



SCDF
The Life Saving Force



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THE LIFE SAVING FORCE

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COMMISSIONER'S FOREWORD



2018 was a momentous year for Singapore and SCDF. As an emergency-ready organisation, we rose to the occasion with an unwavering spirit to keep Singapore safe and secure. As a nation, we witnessed Singapore make a mark in world history as we hosted two historic summits.

On 12 June 2018, Singapore hosted the Trump-Kim Summit and from 11 to 15 November, the 33rd ASEAN Summit which marked the final milestone of Singapore's chairmanship of the regional bloc. SCDF officers, including our National Servicemen, worked around the clock to prepare for these high-key events. Numerous table-top and night deployment exercises were held to ensure the contingency plans were comprehensive. Besides day-to-day emergencies, we were also prepared to mount a swift response to deal with unconventional threats. Together with other Home Team and related agencies' officers, our emergency responders took on the heavy responsibility to ensure that the events proceeded smoothly and safely.

While preparing for these high-key events, SCDF also made a difference in the region with our Operation Lionheart response. In August 2018, we deployed our Operation Lionheart contingents to Attapeu, a province in Laos, to assist in search and rescue operations following the aftermath of a severe flood. Shortly after this mission was concluded, SCDF's 79-member Operation Lionheart Contingent underwent a reclassification assessment and attained the Heavy Urban Search and Rescue (USAR) team status from the United Nations' International Search and Rescue Advisory Group (INSARAG) on 7 September 2018. The 'Heavy' classification is the highest level of recognition accorded to USAR teams globally. This is the second successful reclassification since 2008 and this achievement is more than a validation of our capability as SCDF is committed to readily lend a hand to our region and the global community in times of need.

SCDF remains steadfast to achieving our mission of protecting and saving lives and property for a safe and secure Singapore. 2018 was a momentous year for capability transformation in the Force. On the marine front, we introduced the

Amphibious Vehicle as well as launched our third Rapid Response Fire Vessel, the Heavy Rescue Vessel and the Heavy Fire Vessel. SCDF also initiated proof-of-concept undertakings in robotics, with the introduction of the Exoskeleton, Red Rhino Robot and the Pumper Freighting Machine, to complement our firefighting response.

As part of our continuous pursuit for operational excellence in Emergency Medical Services, we have undertaken the modular testing of biometric identification of patients, which will complement the future Operational Medical Networks Information Integrator (OMNII). With OMNII, paramedics can retrieve relevant health records of a patient, such as medical history and drug allergy, from the National Electronic Health Record System (or NEHR) at the point of care. The accessibility to information will allow for more accurate patient assessment and hence, intervention procedures which will contribute to higher quality pre-hospital emergency care. On the regulatory front, SCDF conducted in-depth comparative studies on our Fire Code vis-à-vis those from overseas as well as leveraged fire science research and modelling to improve the Fire Code for buildings. The findings and recommendations were shared with and endorsed by the Fire Code Review Committee which is made up of representatives from the building industry, government agencies and professional institutions, such as the Singapore Institute of Architects. In tandem with the launch of the eighth edition of the Fire Code in August 2018, the document has also been digitised and incorporated with interactive features that facilitate quick online searches and cross-referencing of the different sections, annexes and appendices. These features provide a new level of experience, helping users better interpret and understand the Fire Code and its requirements.

In 2018, SCDF responded to 3,885 fire calls and 187,607 emergency medical service calls. Fires related to discarded items

and unattended cooking decreased and rubbish fires also fell to a 10-year low. These statistical findings show that the public have been working hand-in-glove with SCDF to keep Singapore fire safe. To further nurture community first response, which is both a powerful and essential competence during an emergency situation and before the arrival of SCDF, we introduced an added function in the SCDF *myResponder* mobile application to alert users to help put out minor rubbish chute and bin fires that had occurred within their vicinity. To date, over 15,000 users have registered for the notifications. Of the 1,037 rubbish fires alerts that were pushed out, 370 Community First Responders have come forward to help extinguish these fires. The SCDF is encouraged by this spirited response of people wanting to step up as Community First Responders to make a difference to the safety of our community. This is also a major step forward towards our vision of Singapore becoming *A Nation of Lifesavers*.

While it has been a whirlwind work year for us, these accomplishments gave strong meaning to our journey. On behalf of SCDF, I would like thank our partners, stakeholders and community for supporting us in every step of the way. I wish you a meaningful 2019.

Commissioner Eric Yap



COMR ERIC YAP
COMMISSIONER SCDF

**SENIOR
MANAGEMENT**

A photograph of three men in dark blue police uniforms with gold epaulettes and medals. They are standing against a background that transitions from red on the left to purple on the right. The man on the left has his arms crossed. The man in the center is sitting on a chair, also with his arms crossed. The man on the right has his arms crossed and is wearing a watch.

**SAC ANWAR BIN ABDULLAH
DEPUTY COMMISSIONER
OPERATIONS & RESILIENCE**

**DC CHONG HOI HUNG
DEPUTY COMMISSIONER
STRATEGY &
CORPORATE SERVICES**

**SAC TEONG HOW HWA
DEPUTY COMMISSIONER
FUTURE TECHNOLOGY & PUBLIC
SAFETY**

**(CONCURRENT DIRECTOR STRATEGIC
PLANNING DEPARTMENT AND
DIRECTOR TRAINING DEPARTMENT)**

SENIOR MANAGEMENT

SENIOR MANAGEMENT



SAC CHIN LAI FONG
DIRECTOR
LOGISTICS DEPARTMENT



AC DANIEL SEET
DIRECTOR
OPERATIONS DEPARTMENT



AC YONG MENG WAH
DIRECTOR
EMERGENCY MEDICAL SERVICES
DEPARTMENT



AC LIAN WEE TECK
DIRECTOR
FIRE SAFETY AND SHELTER
DEPARTMENT



AC FRANCIS NG
DIRECTOR
CENTRAL ENFORCEMENT
DEPARTMENT



AC ABDUL RAZAK
DIRECTOR
CORPORATE COMMUNICATIONS
DEPARTMENT



AC LEE YAM MING
DIRECTOR
NATIONAL SERVICE PERSONNEL
DEPARTMENT

SENIOR MANAGEMENT



AC YAZID BIN ABDULLAH
DIRECTOR
VOLUNTEER AND COMMUNITY
PARTNERSHIP DEPARTMENT



COL MICHAEL CHUA
DIRECTOR
HAZMAT DEPARTMENT



COL LING KOK YONG
DIRECTOR
TECHNOLOGY DEPARTMENT



COL NG CHEE KIANG
DIRECTOR
SERVICE EXCELLENCE DEPARTMENT



LTC (DR) SHALINI ARULANANDAM
CHIEF MEDICAL OFFICER
EMERGENCY MEDICAL SERVICES
DEPARTMENT



MS CAROLYN YAP
DIRECTOR
MANPOWER DEPARTMENT



MR WANG HEH
DIRECTOR
FINANCE DEPARTMENT

DIVISION COMMANDERS



AC DEREK TAN
COMMANDER
SCDF MARINE DIVISION



COL KADIR MAIDEEN
DIRECTOR
NATIONAL SERVICE TRAINING
INSTITUTE



COL ALAN CHOW
DIRECTOR
CIVIL DEFENCE ACADEMY



COL LIM BOON HWEE
COMMANDER
1ST SCDF DIVISION



COL ALAN TOH
COMMANDER
2ND SCDF DIVISION



COL WESLEY HO
COMMANDER
3RD SCDF DIVISION

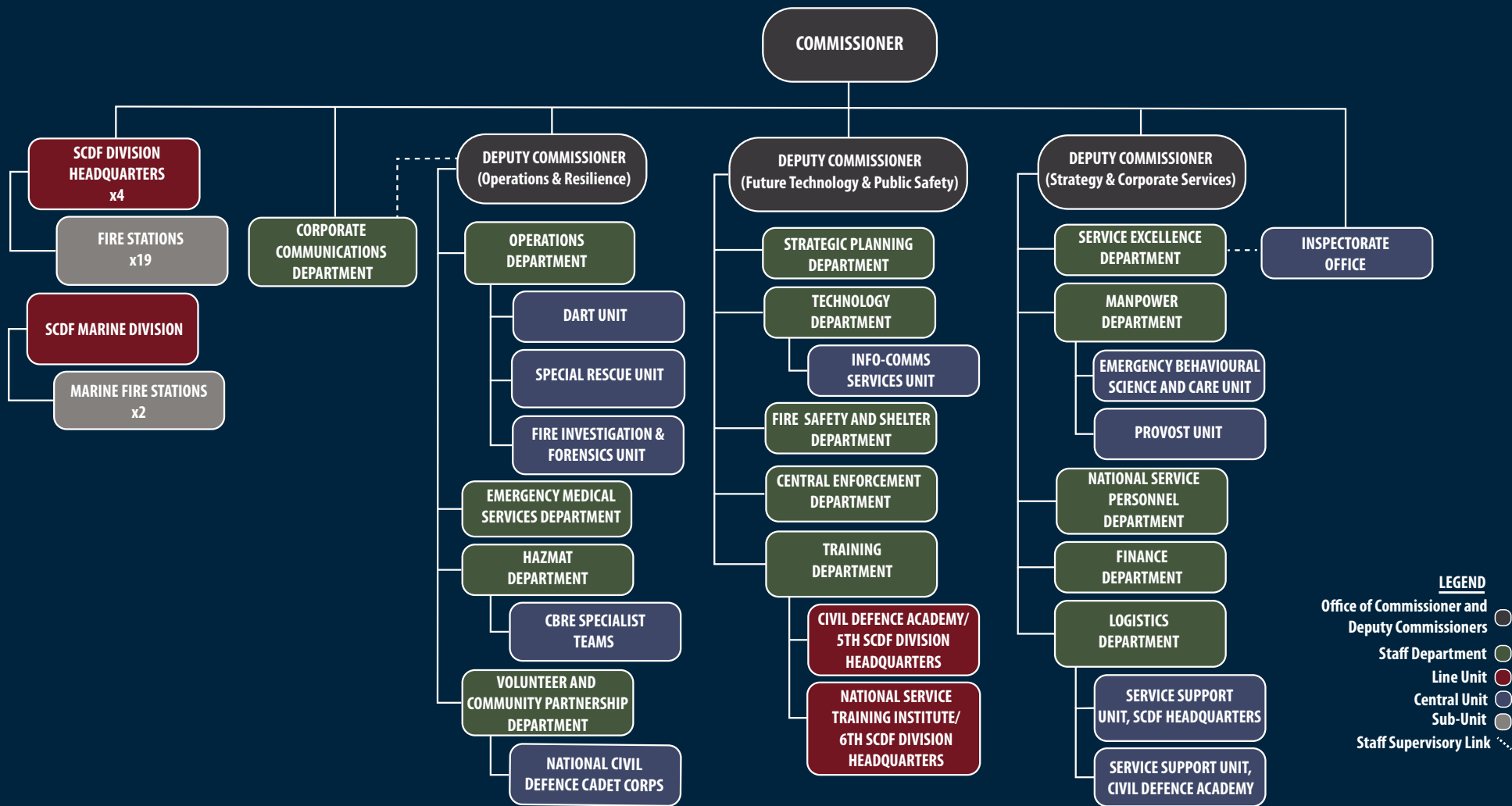


LTC ANTHONY TOH
COMMANDER
4TH SCDF DIVISION

SCDF ESTABLISHMENTS



ORGANISATION STRUCTURE



OPERATIONAL EXCELLENCE



Trump-Kim Summit

Singapore hosted the Trump-Kim Summit on 12 June 2018 at Capella Singapore hotel, Sentosa. About 5000 Home Team officers, including SCDF career officers and National Servicemen, and hundreds of emergency vehicles were deployed for standby at the event.



33rd ASEAN Summit

Singapore hosted the 33rd ASEAN Summit and other related summits at Suntec Singapore Convention Centre from 11 to 15 November 2018. 150 emergency responders, including SCDF career officers and National Servicemen, and 20 emergency vehicles were deployed for standby at the event.



Civil Defence and Other Matters Bill 2018

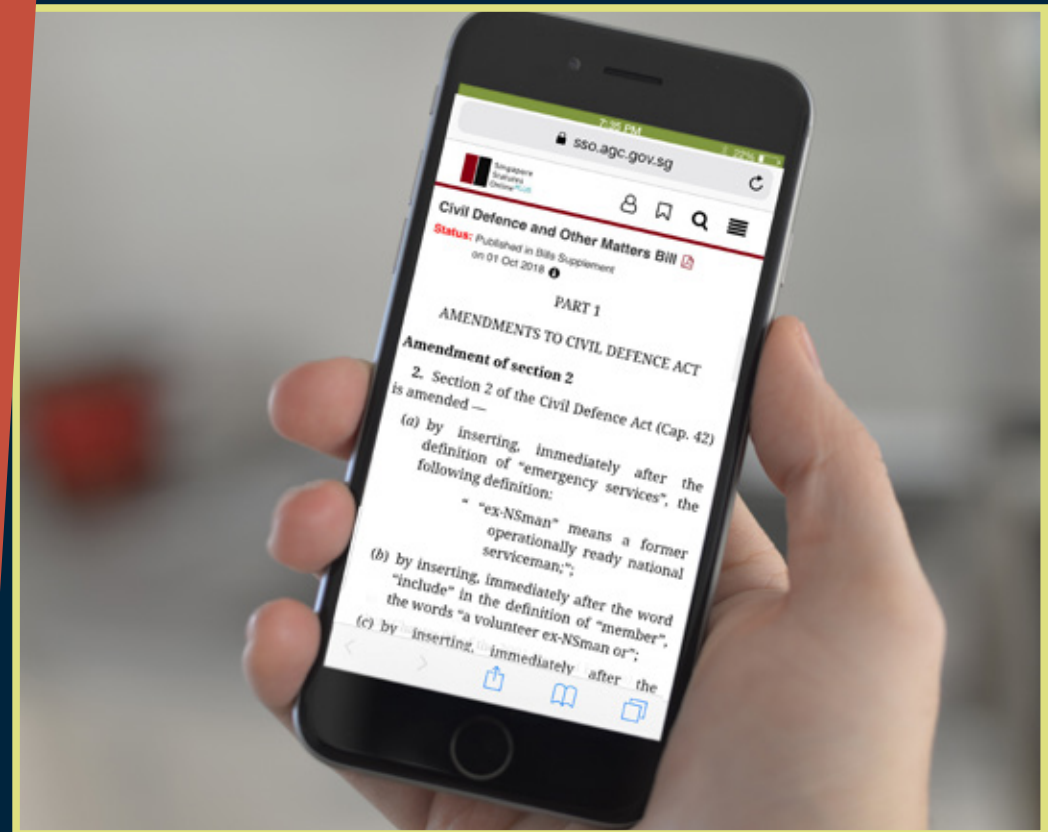
The Civil Defence and Other Matters Bill 2018 was passed in Parliament on 20 November 2018.

The changes will:

Enhance SCDF's operational response and efficiency;

Provide SCDF officers with clearer legal powers to respond to a wider range of incidents where public safety may be at risk; and

Strengthen SCDF's human resource and disciplinary frameworks.





Heavy Fire Vessel

On 26 June 2018, COMR Eric Yap officiated the Heavy Fire Vessel (HFV) launch ceremony.

The HFV is a 50-metre vessel that can deliver 360-degree firefighting coverage with an unparalleled pump capacity of 240,000 liters per minute of seawater.

The HFV is the first firefighting vessel that is designed and developed in Singapore. It is also the first firefighting vessel in the world to be integrated with the most advanced Dynamic Positioning System module which automatically maintains the vessel's position and heading during firefighting operations.

As the HFV is equipped with chemical, biological and radiological capabilities, it can also be deployed for marine HazMat incidents.

3rd Rapid Response Fire Vessel - 'White Swordfish'

On 17 October 2018, COMR Eric Yap officiated the third Rapid Response Fire Vessel (RFV) launch ceremony. The RFV is a purpose-built vessel designed by the Marine Command to enhance its rescue capability in shallow waters. The vessel is able to reach a maximum speed of 40 knots. It is equipped with powerful monitors and the innovative Launch and Recovery System that can be activated to deploy inflatable rescue boats.





Heavy Rescue Vessel

On 7 November 2018, COMR Eric Yap officiated the Heavy Rescue Vessel (HRV) launch ceremony. The HRV, SCDF Marine Command's first Catamaran (twin-hulled) vessel, is equipped with a slew of facilities such as shower cubicles for decontamination of mass casualties affected by hazardous materials and an innovative airlift system to convey critically-injured casualties.

The SCDF Marine Command's area of operations covers all of Singapore's territorial waters.

As of 2018, Singapore's maritime capital remains as one of the busiest ports in the world.

DART Amphibious Vehicle

On 24 November 2018, Mrs Josephine Teo, Minister for Manpower and Second Minister for Home Affairs, launched the DART Amphibious Vehicle (DAV) at the Singapore-Global Firefighters and Paramedics Challenge 2018.

The DAV is designed for coastal firefighting and water rescue operations. Operated by a four-men crew from the elite SCDF Disaster Assistance and Rescue Team (DART), the DAV is able to reach a maximum speed of 100km/h on land and 25 knots in water. This customised vehicle carries a portable water pump that can be used to draw water from bodies of water and fire hydrants, and equipped with a remote-controlled monitor for fighting fire. Empowered with the hydraulic wheel-retracting technology, it transits from land to water within a span of a mere 15 seconds.





World Firefighters Games 2018

From 10 to 17 September 2018, 10 SCDF career officers participated in the World Fire Firefighter Games held in Chungju, South Korea. The team won 55 medals (33 Gold, 13 Silver and 9 Bronze) at the games that were designed to test the skills, fitness and determination of firefighters from around the world.





Ferno Australia Paramedic Simulation Challenge

On 21 September 2018, a team of SCDF paramedics participated in the Ferno Australia Paramedic Simulation Challenge held in Gold Coast, Australia. The team emerged Champion at this fast-paced scenario-based competition that was designed to hone paramedics' communication and clinical skills.



Australasian Police & Emergency Services Games 2018

In November 2018, a team of 11 SCDF career officers participated in the Australasian Police & Emergency Services Games 2018. The team won 56 medals (17 Gold, 19 Silver and 20 Bronze) at the games that were designed to bring emergency responders together under the common banner of friendly competitions.



Body-Worn Cameras for Paramedics

From 1 February 2019, SCDF will progressively equip all SCDF paramedics with body-worn cameras that are worn over the ear. The camera recordings will provide greater accountability on the interactions between the emergency medical service crew and patients. The data will also be used for coaching and training purposes.

The emergency medical service crew will be able to stop recording in certain situations such as when dealing with maternity cases. Only authorised personnel are allowed to handle the collection, storage and use of data. For added security, the data will be encrypted and all access will be logged to enable audit checks.



Ground Breaking Ceremony of Punggol Fire Station and Neighbourhood Police Centre

On 11 March 2019, Mr Ng Chee Meng, Minister, Prime Minister's Office and Ms Sun Xueling, Senior Parliamentary Secretary, Ministry of Home Affairs and Ministry of National Development, officiated the Ground Breaking Ceremony of Punggol Fire Station and Neighbourhood Police Centre.

The construction of the 5-storey Home Team establishment will begin in mid-2020.

Punggol Fire Station will be Singapore's 23rd fire station.



Fire@31 Sungei Kadut

On 17 December 2018 at approximately 3am, SCDF responded to a warehouse fire at 31 Sungei Kadut Street 2. 12 water jets were used to bring the fire under control. 25 emergency vehicles and about 90 emergency responders were deployed to put out the fire.



Fire@16 Jalan Mesin

On 21 December 2018 at approximately 9.20am, SCDF responded to a factory fire at 16 Jalan Mesin. At the height of the firefighting operation, seven water jets and foam were used to bring the fire under control. 14 emergency vehicles and about 45 emergency responders were deployed to put out the fire.



Fire@Tuas View Circuit

On 1 January 2019 at approximately 9.40am, SCDF responded to a warehouse fire at Tuas View Circuit. At the height of the firefighting operation, eight water jets, foam and an unmanned firefighting machine, were used to bring the fire under control. 13 emergency vehicles and about 55 emergency responders were deployed to put out the fire.



Rescue@ Mackenzie Road

On 20 October 2018, at approximately 3.10am, SCDF responded to a rescue operation at Mackenzie Road. The road traffic accident involved three passengers. Two fire engines, two fire bikes, three ambulances and two supporting vehicles were deployed for this incident.



SCDF IN-THE-NEWS



SCDF, China agency co-lead search and rescue training

Tan Yau Hai
in Beijing

Some 30 search and rescue personnel, hailing from nine nations, trained together for the first time during the inaugural Senior Training Course for Urban Search and Rescue in Beijing last month.

It was co-chaired by the Singapore Civil Defence Force (SCDF) and the Chinese Earthquake Administration (CEA). The participants from Asian member states and the Asia Pacific region were invited to a week-long training course that takes place under the Asian Regional Forum.

One of the key objectives of the course, which runs from May 7 to 16, was to foster cooperation and share disaster relief techniques and experiences among international response groups.

Participants from the SCDF's Disaster Assistance and Rescue Team (DART), SCDF as the first organisation in the Asia Pacific region to be classified as a Heavy Urban Search and Rescue Team by the International Search and Rescue Advisory Group (INSAROG) in 2006. DART, which has about 70 members, is trained in dangerous and complex rescue operations.

They also made up part of the 2017 standby contingency, a combined Operations Liaison, that provides urban search and rescue and humanitarian relief to countries affected by major disasters.

Rescue classes include, but are not limited to, search and rescue, and search and rescue operations. The training course also allowed for capacity building in emergency response between the countries in the region.

"This way, when disaster strikes, international search and rescue groups can work seamlessly to provide relief on the ground," said SCDF's Lieutenant Colonel Chan Kang Tak, 41, who is also commander of the SCDF's Disaster Assistance and Rescue Team (DART).

SCDF is the first organisation in the Asia Pacific region to be classified as a Heavy Urban Search and Rescue Team by the International Search and Rescue Advisory Group (INSAROG) in 2006. DART, which has about 70 members, is trained in dangerous and complex rescue operations.

Participants were from regional countries including the Philippines, Indonesia, Thailand, Vietnam, Australia and Pakistan.

CEA's National Earthquake Response Support Service Executive Officer (NERSSE) said, "We're organising this course not only because we want to learn from Singapore, but also to help other countries meet their own needs."

Chen and Singaporean firefighters must have leading different segments of the training.

"We'll also see the first time the two countries are training together at the course," said "This training course allows everyone to have a better grasp of each other's team capabilities when they meet on-site. This will encourage operational cooperation on the ground."

"At the end of the day, everyone's priority, no matter where you come from, is to save lives as you can," added Lt Col Chan, who has 37 years of experience in the force.

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Senior Major-in-Chief Ahmad Farid has been with SCDF since 1989, and has been an active member since 2005. (P. PHOTO: TAN YAU HAI)

Veteran officers recall 2008 Sichuan quake

Recalling the scene in the city of Shidong, in north-east Sichuan, in 2008, Senior Warrant Officer Ahmad Farid said the magnitude 7.9 earthquake had destroyed most of the buildings, including two schools, and left the streets covered in rubble.

He was part of the 46-strong Operation Linkhand contingent that was sent to aid in disaster relief following the earthquake.

"The place was a giant oven, nobody was around. All the buildings around had been flattened, like pancakes," said the veteran Singapore Civil Defence Force (SCDF) officer referring to the epic of collapse where floors of a building fell on top of each other.

"The 40-year-old has been with the Disaster Assistance and Rescue Team (DART) since 1995, and has been a member of the team in Pakistan, New Zealand and most recently, Thailand in Indonesia."

On May 16, the first deputy group commander was back in the Sichuan region, for the first time since the disaster. He

was among a group of search and rescue personnel who visited the affected sites of the earthquake as part of activities to mark the 10th anniversary of the tragedy that left more than 87,000 dead or missing.

The visit to the affected areas and memorial sites rounded up the week-long Senior Training Course for Urban Search and Rescue for the group. The course was co-hosted by SCDF and the Chinese Earthquake Administration (CEA) in Beijing, China.

Australian Commissioner Francis Ng, 50, who was also in Sichuan in 2009 as contingent commander of Operation Linkhand, said one of the scenes that struck him when they arrived at the site was seeing "Chinese rescuers taking the body of a child from the rubble."

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A helping hand when disaster strikes

ASEAN is committed to risk reduction and management of disasters that hit the region. BY TENG HOE ANN

SINCE 1987, ASEAN Member States have collectively signed several treaties, including the ASEAN Agreement on Disaster Preparedness and Response, to reduce the risk of natural disasters and to enhance the region's ability to respond to disasters. The ASEAN Agreement on Disaster Preparedness and Response (AADPR) is a key instrument in this regard. It provides a framework for the region to coordinate and cooperate in disaster preparedness and response.



The Singapore Civil Defence Force (SCDF) has been instrumental in disaster preparedness and response in the region.

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(Above) SCDF personnel used rescue tools to break the car window and get the child out. The toddler (below) had sat on the car key, locking the doors.

PHOTOS: SHIN MIN DAILY NEWS

Toddler rescued after being trapped in car

A 17-month-old boy who was trapped in a car for about half an hour at an open-air carpark at Block 462 Sembawang Drive yesterday was rescued by Singapore Civil Defence Force (SCDF) personnel, who had to break one of the car windows to free him.

The Straits Times reported that one of the toddler's parents had parked the car at the carpark.

The parent left the vehicle to take something from the boot, closing the door and leaving the car key on one of the seats.

The toddler then sat on the



key, locking the doors.

An SCDF spokesman told The New Paper yesterday that it had received a call for help at around 9.20am.

Eleven SCDF personnel arrived at the scene and used rescue tools to break the window and get the child out.

The rescuers had to distract the baby before shattering the glass so that he would not get hurt.

Source: The Straits Times, 22 December 2018, Pg A4 © Singapore Press Holdings Limited. Permission required for reproduction.

Source: The New Paper, 04 January 2019, Pg 8.

SCDF IN-THE-NEWS

East Coast furniture shop razed

No injuries reported; SCDF investigating the cause of the fire

Goh Yan Hin

A fire engulfed a furniture shop at 1201 Upper East Coast Road early yesterday morning. The Singapore Civil Defence Force (SCDF) said in a series of Facebook posts that it had been alerted to a fire at the furniture shop at 1.35am.

Eleven emergency vehicles and about 35 firefighters were involved. At one point, five water jets were used to fight the fire under control.

"The fire which involved commercial furniture shop was extinguished in about two hours. Damaging-down operations are ongoing," said the SCDF.

Residents who had been evacuated by the police and the SCDF as a safety precaution were allowed to return to their homes. There were no reported injuries and the SCDF is investigating the cause of the fire.

Mi Rajeson Estrop, 66, was awoken by his wife at 1.4am as she thought something in their house was burning, due to the strong smell of smoke. Smoke had entered their house from their daughter's bedroom window. The retiree, who lives in the nearby Tap Lane Terrace, said: "From my house, I could see a large reflection of the fire on the windows of the condominium opposite."

When he went to the scene of the fire, he found that the road had been cordoned off, with some people gathered outside. "The flames were going four to five storeys high," said Mr Estrop. "But it was too dark and far away to tell if there was anyone from the shop inside or around the building."

The main shop sold furniture such as beds, sofas and chairs and he used to repair beds from 8a. He said a small space on the land was also rented to a photo framing shop.

In December, a fire broke out at a single-storey furniture warehouse in Selegie Road and 25 emergency vehicles and about 90 firefighters were deployed.

gyanhan@sp.com.sg



Above: A fire engulfed a furniture shop at 1201 Upper East Coast Road early yesterday morning.

Left: The SCDF said that the fire was extinguished in about two hours.



(From left) Lieutenant Yeo Ren Jie, Major Janice Oh and Captain Amelia Justina Lim. PHOTO: LIANHE ZAOBAO

These SCDF paramedics are trained to fight fires

TANTAMMEI

Singapore Civil Defence Force (SCDF) officers are highly regarded for their life-saving skills, with most either specialising in tackling raging blazes or providing emergency ambulance response.

But a small group have now been trained as both paramedics and firefighters, in line with the force's push to have its personnel respond to different kinds of incidents.

There are now around 10 officers who started out as paramedics and trained to become firefighters. After their stints in the two areas, many of them go on to work in policy-related roles, making use of knowledge they gained on both fronts.

Lieutenant Yeo Ren Jie, 30, who was a paramedic for six years, completed his training as a senior fire and rescue officer last year.

Knowing both operations has allowed him to integrate the different skills, and is helping him to make decisions on the ground as a rota commander at Yishun Fire Station, a role he took on about a month ago.

Previously, "a clear line was drawn" between fire and medical operations, said Lt Yeo. "For example, when firefighters extricate a person, the medical side (paramedics) takes over. Now it's about blending them together."

While the role of a firefighter is generally still perceived as more dangerous than that of a paramedic, Captain (Capt) Amelia Justina Lim, 37, believes they are equally challenging.

"As a firefighter, you're managing a big group and a large incident scene that can change anytime," said Capt Lim, an emergency medical services (EMS) team leader at the 3rd SCDF Division.

"As a paramedic, your incident scene is smaller because you might focus on one patient, but it's equally dynamic. And in both you have to rise up to the occasion."

For Major Janice Oh, 41, making the switch from ambulances to fire engines was an exciting journey and the nine months of intensive firefighting training was a learning experience, she said.

Maj Oh, the assistant director of the force's EMS Readiness department, was the first paramedic to be "cross-trained" as a firefighter in 2005.

She currently oversees the force's EMS tiered-response framework which was implemented in 2017 and deploys resources according to seriousness of a medical incident.

"Having been at the front line in both roles, it puts me in a better position to make decisions," she said.

tantam@sp.com.sg

Source: The New Paper, 07 February 2019, Pg 12

Lunchtime power outage hits shops, eateries, train stations

Power cut off in areas including City Hall and Bugis after hotel substation glitch causes fire

By The Straits Times

The Singapore Civil Defence Force (SCDF) said it was alerted to a fire at the hotel substation at 12.35pm on Monday. The fire was extinguished in about two hours. Damaging-down operations are ongoing.



Power cut off in areas including City Hall and Bugis after hotel substation glitch causes fire. The Singapore Civil Defence Force (SCDF) said it was alerted to a fire at the hotel substation at 12.35pm on Monday. The fire was extinguished in about two hours. Damaging-down operations are ongoing.

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Source: The Straits Times, 15 February 2019, Pg A4 © Singapore Press Holdings Limited. Permission required for reproduction.



Three hours to douse fire in 7 Geylang shophouses

Source: The Straits Times, 18 March 2019, Pg B2 © Singapore Press Holdings Limited. Permission required for reproduction.

PUBLIC PROTECTION



National Fire and Civil Emergency Preparedness Council Fire Safety Seminar 2018

On 21 August 2018, Ms Sun Xueling, Senior Parliamentary Secretary, Ministry of Home Affairs and Ministry of National Development, officiated the Fire Safety Seminar 2018 organised by the National Fire and Civil Emergency Preparedness Council (NFEC). The seminar aimed to equip fire safety practitioners from the commercial and industrial sectors with knowledge on fire prevention and emergency preparedness at workplaces.



Fire Code 2018

Ms Sun Xueling, Senior Parliamentary Secretary, Ministry of Home Affairs and Ministry of National Development, launched the Fire Code 2018 at the Fire Safety Seminar 2018.

The fire code for buildings was revised with the use of fire science research and modelling. These technologies helped determine, among other things, the ideal size and location of smoke vents in auditoriums so that fumes would not hinder evacuation during a fire.

The Fire Code 2018 is effective since 1 March 2019.





Enforcement Checks

On 14 December 2018, in preparation for the year-end festive season, SCDF conducted fire safety enforcement checks at public entertainment outlets and shopping malls. Held over and above the enforcement checks conducted throughout the year, these checks act as reminders for owners and occupiers of public buildings to comply with fire safety regulations. This is crucial as visitors' load is usually higher during the festive periods.



**COMMUNITY
PREPAREDNESS**

Save-A-Life Initiative

In 2015, SCDF introduced the Save-A-Life initiative with the aim to increase the availability of publicly accessible AEDs and improve the chances of survival for Out-Of-Hospital cardiac arrest victims.

Since March 2019, one AED has been installed in every two Housing Development Board flats and within the next two years, AEDs will also be installed in 100 condominiums.

Members of the public can learn CPR and AED skills at a 60-minute "Dispatcher-Assisted first Responder" (DARE) Plus programme organised by the Ministry of Health's Unit for Pre-hospital Emergency Care (UPEC) and supported by SCDF. In addition, they can also respond to any potential cardiac arrest cases within their vicinity upon receiving a notification from the *myResponder* mobile application.





Revamped Emergency Preparedness Day Events

In support of the SGSecure national movement, the Emergency Preparedness Day event was revamped in 2016 to promote the core messages of SGSecure namely, Community Resilience, Community Vigilance and Community Cohesion. At these events, residents can learn the 'Improved First Aid Skills (IFAS)' and 'Run Hide Tell' advisory to familiarise themselves on what to do in the event of an attack.

As of December 2018, SCDF has participated in 89 Emergency Preparedness Day events held at constituencies island-wide.



4th Volunteer Firefighters' Course

14 Civil Defence Auxiliary Unit volunteers completed a rigorous 16-week Volunteer Firefighters' Course that was held from 20 March to 8 July 2018. Since graduating from the course on 19 July 2018, they have been volunteering their fire and rescue services at SCDF fire stations island-wide.



Civil Defence Lionhearter Forum 2018

On 17 April 2018, Mr Amrin Amin, Parliamentary Secretary for the Ministry of Home Affairs, officiated the Civil Defence Lionhearter Forum 2018 at Singapore University of Technology and Design. Civil Defence Lionhearters from 13 educational institutions from ITE colleges, polytechnics and universities took part in the forum.

At the event, Mr Amrin also unveiled the *150 Years of Civil Defence Volunteerism* logo. This year, SCDF is commemorating this milestone and paying special tribute to all SCDF volunteers and Community First Responders.



150 Years of Civil Defence Volunteerism logo



Launch of Civil Defence Lionhearter Club in Singapore Institute of Technology

On 10 May 2018, the Singapore Institute of Technology (SIT) Civil Defence Lionhearter Club was officially launched by Associate Professor Ho Peng Kee, Chairman of the Home Team Volunteer Network.

SIT is the fourth local university to join the Civil Defence Lionhearter fraternity.





National Civil Defence Cadet Corps Affirmation Day and Carnival at Heartbeat@ Bedok

On 29th June 2018, the annual National Civil Defence Cadet Corps' (NCDCC) Affirmation Day was held at a public venue for the first time. At this event, new cadets were enrolled to NCDCC at a formal ceremony while senior cadets and volunteers imparted lifesaving skills to members of the public.

Launch of Civil Defence Lionhearter Club in Singapore Management University

On 31 August 2018, the Singapore Management University (SMU) Civil Defence Lionhearter Club was officially launched by Associate Professor Ho Peng Kee, Chairman of the Home Team Volunteer Network.

SMU is the fifth and final local university to join the Civil Defence Lionhearter fraternity.



Junior Civil Defence Lionhearter Appointment Ceremony 2018

On 16 November 2018, Ms Sun Xueling, Senior Parliamentary Secretary for the Ministry of Home Affairs and the Ministry of National Development, officiated the Junior Civil Defence Lionhearter Appointment Ceremony 2018 at Xingnan Primary School. 300 students from various primary schools were appointed as new Junior Civil Defence Lionhearters at the ceremony.





Junior Civil Defence Lionhearter Challenge 2019

On 14 February 2019, Associate Professor Ho Peng Kee, Chairman of the Home Team Volunteer Network, officiated the Junior Civil Defence Lionhearter Challenge 2019 at Singapore Discovery Centre. At this hands-on competition, Junior Civil Defence Lionhearters from primary schools across Singapore pitted their emergency preparedness knowledge and skills against one another. The participants were also tested on their knowledge on SGSecure skills such as the 'Improved First-Aid Skills'.

Woodgrove Primary School emerged Champion, West Grove Primary School as 1st runner up and Qifa Primary School as 2nd runner up.

The event was held in conjunction with SCDF's year-long celebrations of *150 Years of Civil Defence Volunteerism* in Singapore.

ORGANISATIONAL EXCELLENCE



Operation Lionheart @ Attapeu Province in Laos

On 3 August 2018, a 17-member SCDF Operation Lionheart contingent comprising officers from the elite SCDF DART, fire and rescue specialists, operations officers, a paramedic and a technical support officer, were deployed to the Attapeu province in Laos to assist in search and rescue operations at the aftermath of a severe flood. The contingent also provided medical assistance to the affected locals.

On 13 August 2018, a 32-member Home Team contingent including 18 SCDF officers and one full-time national serviceman doctor replaced the 17-member SCDF Operation Lionheart contingent.

This is the 18th SCDF Operation Lionheart deployment since its inaugural deployment in 1990.





ASEAN Strategic Policy Dialogue on Disaster Management 2018

On 17 August 2018, Mr K Shanmugam, Minister for Home Affairs and Minister for Law, officiated the ASEAN Strategic Policy Dialogue on Disaster Management (SPDDM) 2018 at InterContinental Singapore.

The ASEAN SPDDM 2018, held in conjunction with World Humanitarian Day, aimed to sharpen ASEAN's strategic engagements and thought leadership in disaster management. Jointly organised by SCDF, ASEAN Secretariat and ASEAN Coordinating Centre for Humanitarian Assistance on Disaster Management (AHA Centre), the dialogue was attended by 160 participants including officials, ambassadors and ASEAN and United Nations representatives as well as partners from the private sector and non-governmental organisations.



INSARAG External Reclassification 2018

On 7 September 2018, the 79-member SCDF Operation Lionheart Contingent was reclassified a Heavy Urban Search and Rescue (USAR) team by the United Nations' International Search and Rescue Advisory Group (UN INSARAG). The contingent, which includes SCDF career officers and National Servicemen, was assessed by 13 UN INSARAG international classifiers at a 36-hours exercise.

The 'Heavy' classification is the highest level of recognition accorded to USAR teams globally and it validates SCDF's capability to conduct complex search and rescue operations in the aftermath of urban disasters.



ASEAN-ERAT @ Sulawesi in Indonesia

Between 29 September to 8 October 2018, LTC Tan Teck Ming, LTC Nazim Bin Kudin, LTC Mohamed Firoz bin Ramjan, MAJ Kenneth Mak and MAJ Jennyline Fan were deployed to Sulawesi, Indonesia, as part of a ASEAN Emergency Response and Assessment Team (ERAT) following a Tsunami.

The primary function of the ASEAN-ERAT is to provide rapid assessment and determine the critical resources required for the areas affected by the disaster.

PEP-SBF Awards 2018

TRANSFORMING REGULATIONS THROUGH COLLABORATION

GUEST OF HONOUR
MR CHAN CHUN SING
MINISTER FOR TRADE AND INDUSTRY
9 NOVEMBER 2018



Pro-Enterprise Panel-Singapore Business Federation Awards 2018

On 9 November 2018, Mr Chan Chun Sing, Minister for Trade and Industry, officiated the Pro-Enterprise Panel-Singapore Business Federation (PEP-SBF) Awards 2018 event at Marina Bay Sands Expo and Convention Centre.

At the event, SCDF was conferred the PEP-SBF Pro-Enterprise Agency Award for its sustained efforts in supporting enterprise and innovation in a regulatory environment.

SCDF Parade

The SCDF Parade was held on 24 November 2018 at Singapore Expo Hall 1. Led by LTC Ryan Ong, Parade Commander, the parade featured contingents from SCDF and its National Service units, National Civil Defence Cadet Corps and Civil Defence Lionhearter Clubs. Mrs Josephine Teo, Minister for Manpower and Second Minister for Home Affairs, reviewed the parade.





Singapore-Global Firefighters and Paramedics Challenge 2018

The Singapore-Global Firefighters and Paramedics Challenge 2018, held on 24 November 2018 at Singapore Expo Hall 1, saw the participation of emergency responders from ten countries, SCDF career officers and National Servicemen as well as members of the Company and Community Emergency Response Teams, National Civil Defence Cadet Corps and Civil Defence Lionhearter Clubs.

WO Muhd Bukhary Abu Bakar from the elite SCDF DART emerged Champion at the signature Braveheart Challenge with a timing of 5 minutes and forty-seven seconds. This is the fifth consecutive year in which DART had emerged champion since the challenge was introduced in 2013.



Life Savers Connect 2018

The Life Savers Connect 2018 was held from 23 to 25 November 2018 at Expo Hall 2. Themed 'Together, A Nation of Lifesavers: Transforming into the Future', the public exhibition aimed to equip visitors with emergency preparedness knowledge and basic competency in the 'Triangle of Life' skillset namely firefighting, CPR-AED and First-Aid.

The event was attended by more than 23,000 visitors.





SCDF Lifesavers' Innovation Challenge

In 2018, SCDF launched the inaugural Lifesavers' Innovation Challenge targeted at undergraduates from local universities. Participants were required to propose and develop innovative solutions that leverage latest technologies to help SCDF overcome the challenge of resource constraints.

Ang Yang, Chen Wei Jian and Poh Yong Keat from the Nanyang Technological University's Renaissance Engineering Programme emerged Champion at the challenge.





Intersec Fire Safety Conference

The Intersec Fire Safety Conference was held on 21 and 22 January 2018 in Dubai. At the conference, Comr Eric Yap highlighted the role of SCDF and how The Life Saving Force strives to remain relevant in tackling future emergencies.





Institution of Fire Engineers Centennial Celebration in 2018

In conjunction with the Institution of Fire Engineers Centennial Celebration in 2018, a one-day fire safety seminar and two-day climbathon to Mount Kinabalu were held from 18 to 23 April 2018. At the seminar, LTC Shaiful Herman shared with the attendees on SCDF's expertise in fire investigation.

LTC Shaiful, CPT Benjamin Lim and SWO Zulkifli Bin Latiff also scaled the Mount Kinabalu alongside emergency responders from foreign fire services.



Singapore Civil Defence Force

- Singapore Civil Defence Force (SCDF) is the regulatory body that oversees fire safety in Singapore
- Formulates and implements fire safety policies and regulates fire safety standards in buildings
- Our partners include government agencies, professional bodies and academic institutions



Project Heads, Architects and Consultants Conclave 2018

The Project Heads, Architects and Consultants Conclave 2018 was held from 7 to 9 September 2018 in India. At the conference, AC Lian Wee Teck delivered a speech on how SCDF works with related government agencies, professional bodies and Fire Safety Manager and Company Emergency Response Teams from the private industry to implement and regulate fire safety policies in Singapore.



2nd International Fire and Explosion Hazard Management Conference

The 2nd International Fire and Explosion Hazard Management Conference was held from 29 to 30 October 2018 in Malta. At the conference, Comr Eric Yap gave an insightful presentation on SCDF's innovative spirit and drive towards embracing new technologies to tackle frontline challenges.



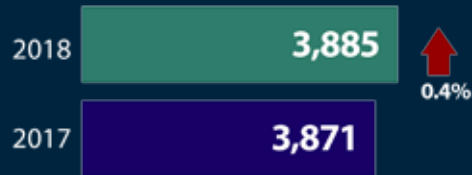
6th Crisis and Emergency Management Conference

The 6th Crisis and Emergency Management Conference was held on 11 March 2019 at Abu Dhabi. LTC Michael Chua shared with the attendees on how SCDF leverages artificial intelligence to enhance its operational efficiency.

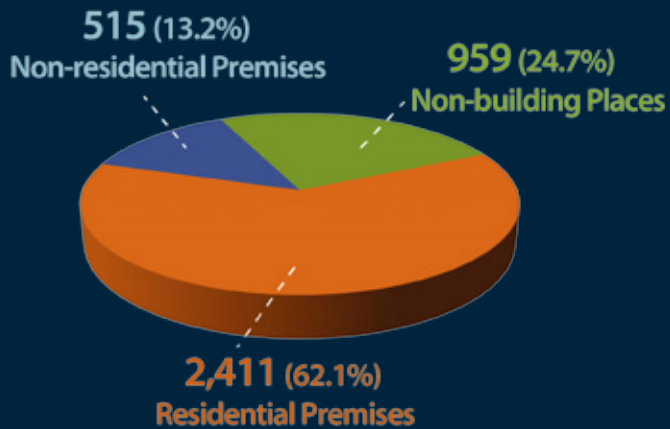
A Snapshot of SCDF's Statistics



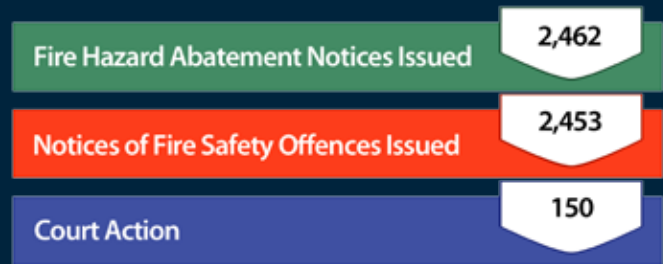
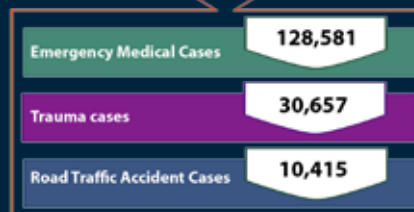
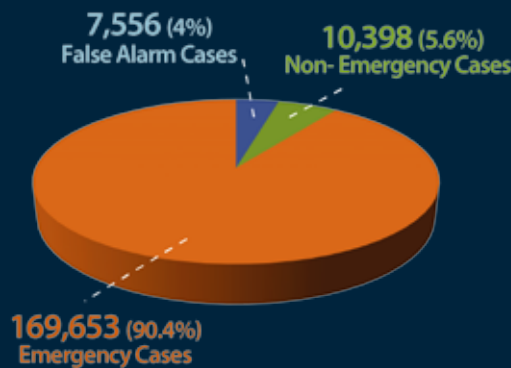
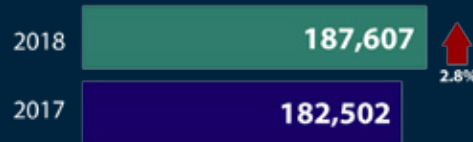
Total Fire Calls



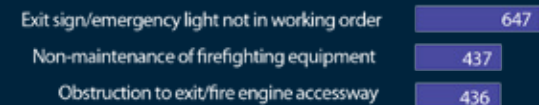
Breakdown of Fire Calls



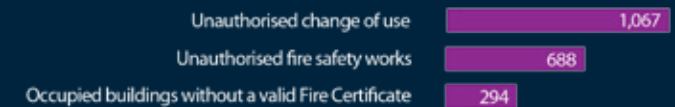
Total EMS Calls



Top 3 Types of Fire Hazard Abatement Notices Issued



Top 3 Types of Notices of Fire Safety Offences Issued



An in-house production

