



與時並進  
TO MOVE WITH TIMES



## 全面推行中式步操

消防處先於其他紀律部隊，在二零二二年一月於儀式和典禮場合全面採用中式步操。全面推行中式步操既能增進屬員對國家的認同和自豪感，也有助推動港人更好地融入國家治理體系、豐富「一國兩制」的實踐，以及向市民傳遞正面信息，對本處來說，意義重大。

## 儀仗隊

消防處儀仗隊在二零二二年成立，成員逾百，由不同職系的軍裝人員兼任。儀仗隊不論在本處內部不同場合，或是在跨部門的典禮儀式和活動中，均會擔當禮儀職務及表演中式步操，藉此增強本處屬員的國民身分認同，並培養屬員的愛國精神。

自二零二二年十二月起，儀仗隊更肩負在中小學教授中式步操的重任，以增強青少年對國家的歸屬感。首階段的訓練計劃在黃大仙區展開，有超過20所中小學參與。

## Full implementation of Chinese-style foot drill

The FSD has taken the lead amongst disciplined forces in adopting Chinese-style foot drill in its ceremonial occasions on a full scale in January 2022. The full implementation of Chinese-style foot drill is of great importance to the department as it helps raise service members' sense of identification with and pride in the country. It is also conducive to driving better integration of Hong Kong people into the country's governance system, enriching the implementation of "one country, two systems" and spreading a positive message to members of the public.

## The Guard of Honour

The department's Guard of Honour (GoH), comprising more than 100 uniformed members across grades who served on a secondary-duty basis, was established in 2022. The GoH performs ceremonial duties and Chinese-style foot drill demonstrations in different events within the department, as well as in various inter-departmental ceremonies and activities, with a view to enhancing the national identity and cultivating patriotism of service members.

Since December 2022, the GoH has taken up an important responsibility of teaching Chinese-style foot drill in primary and secondary schools so as to foster young people's sense of belonging to the country. The first phase of the training programme has been kicked off in Wong Tai Sin District with more than 20 primary and secondary schools participating in it.



消防處儀仗隊教授中小學生中式步操，以增強青少年對國家的歸屬感。

The FSD's Guard of Honour teaches Chinese-style foot drill to primary and secondary school students so as to foster young people's sense of belonging to the country.

## 消防及救護學院訓練課程評審

消防及救護學院的「輔助醫療專業文憑課程」於二零二二年六月通過香港學術及職業資歷評審局的評審，獲納入「資歷名冊」。屬員完成該課程為期22周的訓練並通過評核後，會獲頒「輔助醫療專業文憑」。此資歷屬香港資歷架構第四級別，相當於副學士學位或高級文憑／高級證書程度。

學院將為其所辦的其他主要訓練課程申請評審，預期為救護員而設的「救護專業文憑」會於二零二三年通過評審，列入資歷架構第四級別。此外，本處亦會為專隊的訓練課程申請資歷架構評審，以確立專隊的專業地位，其中高空拯救專隊和煙火特遣隊的訓練課程可望於二零二三年第二季通過評審，列入資歷架構第四級別。

## Accreditation of training courses of the Fire and Ambulance Services Academy

The Professional Diploma in Paramedicine of the Fire and Ambulance Services Academy (FASA) was accredited by the Hong Kong Council for Accreditation of Academic and Vocational Qualifications and included in the Qualifications Register in June 2022. Members who have completed the 22-week training and passed the assessments of the course will be awarded a Professional Diploma in Paramedicine at Hong Kong Qualifications Framework (QF) Level 4, which is equivalent to an Associate Degree or a Higher Diploma/Higher Certificate.

FASA will seek accreditation for its other key training programmes. The Professional Diploma in Ambulance Services for Ambulanceman/Ambulancewoman is expected to be accredited as attaining QF Level 4 in 2023. Moreover, the department will apply for accreditation of the training courses for the specialised teams under the QF to affirm their professional status. The training courses for the High Angle Rescue Team and the Compartment Fire Specialists are expected to be accredited as attaining QF Level 4 in the second quarter of 2023.



消防處建立了無人機系統，以提高消防和緊急行動的效率，從而加強保障市民的安全。  
The FSD has set up an Unmanned Aircraft System (UAS) to improve fire and emergency operational efficiency and public safety.

## 無人機系統

無人機系統在全球已廣泛應用於滅火、應對事故的計劃部署和救援行動上。隨着無人機系統的使用快速增加，消防處建立了無人機系統，當中包括企業級的新型無人機、無人機配件及感應器，並已於二零二二年六月起投入運作，以提高消防和緊急行動的效率，從而加強保障市民的安全。

本處在二零二二年十月開始試行「人工智能攀山拯救無人機相片分析軟件」計劃，該軟件讓搜救人員於山嶺搜救行動中利用人工智能技術，從無人機拍攝所得的相片中識別出人形物體，務求大大減省從相片中尋找傷者的時間。本處會繼續提高該軟件的準確度，並會引入新技術，以提高搜救效率。

## Unmanned Aircraft System

Unmanned Aircraft System (UAS) has been widely used in firefighting, incident planning and rescue operations around the world. With the rapid increase in the use of the system, the FSD has set up an UAS and put it into operations since June 2022, which includes new drones at enterprise level, drone accessories and sensors, as a means to improve fire and emergency operational efficiency and public safety.

The department has started using an Artificial Intelligence-assisted Drone Image Analysis software under a pilot project since October 2022, which aims to adopt artificial intelligence technology for detecting human-like objects in drone images used in mountain search and rescue operations so that the time for searching casualties from the images can be greatly reduced. The department will continue to increase the accuracy of the software and introduce novel technologies so as to enhance search and rescue efficiency.

## 滅火機械人和水下遙控機械人

本處的滅火機械人於二零二二年六月投入服務，協助執行滅火救援行動。機械人能在複雜且高危的火場長時間執行滅火和偵測工作，有助提高行動效率，並減低前線消防人員所承受的風險。機械人採用模組化設計，可改裝成不同模式執行工作，此外，還可因應不同的行動需要，裝上傷病者抬床、工具運輸籃，或用以移除障礙物的機動清障架。

此外，本處亦引入了水下遙控機械人，以提高行動效率。水下遙控機械人能長時間在水下搜索有否受傷人士，即使能見度低也不受影響，故有助提升本處的搜索能力及保障潛水人員的安全。

## Firefighting robots and underwater remotely operated vehicles

The department's firefighting robots were put into service in June 2022 to assist in firefighting and rescue operations. They can carry out long-term firefighting and detection work in complex and high-risk fire scenes, enhancing operational efficiency and reducing the risk of frontline fire personnel. Their modular design offers interconvertibility that allows them to work in different modes. They can be equipped with a stretcher for patients, a basket for material transportation or a motorised bull-bar for obstacle removal according to different operational needs.

Moreover, the department introduced underwater remotely operated vehicles (UROV) to improve operational efficiency. The UROV can search for possible casualties underwater for a long period of time even under poor visibility, enhancing the department's search capability and ensuring the safety of the diving personnel.



01 滅火機械人的模組化設計可  
02 讓其改裝成不同模式執行工作。  
The modular design of the firefighting robots offers interconvertibility that allows them to work in different modes.

## 推行大量傷者事故檢傷分流系統

本處於二零二二年十一月推出大量傷者事故檢傷分流系統。這電子系統可用以記錄大量傷者事故中的傷者人數、傷勢和分流資料，以便安排適當的救護資源及通知相關醫院作緊急準備。

## 新消防局和救護站

機場北消防局已於二零二二年落成啟用，為香港國際機場三跑道系統提供支援。此外，將設於香港國際機場的機場東消防局，以及分別設於赤鱘角北和將軍澳第72區的消防局暨救護站，現時正在施工。

## Implementation of Patient Tagging System for Multiple Casualties Incidents

The department launched a Patient Tagging System for Multiple Casualties Incidents (PTS-MCI) in November 2022. It is an electronic system to record the number, nature and triage information of the casualties involved in multiple casualties incidents, so that appropriate ambulance resources can be arranged and relevant hospitals can be alerted for emergency preparedness.

## New fire stations and ambulance depots

In 2022, the Airport North Fire Station was put into commission for supporting the Three-Runway System of the Hong Kong International Airport (HKIA). Meanwhile, the Airport East Fire Station in the HKIA, as well as the fire station-cum-ambulance depots in Chek Lap Kok North and Area 72, Tseung Kwan O are currently under construction.



消防處於二零二二年十一月推出大量傷者事故檢傷分流系統。  
The FSD launches a Patient Tagging System for Multiple Casualties Incidents in November 2022.

## 年度開放數據計劃

根據政府的政策，政府部門應開放更多其數據，供公眾免費使用，以促進創新及科研。本處資訊科技管理組按照政府這項政策，公布年度開放數據計劃，列出發放的28個數據集，包括火警事故、火警危險投訴、防火巡查、註冊消防裝置承辦商、消防處設施的空間數據、自動心臟除顫器位置和目標迷你倉處所等的統計數字。本處亦已制定年度空間數據計劃，列出將於空間數據共享平台入門網站發放的空間數據集，以供公眾閱覽。

## 發展大數據分析

自二零二零年起，資訊科技管理組一直致力更加善用大數據分析，支援部門管理決策工作。本處至今已開發超過50個儀表板，涵蓋多個行動，並用以監察績效指標，這亦便利各級管理層分享數據。本處正推行中央數據庫，把多個應用系統的數據整合，從而能夠開發更多儀表板，包羅更多方面的資訊。

## 更換第三代調派系統

本處於二零一九年設立專責內部項目小組，負責管理和監督有關推行第四代調派系統的工作。項目小組與承辦商及香港警務處、香港天文台及運輸署等部門緊密合作，確保能順利推行系統，同時與其他部門確立彼此系統的協作和實時交換數據的安排。第四代調派系統現正在系統測試階段，預定於二零二五年第一季投入服務。

## Annual open data plans

Under the Government's policy, government departments should release more of their data for public use for free to facilitate innovation and research. To comply with the policy, the FSD's Information Technology Management Unit (ITMU) has published annual open data plans which set out 28 datasets to be released, including the statistics of fire incidents, fire hazard complaints, fire protection inspection, registered fire service installation contractors, spatial data of FSD facilities, locations of automated external defibrillators and target mini-storage premises. Annual Spatial Data Plans have also been drawn up to set out the spatial datasets to be released on the Common Spatial Data Infrastructure (CSDI) portal for public access.

## Big data analytics development

Since 2020, the ITMU has been devoted to make better use of the data analytics for supporting management decisions. More than 50 dashboards have been developed to cover various operations and monitor the performance indicators. This also facilitates data sharing across different levels of management. A centralised data warehouse is being implemented to integrate data from various application systems and upon which more dashboards could be developed to cover a wider spectrum of information.

## Replacement of the Third Generation Mobilising System

A dedicated in-house project team was established in 2019 to manage and oversee the implementation of the Fourth Generation Mobilising System (4GMS). The project team has been working closely with the contractor and other government departments including the Hong Kong Police Force, the Hong Kong Observatory and the Transport Department to ensure the successful roll-out of the system, while establishing system collaboration and real-time data exchange with other departments. The 4GMS is under system testing and scheduled for commissioning in the first quarter of 2025.