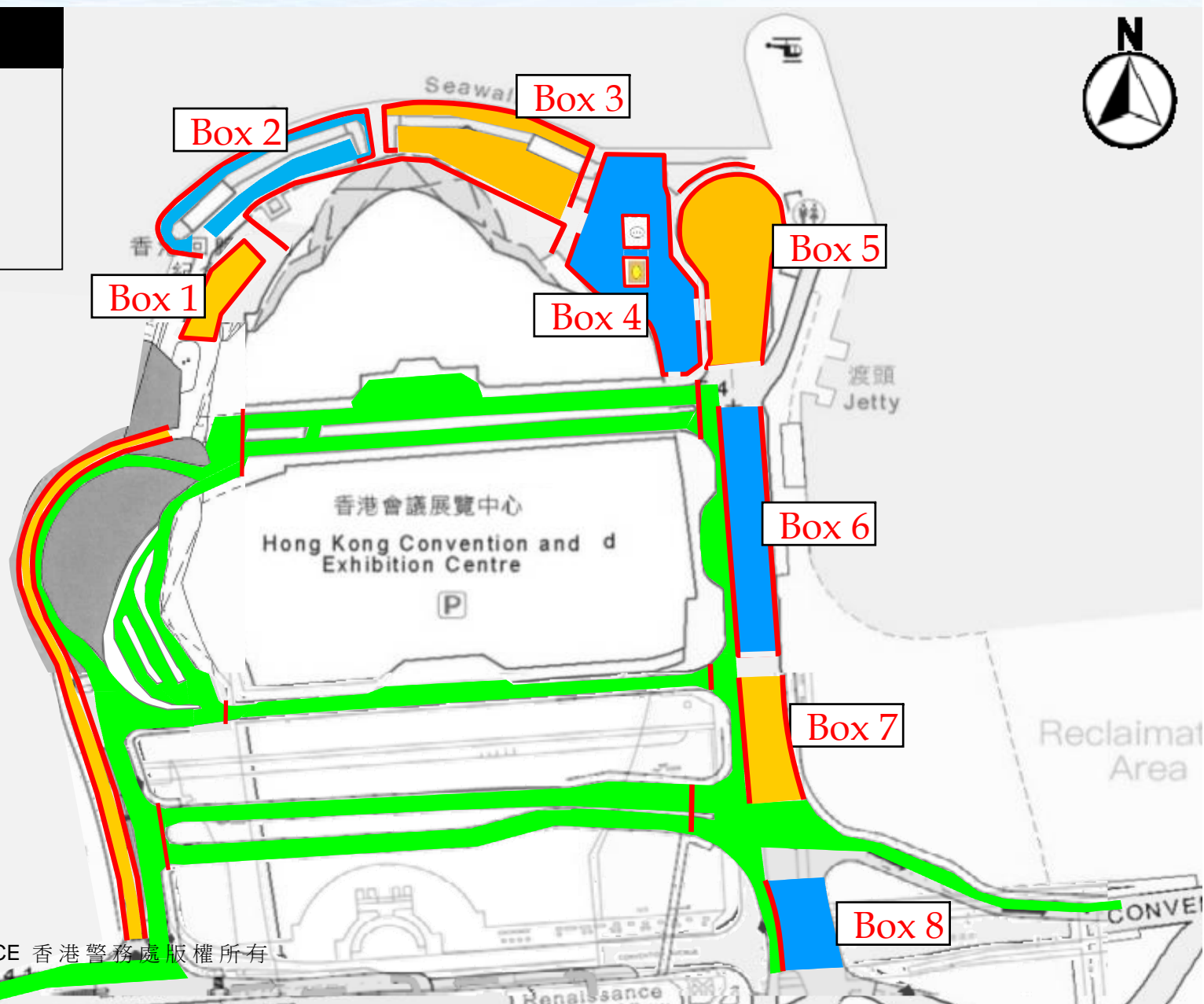
Challenges – Large Number of Spectators



Measures - Sectorization

Legend

-  Viewing areas
-  EVA
-  Mills Barriers



Sectorization (Box 1)

Legend

 Viewing areas

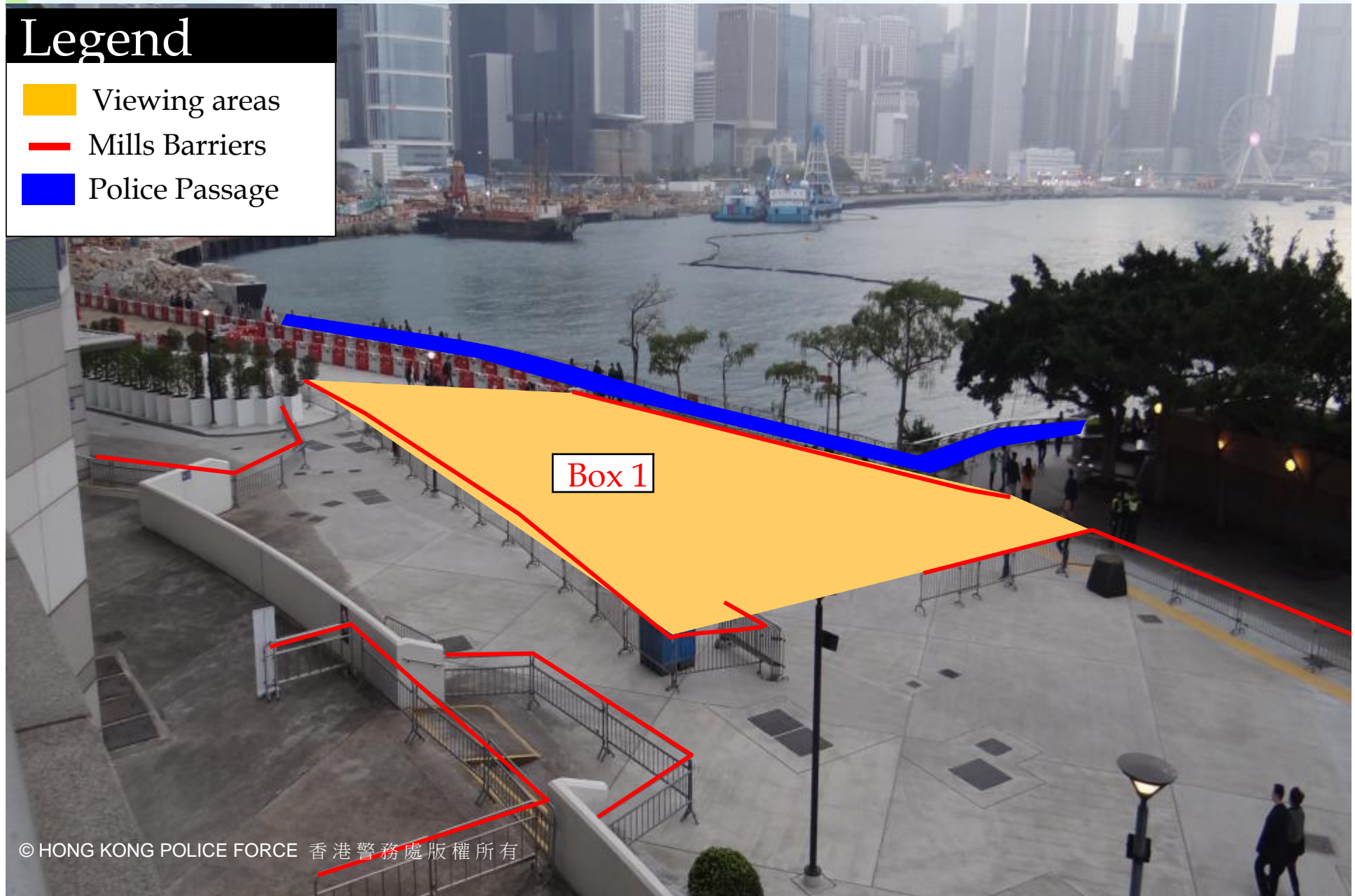
 EVA



Sectorization (Box 1)




Legend

- Viewing areas
- Mills Barriers
- Police Passage



Sectorization (Box 2 & 3)

Legend

-  Viewing areas
-  Mills Barriers
-  Police Passage




Box 2

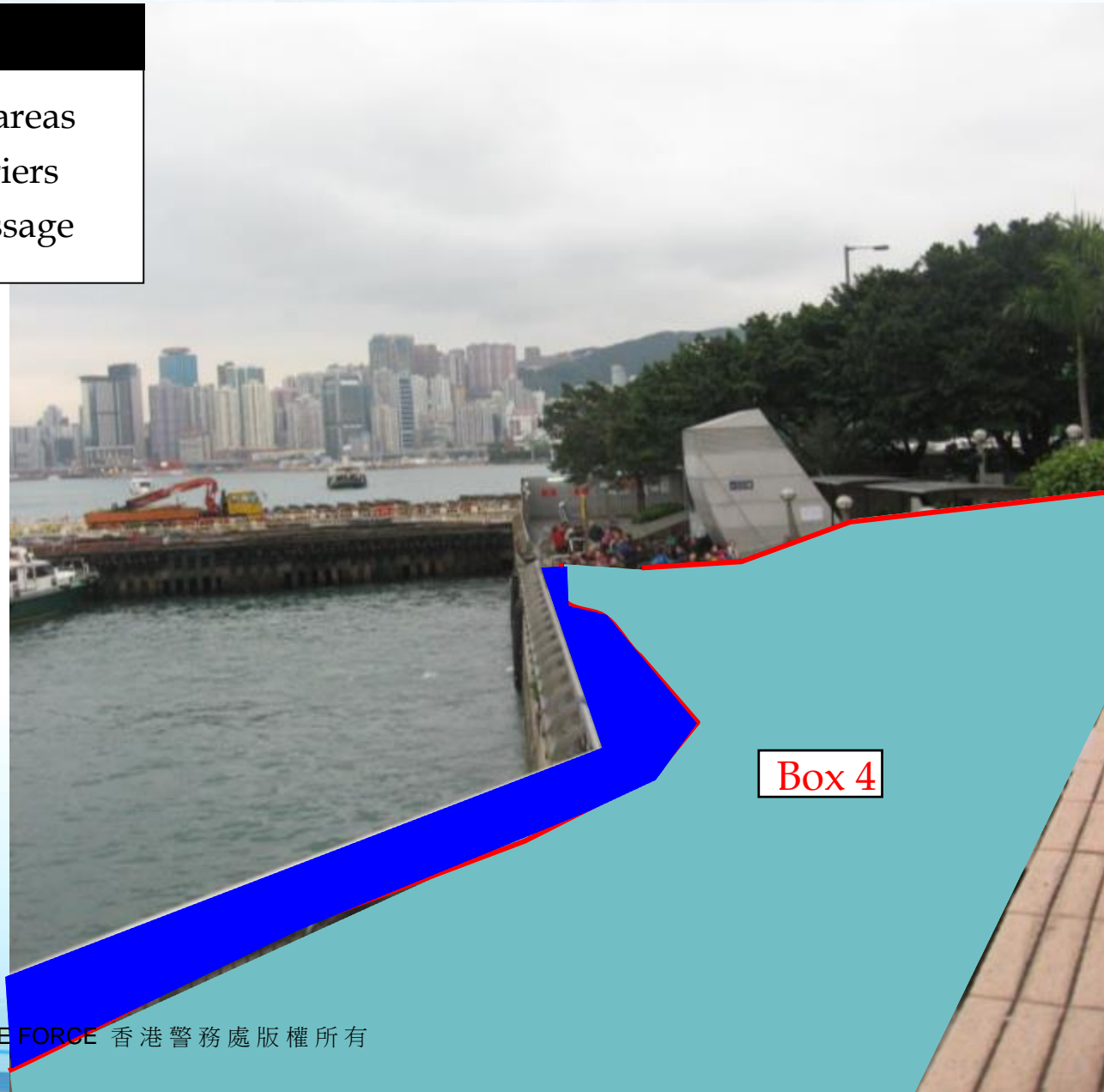
Box 3



Sectorization (Box 4)




Legend

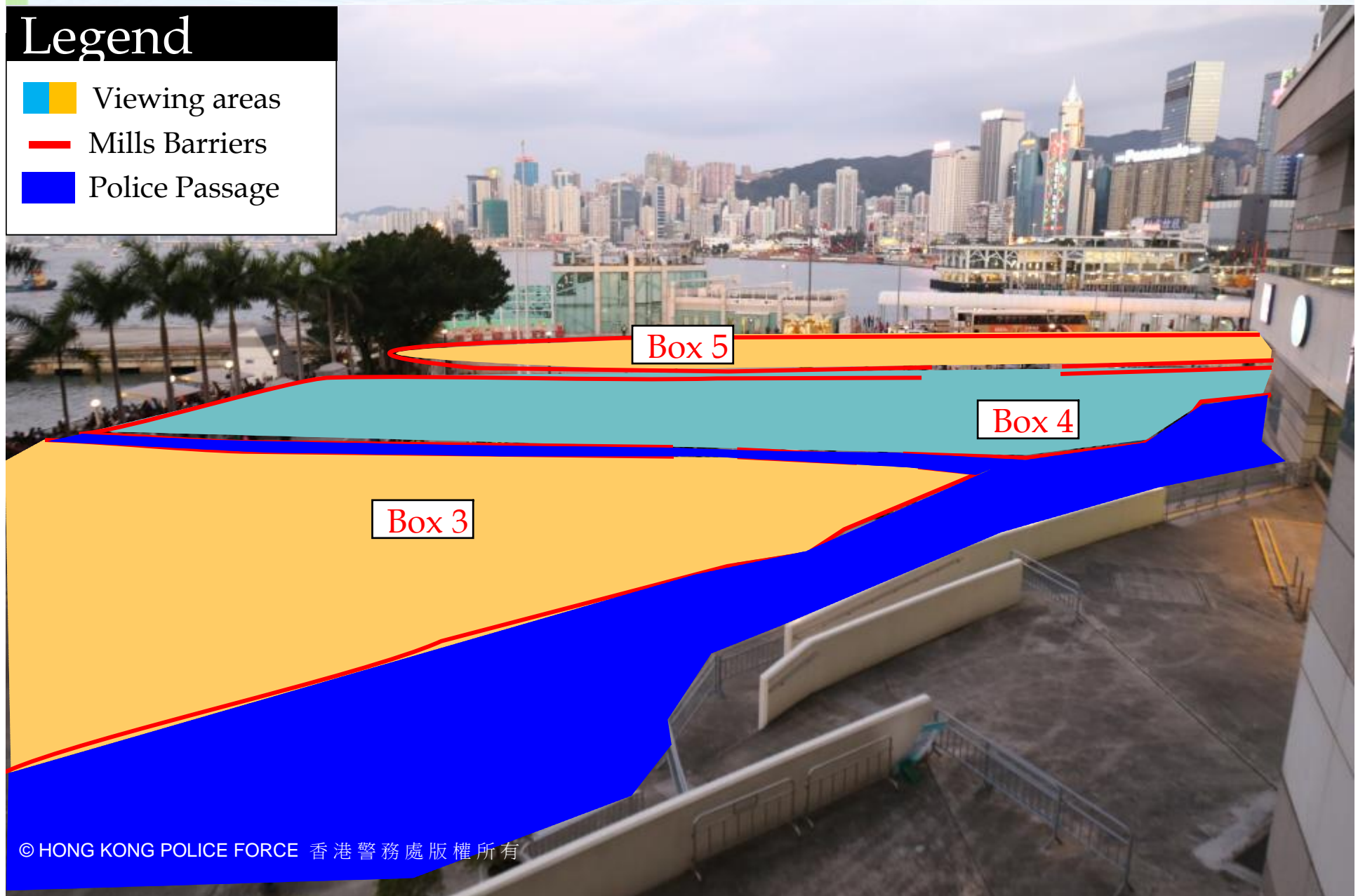
-  Viewing areas
-  Mills Barriers
-  Police Passage



Sectorization (Box 4 & 5)




Legend

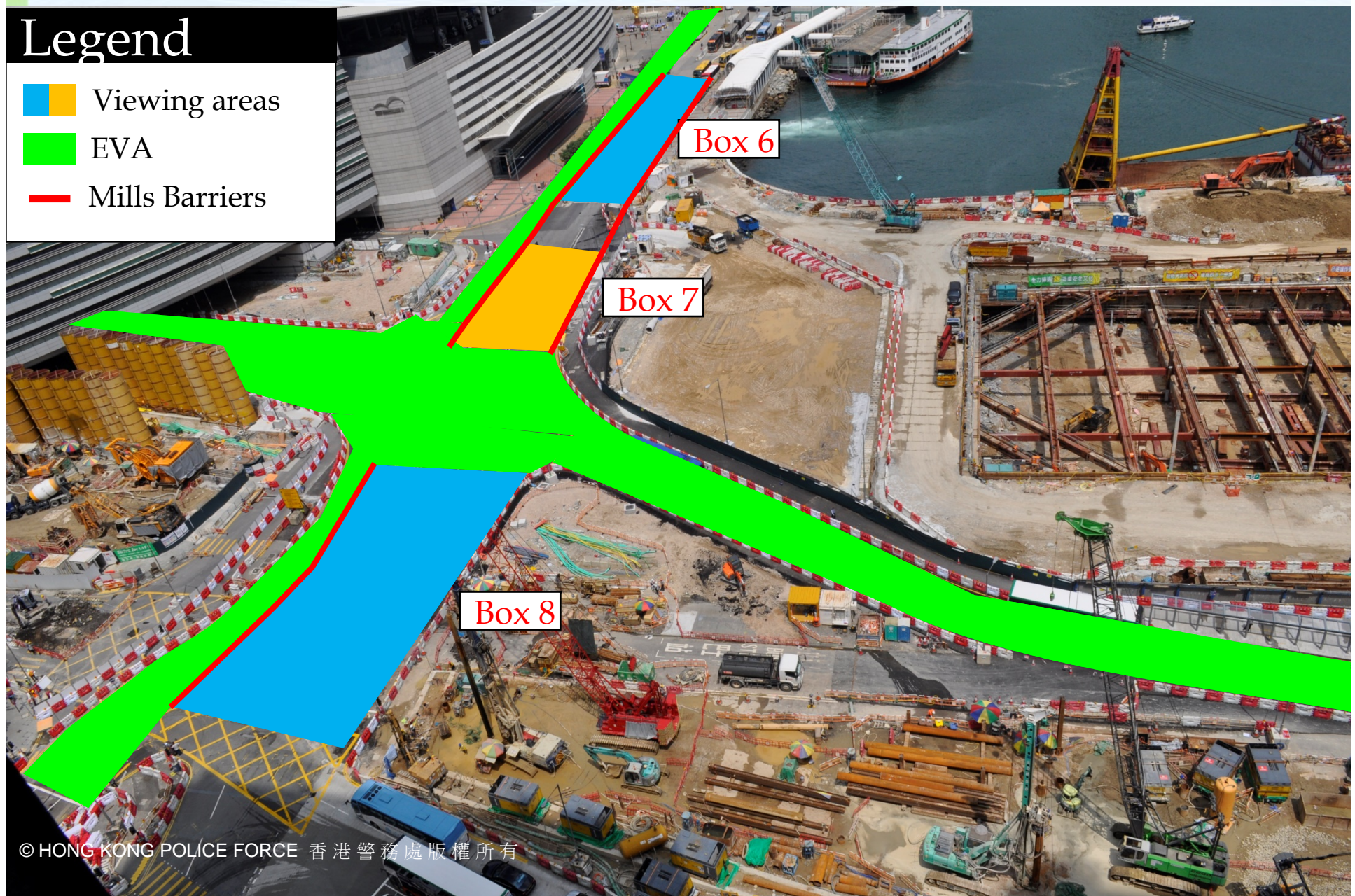
-  Viewing areas
-  Mills Barriers
-  Police Passage



Sectorization (Box 6 - 8)

Legend

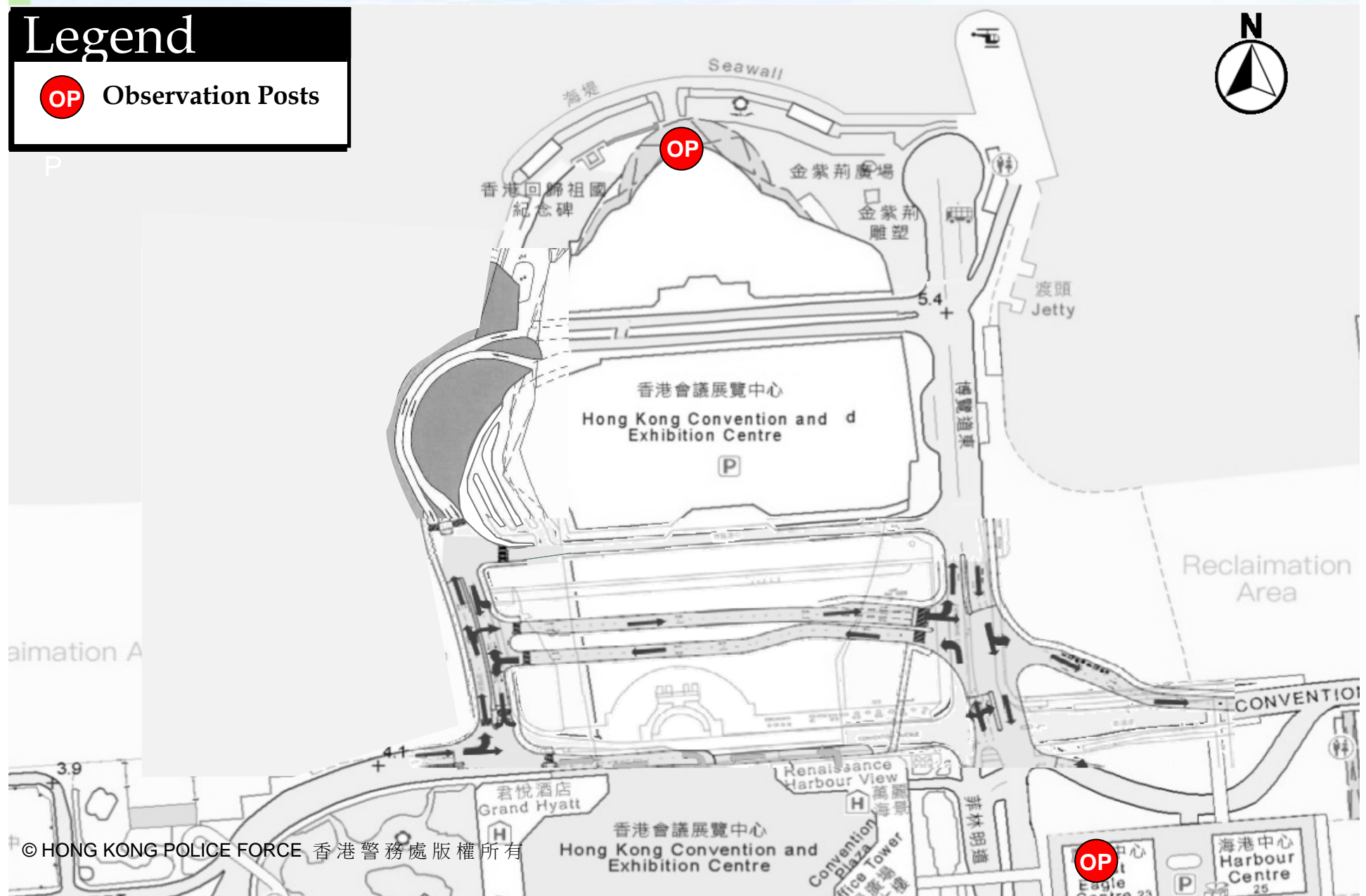
-  Viewing areas
-  EVA
-  Mills Barriers



Measures – Observation Posts

Legend

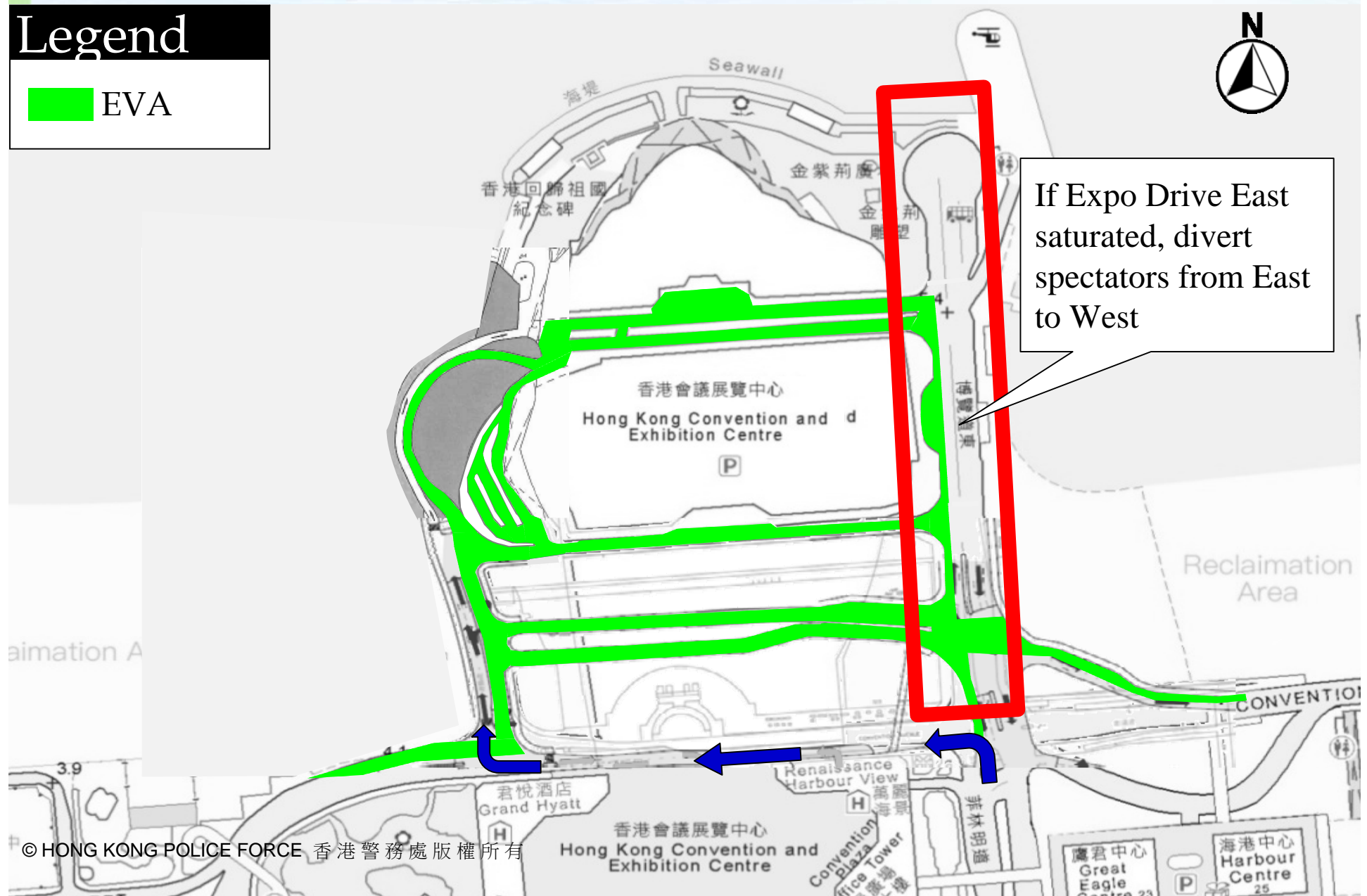
OP Observation Posts



Measures – Diversion of Spectators

Legend

 EVA



Measures – Diversion of Spectators



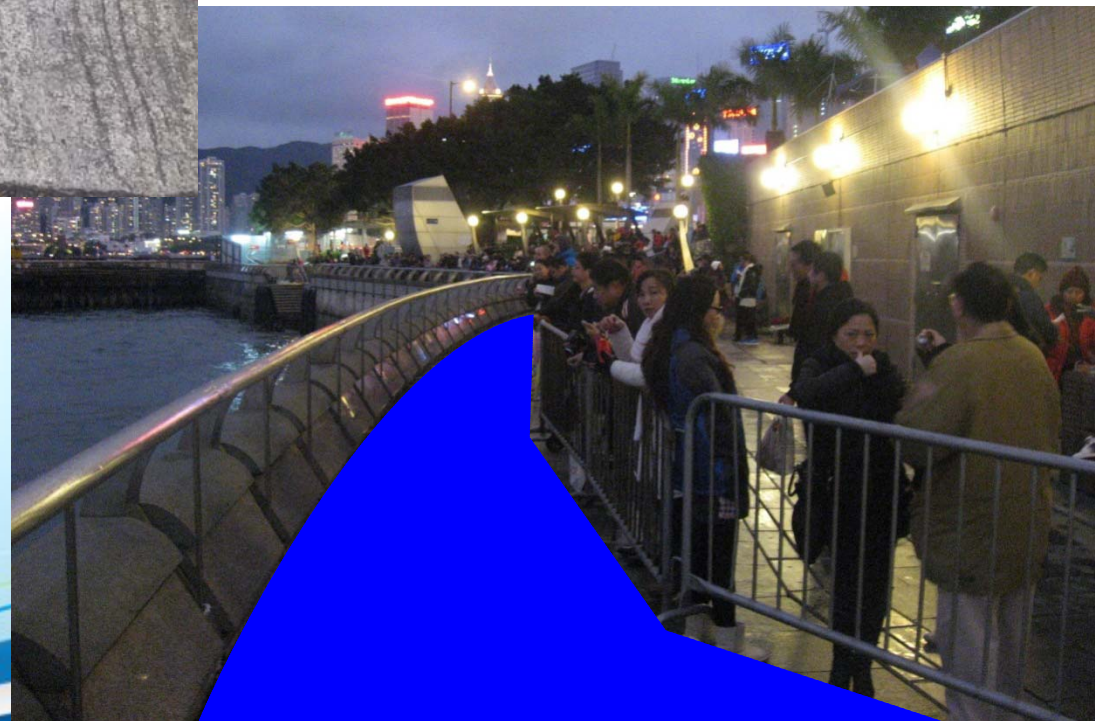
Measures – Police Passage / Buffer Zone Enroute



Legend



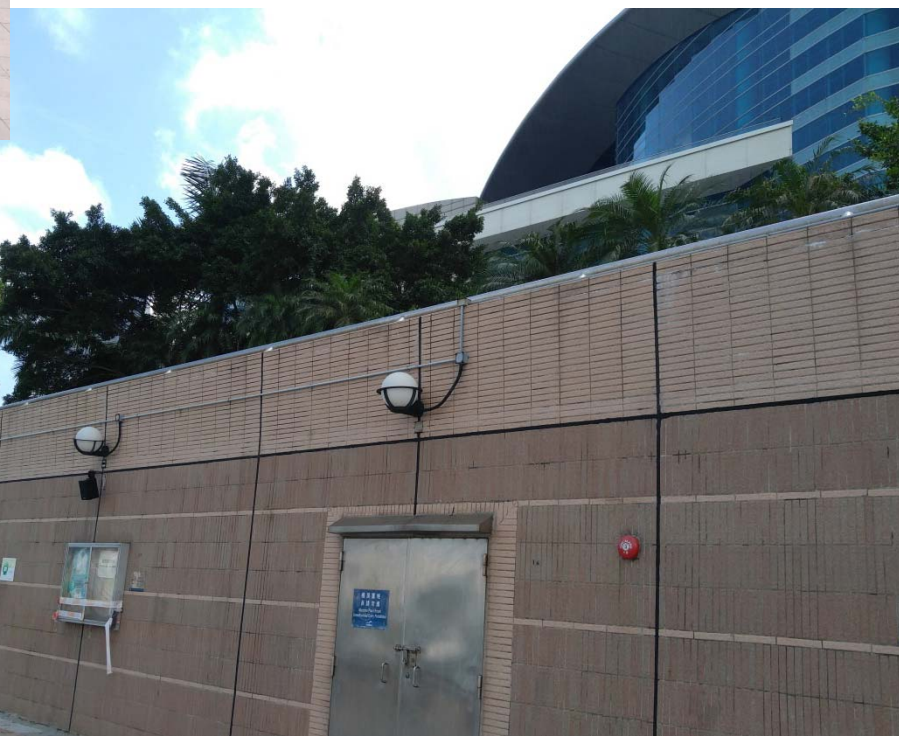
**Police passage /
Buffer Zone**



Measures – Lifesaving Equipment



Challenges - Elevated Viewing Areas



Measures – Access Control



Challenges – Staircases at Viewing Areas



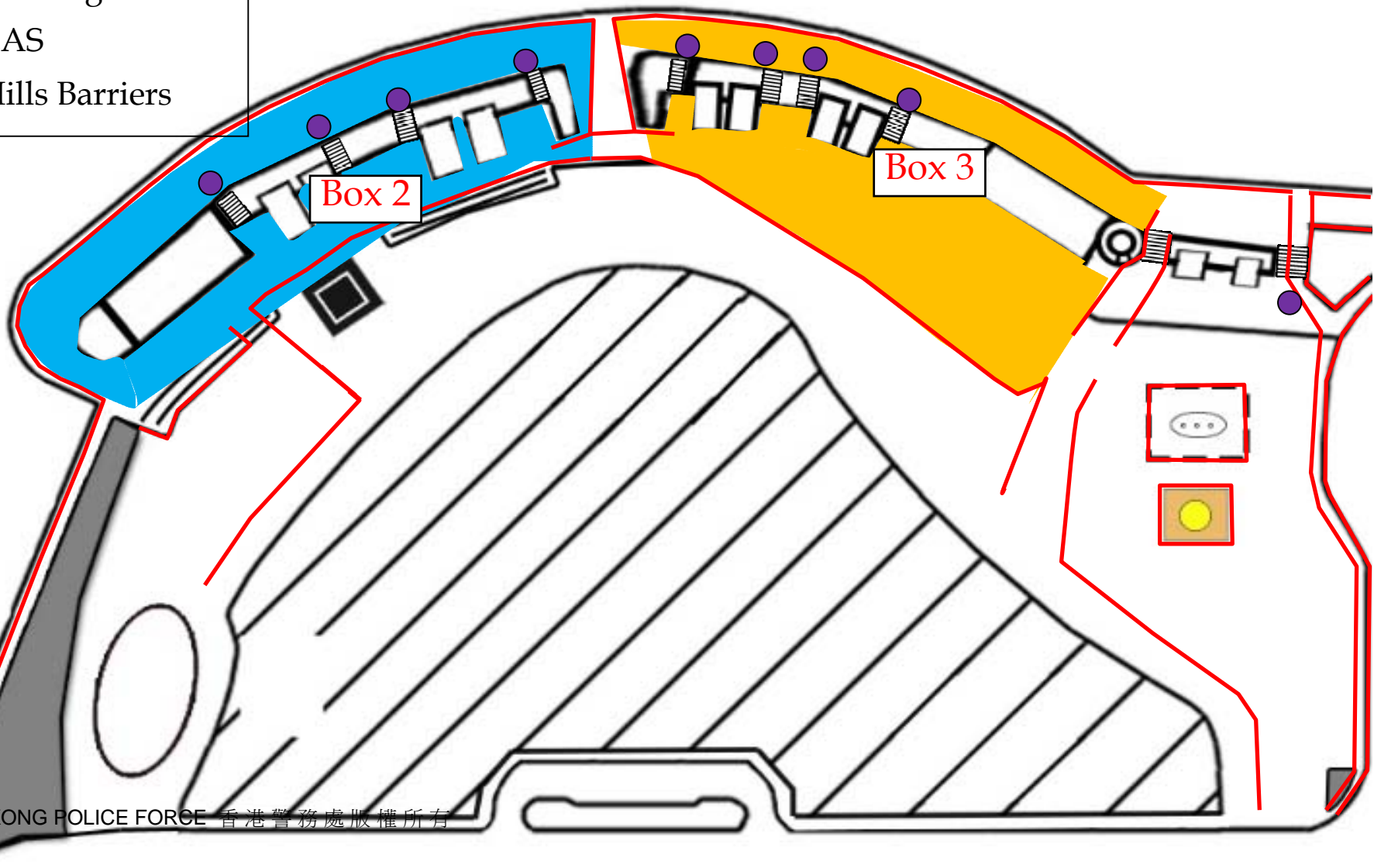
Measures - Deployment of CAS

Legend

Viewing areas

CAS

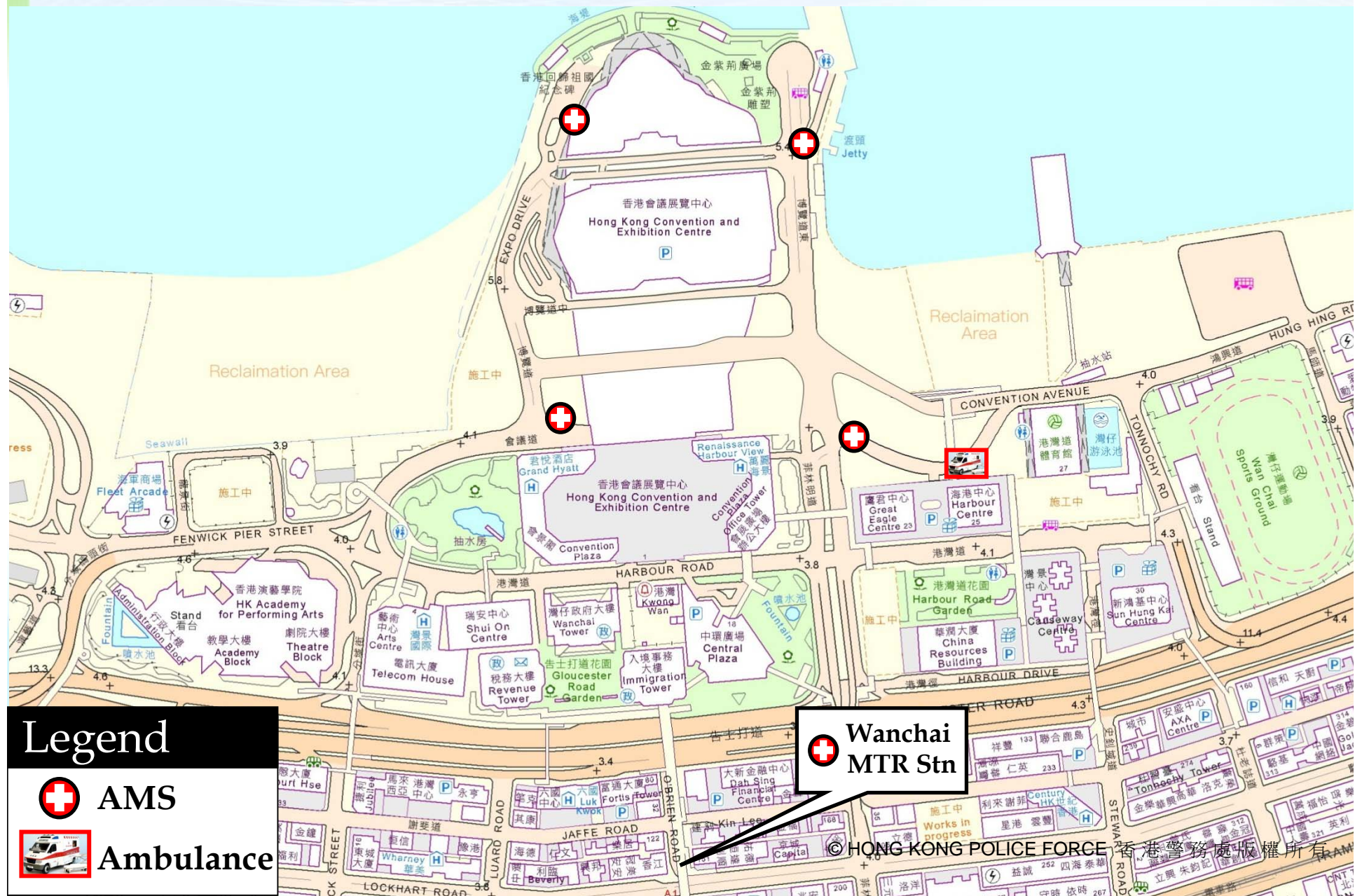
Mills Barriers



Measures – Safety Alerts



Challenges - First Aid Post



Challenges – Insufficient Public Toilet



Measures – Logistic Arrangement

Legend



Temporary
Mobile Toilets



Thank You

