

Valuable Volunteer Contributions in Aviation Emergencies - The Hong Kong Experience

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- IAFPA Member
- Ambassador to Asia-Pacific, Institute of Civil Protection & Emergency Management
- Country Representative, International Association of Emergency Managers
- National Fire Protection Association (NFPA) Committee members of:
 - Aircraft Rescue and Firefighting
 - Technical Search and Rescue
 - Fire Service Occupational Safety
 - Emergency Responders Occupational Health
- Assistant Manager (People Safety and Human Factors) of an airline based in Hong Kong





Hong Kong (Chek Lap Kok) International Airport







2024/25 Fiscal Year

Passenger throughput: 54.9 million

Air traffic movements: 373,000

Flight handling capacity: 102 flights / hour at peak hours

Major Air Crashes in Hong Kong

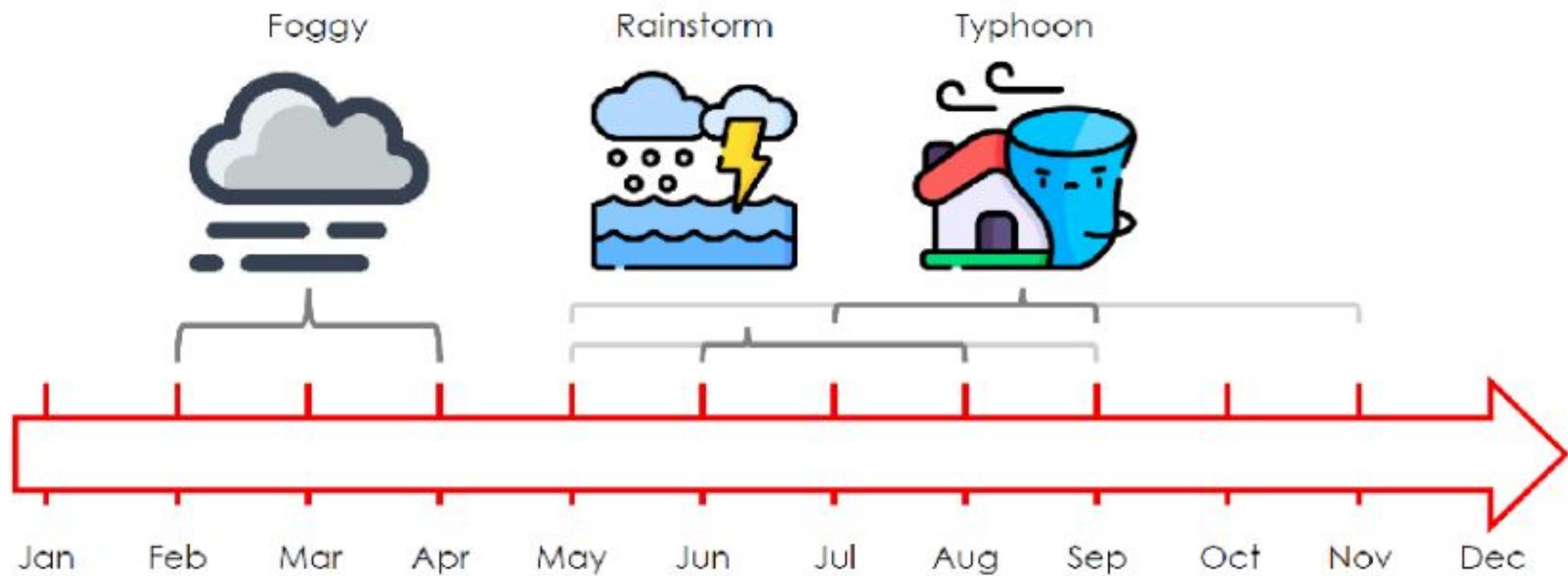


4 Nov 1993 @ Kai Tak Airport



22 Aug 1999 @ Chek Lap Kok Airport

Severe Weather Impacts on Aviation Safety in HK



Contingency Plans for Aviation Emergencies



- Contingency Plan for Natural Disasters
- Contingency Plan for Dealing with an Aircraft Crash in Hong Kong



- Emergency Procedures Manual
- Business Continuity Manual
- Safety Management System Manual

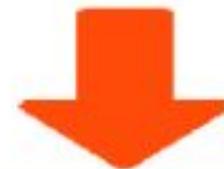
Importance of Volunteers in Aviation Emergencies



- Victims & their families
- Passengers in terminal
- People impacted on the ground
- Occurrence of multiple disasters

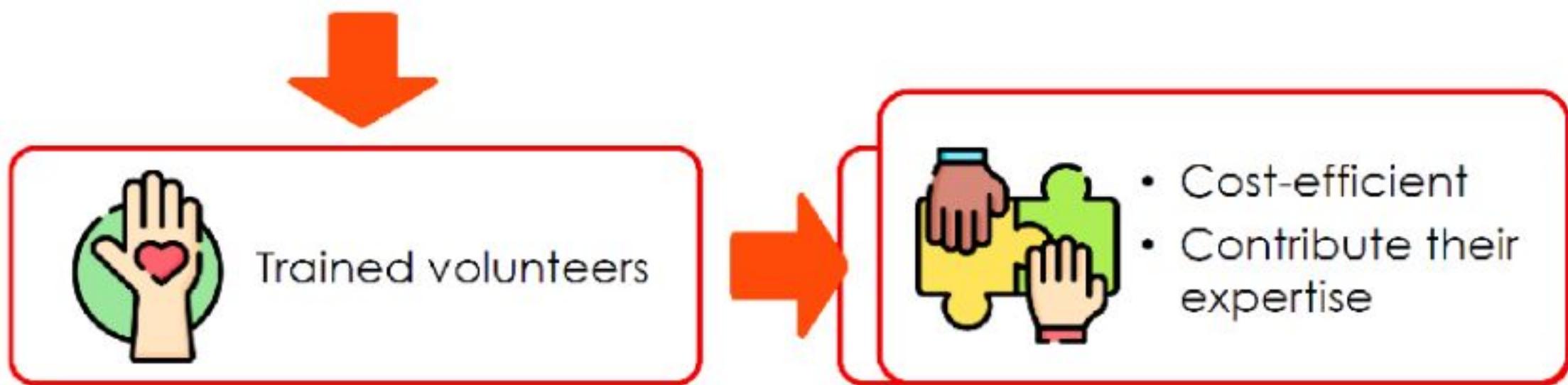


Overwhelm local capacity



Additional trained manpower

Importance of Volunteers in Aviation Emergencies



Cost-efficient

| Emergency Responders (Regular) | Start Point (Basic Salary) |
|-----------------------------------|----------------------------|
| Firefighters | \$25,470 (US3,267) |
| Paramedic | \$25,470 (US3,267) |
| Police Constable | \$28,940 (US3,712) |



Civilian Experts

From:

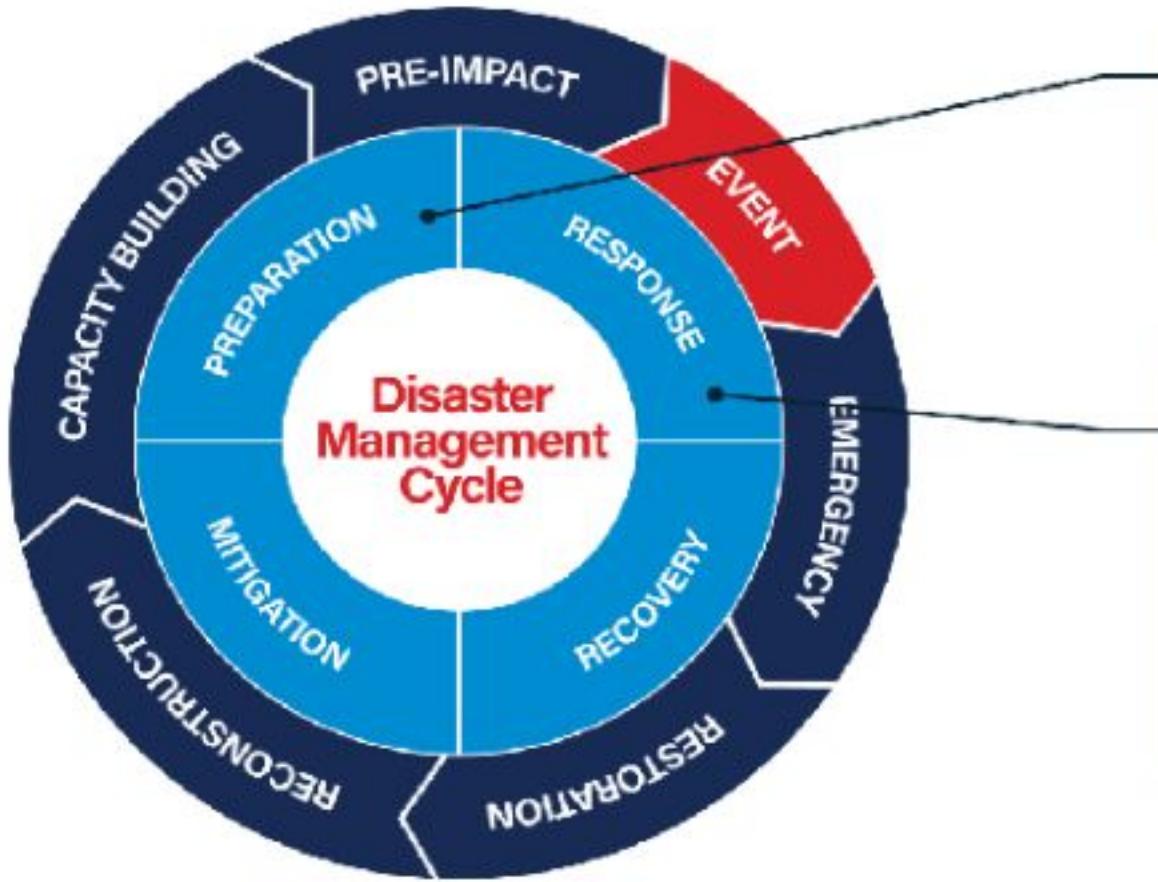
- Medicine
- Hospitality
- Social services
- Safety and health
- Engineering
- Information technology
- Finance

...etc



"Civilian Experts"
refers to specialized technical
knowledge that is often part of or
brought in to assist with disaster
response efforts.

Volunteer Contributions to Aviation Emergencies



Preparation

Exercise Support

Response

Search and Rescue
Causality Handling
Crowd Management
Assistance to victims and
their families



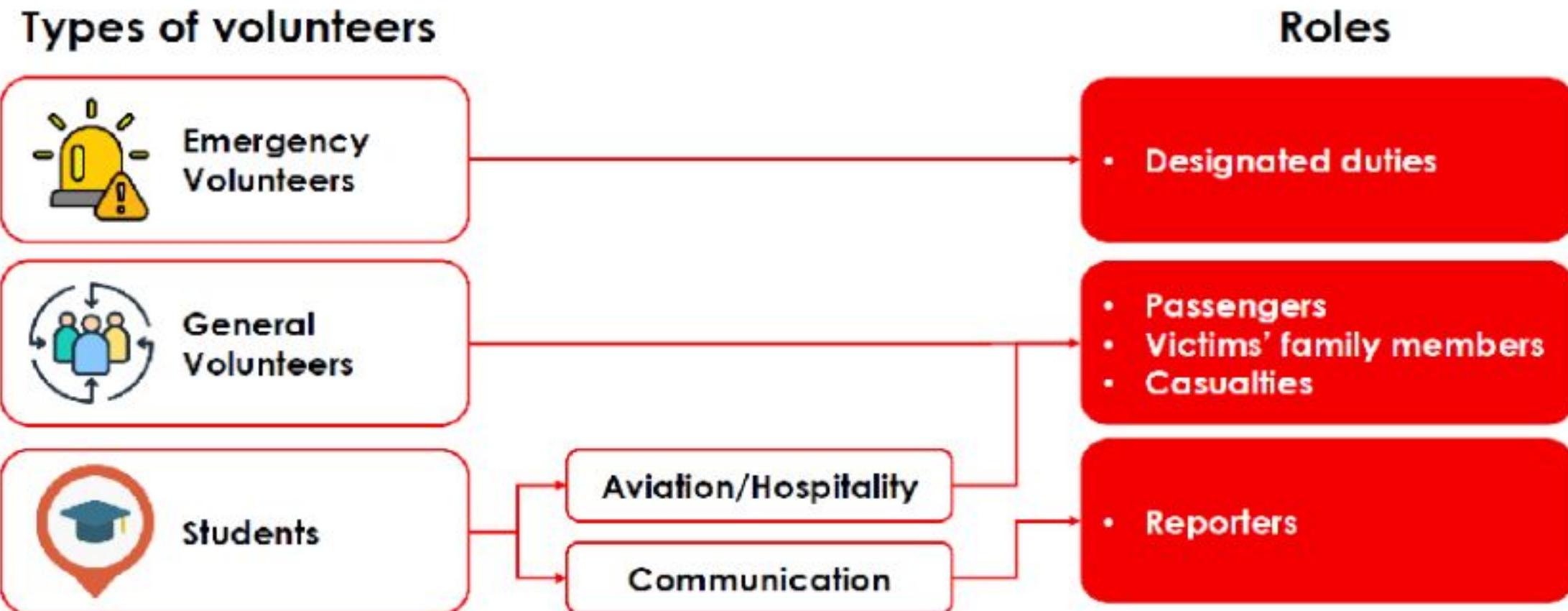
Volunteer Contributions in Preparation Phase

Preparation - Exercise Support

- > 100 drills and exercises / year
- different scale (dozens > hundreds of people)
- different themes (Air crash, infection disease, system failure... etc)



Preparation - Exercise Support



Exercise Support - General Volunteers



Exercise Support - Students





Volunteer Contributions in Response Phase

Response - Causality Handling



Response - Assistance to victims and their families



Response - Assistance to victims and their families



Response - Crowd Management





Take Away Message

Benefits of Volunteer Support in Aviation Emergencies

**Enhancing
workforce
resilience in crisis**



**Leveraging
expertise for
community crisis**

Ensuring **essential emergency capacity** in the city





Thank you for your time!

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