



**SCDF**

The Life Saving Force

# ANNUAL REPORT FY 17/18



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# COMMISSIONER'S FOREWORD



2017 was a meaningful year for the SCDF. With inquisitive minds and a strong spirit of innovation, we broke new grounds and introduced initiatives that further enhanced our operational response to meet future needs.

At the SCDF Work Plan Seminar 2017, we unveiled two purpose-built frontline emergency assets – the Rapid Response Fire Vessel (RFV) and the Fire Medical Vehicle (FMV). Both resources were conceptualised and designed by the SCDF and we are proud of our innovative spirit which continues to bear testimony of SCDF as an Innovation Excellence Award organisation. While both innovations are hardware based, they each form an important piece of our larger transformation strategy in delivering cutting-edge fire, rescue and Emergency Medical Service (EMS) response with highly skilled responders whom are technologically enabled. This thrust will be further underlined over the next few years as we refresh our training system and infrastructure at the Civil Defence Academy and implement new technologies as force multiplier.

In our line of work, every second matters when it comes to saving lives. The new EMS Response Framework was introduced in view of the escalating EMS demand. In 2017, SCDF responded to more than 180,000 EMS calls, translating to an average of over 500 calls a day. The framework accords life-threatening cases with the highest response priority, as opposed to less serious cases, through the conduct of telephone medical triaging by SCDF 995 Operations Centre Specialists. Aided by a set of medical protocols developed by the SCDF and emergency medicine doctors from the Ministry of Health, calls are assessed and categorised as life-threatening emergencies, emergencies, minor emergencies or non-emergencies. For life-threatening and time-sensitive emergencies, our dual role Fire Rescue Specialists-Emergency Medical Technicians will be deployed on fire bikes alongside the emergency ambulances for an enhanced response. The FMVs will be deployed for minor medical emergencies such as industrial incidents and road traffic accidents. In the subsequent phases of the tiered EMS Response Framework implementation, Emergency Medical

Technicians on Pump Ladders and Red Rhinos will be involved in responding to EMS cases too.

In 2017, the nation celebrated the 50th anniversary of National Service (NS) in Singapore. In the SCDF, we commemorated our NS history and paid tribute to the unyielding commitment, dedication and sacrifices of our generations of National Servicemen (NSmen). Among the notable milestones of this year-long celebration included the official opening of the SCDF NS Gallery known as “The Home of the Rescuers” at the National Service Training Institute and the launch of the NS50 Publication titled ‘Everyday Guardians’, which chronicles the contributions of our generations of Home Team NSmen. Since the first batch of 50 full-time National Servicemen (NSFs) was enlisted under the Singapore Fire Brigade on 22 January 1976, our NSmen have been working hand-in-hand with our frontline career officers to keep Singapore safe and secure. The major firefighting operations that took place at a factory at 28 Tuas Avenue 10 on 24 June 2017 and the oil tank fire on Pulau Busing on 20 March 2018 bear testament to this strong spirit of esprit de corps and solidarity that they share as emergency responders.

The years ahead are going to be very exciting for the SCDF. In this new age of transformation, we will continually develop revolutionary solutions and advanced operational systems, such as the utilisation of artificial intelligence and robotics, to prepare the Force to take on even more complex and multifaceted challenges. As we continue in our stride towards achieving our Vision 2025 to transform Singapore into *A Nation of Lifesavers*, I thank each and every life saver, including families of our personnel, our partners and members of the community, for your tireless contributions and strong support for the SCDF. My team and I look forward to working closely with you in 2018.

COMR Eric Yap



**DC CHONG HOI HUNG**  
**DEPUTY COMMISSIONER**

**COMR ERIC YAP**  
**COMMISSIONER**

**SAC ANWAR BIN ABDULLAH**  
**SENIOR DIRECTOR**  
**EMERGENCY SERVICES**

# **SENIOR** **MANAGEMENT**

# SENIOR MANAGEMENT



**AC LING YOUNG ERN**  
**DIRECTOR**  
OPERATIONS DEPARTMENT



**SAC CHIN LAI FONG**  
**DIRECTOR**  
LOGISTICS DEPARTMENT



**SAC CHRISTOPHER TAN**  
**DIRECTOR**  
FIRE SAFETY AND SHELTER  
DEPARTMENT



**AC FRANCIS NG**  
**DIRECTOR**  
HAZMAT DEPARTMENT



**MS CAROLYN YAP**  
**DIRECTOR**  
MANPOWER DEPARTMENT



**COL NG CHEE KIANG**  
**DIRECTOR**  
SERVICE EXCELLENCE  
DEPARTMENT



**COL LING KOK YONG**  
**DIRECTOR**  
TECHNOLOGY DEPARTMENT



# SENIOR MANAGEMENT



**COL LEE YAM MING**  
**DIRECTOR**  
STRATEGIC PLANNING  
DEPARTMENT



**COL LEE BEE HONG**  
**DIRECTOR**  
NATIONAL SERVICE PERSONNEL  
DEPARTMENT



**COL NG YIH YNG**  
**CHIEF MEDICAL OFFICER**  
MEDICAL DEPARTMENT



**AC ABDUL RAZAK**  
**DIRECTOR**  
PUBLIC AFFAIRS DEPARTMENT  
& VOLUNTEER AND COMMUNITY  
PARTNERSHIP DEPARTMENT



**AC LIAN WEE TECK**  
**DIRECTOR**  
CENTRAL ENFORCEMENT  
DEPARTMENT



**MR WANG HEH**  
**DIRECTOR**  
FINANCE DEPARTMENT



**AC YAZID BIN ABDULLAH**  
**DIRECTOR**  
MEDICAL DEPARTMENT

# *DIVISION*

## *COMMANDERS*



**COL KADIR MAIDEEN**  
**DIRECTOR**  
NATIONAL SERVICE  
TRAINING INSTITUTE



**AC DEREK TAN**  
**COMMANDER**  
SCDF MARINE COMMAND



**AC TEONG HOW HWA**  
**DIRECTOR**  
CIVIL DEFENCE ACADEMY



**COL ALAN CHOW**  
**COMMANDER**  
1<sup>ST</sup> SCDF DIVISION



**COL ALAN TOH**  
**COMMANDER**  
2<sup>ND</sup> SCDF DIVISION



**LTC ERIC CHUA**  
**COMMANDER**  
3<sup>RD</sup> SCDF DIVISION



**COL MICHAEL CHUA**  
**COMMANDER**  
4<sup>TH</sup> SCDF DIVISION












# SCDF ESTABLISHMENTS

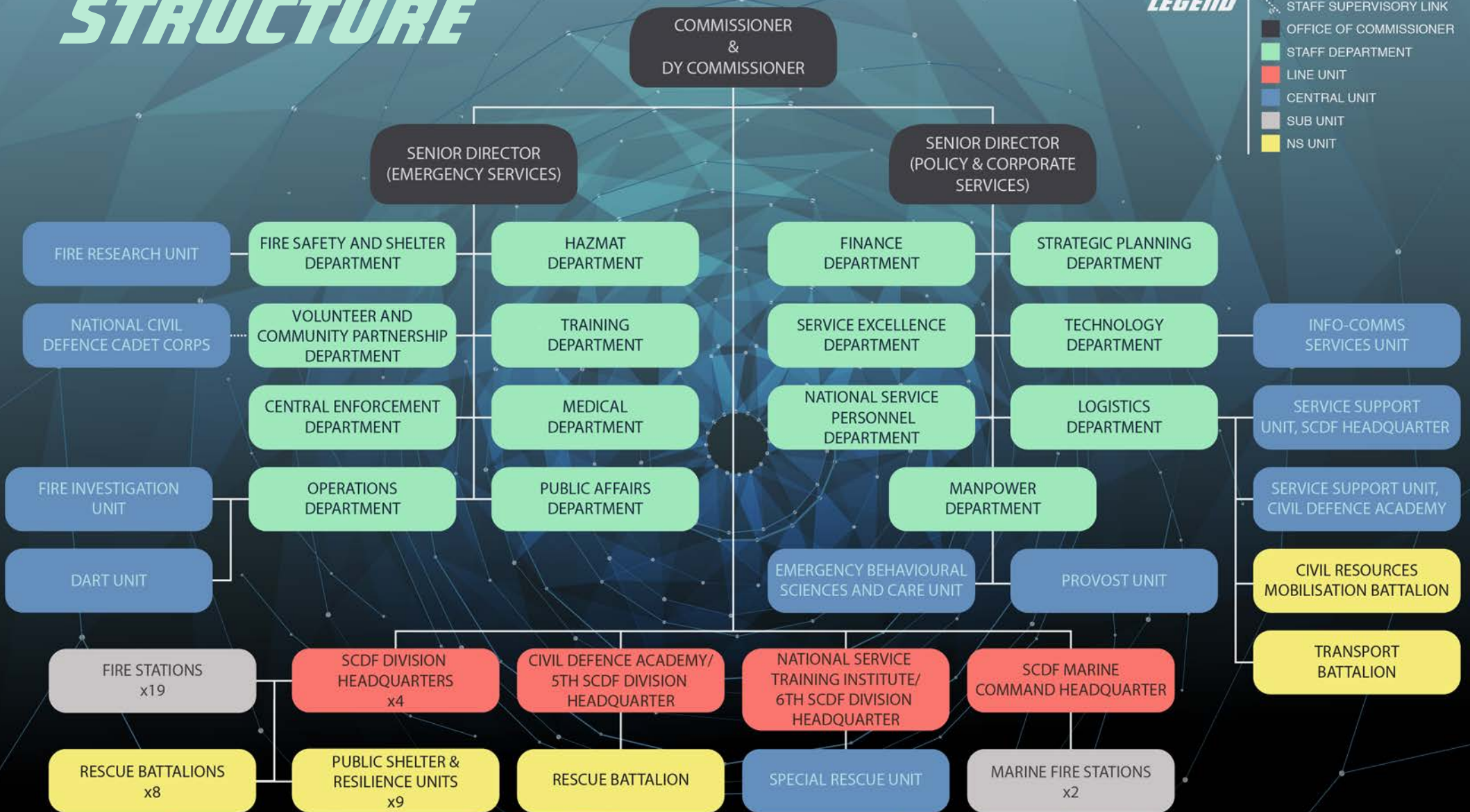


- LEGEND**
- ▲ TRAINING FACILITIES
  - FIRE POST
  - ⊙ FIRE STATION
  - ⊕ DIVISION HEADQUARTERS
  - ⚓ MARINE FIRE STATIONS
  - ★ HQ SCDF

# ORGANISATION STRUCTURE

## LEGEND

-  STAFF SUPERVISORY LINK
-  OFFICE OF COMMISSIONER
-  STAFF DEPARTMENT
-  LINE UNIT
-  CENTRAL UNIT
-  SUB UNIT
-  NS UNIT



# *OPERATIONAL EXCELLENCE*



# EMERGENCY MEDICAL SERVICE RESPONSE FRAMEWORK

The SCDF Emergency Medical Service (EMS) Response Framework was introduced on 1 April 2017. Under this framework, SCDF will prioritise 995 calls based on the severity of the patients' medical conditions into four categories namely life-threatening emergencies, emergencies, minor emergencies and non-emergencies.

A critical driver to the effectiveness of the framework is the ability of the SCDF 995 Operations Centre Specialists to conduct telephone medical triaging to accurately assess and classify the severity of each call. The telephone medical triaging process at the 995 call centre is aided by the Advanced Medical Protocol System, a system specially developed by the SCDF and emergency medicine doctors from the Ministry of Health for triaging a patient's case acuity.

Since April 2017, SCDF has been deploying Emergency Medical Technician on the fire bike alongside the ambulance to provide advanced medical capabilities and faster response for each life-threatening case. The Fire Medical Vehicles are also deployed for industrial and road traffic accident cases that are assessed to be minor emergencies.

The SCDF will continue to implement this framework in different phases in the upcoming years.

## NEW EMERGENCY MEDICAL SERVICE RESPONSE FRAMEWORK

SCDF's new Emergency Medical Service (EMS) response framework provides faster and enhanced assistance to those who need it.

When you call 995 for medical assistance, SCDF will assess the severity of your case and respond accordingly as follows:

CATEGORY OF CASES	EXAMPLES	RESPONSE
<b>LIFE-THREATENING EMERGENCIES</b>	Cardiac arrest, unconsciousness, breathlessness, active seizure, major trauma and stroke	Highest priority Fastest response Extra resources deployed
<b>EMERGENCIES</b>	Severe allergy, emergency labour, head injury, bone fracture, asthma, elderly with chronic medical conditions and sick children	High priority Fast response
<b>MINOR EMERGENCIES</b>	Cut with bleeding, accident with bruising, swelling, mild injury and persistent fever	Lower priority Slower response <small>In 2017, SCDF attended to 42,581 minor emergency cases (23.3% of total ambulance calls)</small>
<b>NON-EMERGENCIES</b>	Constipation, chronic cough, diarrhoea and skin rash	Emergency medical assistance not required Seek treatment at clinics or call <b>1777</b> for non-emergency ambulances <small>In 2017, SCDF attended to 11,304 non-emergency cases (6.2% of total ambulance calls)</small>

SCDF officers at the 995 Call Centre are supported by paramedics and staff nurses who are trained to prioritise your cases, deploy the appropriate resources and provide medical advice.



Message brought to you by:



SCDF's Emergency Medical Service Response Framework provides

### faster and enhanced assistance for life-threatening emergencies



Message brought to you by:



Please scan for more information:



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## ***RAPID RESPONSE FIRE VESSELS***

Two Rapid Response Fire Vessels (RFVs) were commissioned at the SCDF Work Plan Seminar 2017 that was held at ONE° 15 Marina Club, Sentosa Cove on 3 May 2017. Named Red Swordfish and Blue Swordfish, these purpose built vessels, designed by the SCDF Marine Command, comprise two water monitors that can discharge 5,000 litres of sea water a minute. The RFVs are also capable of reaching a top speed of 40 knots with high manoeuvrability.

## **FIRE MEDICAL VEHICLE**

The Fire Medical Vehicle (FMV) was commissioned at the SCDF Work Plan Seminar 2017. The purpose-built FMV is a hybrid of a red rhino and an ambulance. Apart from firefighting equipment, it also carries a slew of medical equipment onboard.

Operationalised in May 2017, the FMVs have been deployed for minor industrial incidents and road traffic accidents.





## ***LOYANG MARINE FIRE POST***

Loyang Marine Fire Post, SCDF's first Marine Fire Post, was officially opened by Dr Mohamad Maliki Bin Osman, Senior Minister of State, Ministry of Defence & Ministry of Foreign Affairs, on 14 July 2017. Co-located within the Loyang Police Coast Guard Regional Base at 91 Loyang Way, the fire post will provide seaward coverage to the eastern and northern waters of Singapore.

## ***NEW JURONG FIRE STATION***

The new Jurong Fire Station was officially opened by Mrs Josephine Teo, Minister, Prime Minister's Office and Second Minister for Manpower and Home Affairs, on 17 November 2017. Located at 22 Jurong West Street 26, this fire station will continue to deliver prompt and effective emergency services in the Jurong area.







## ***AMBULANCE-BASED INTERVENTIONS FOR CARDIAC ARREST VICTIMS***

Singapore has made significant progress over the past 15 years in increasing the survival rate of cardiac arrest victims. Between 2001 and 2015, victims who survived cardiac arrest<sup>1</sup> rose from 2.5 per cent to 21.3 per cent. Under a joint Pre-Hospital Emergency Care framework established between the Ministry of Home Affairs and Ministry of Health, SCDF and Singapore General Hospital will be implementing a number of enhanced measures for the Emergency Medical Service to further improve the emergency treatment of patients who suffer out-of-hospital cardiac arrest.

These evidence-based methods have been proven to improve the survival of cardiac arrest patients and will be implemented over the next four years.

<sup>1</sup> Based on Utstein survival rate for out-of-hospital cardiac arrest cases that were (1) non-traumatic in origin, (2) bystander witnessed and (3) involved initial shockable heart rhythm.

## PHASE 1 OF EXERCISE NORTHSTAR 10

Phase 1 of Exercise Northstar 10, a multi-agency counter-terrorism exercise, was held at the Changi Airport Terminal 3 on 17 October 2017. Led by the Singapore Police Force (SPF), the exercise involved over 650 personnel from numerous public agencies including the SCDF, Immigration and Checkpoints Authority and Changi Airport Group.

At the scenario-based exercise, SCDF emergency responders conducted snatch-rescue operations of the 'casualties' after the 'gunmen' were neutralised.

This is the first time that Exercise Northstar was held at the Changi Airport.





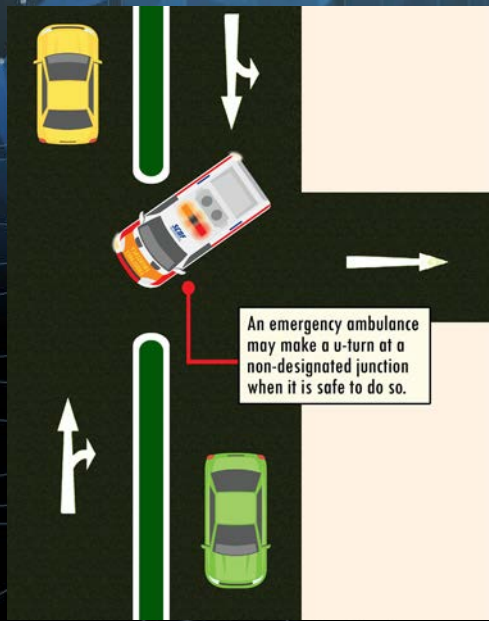
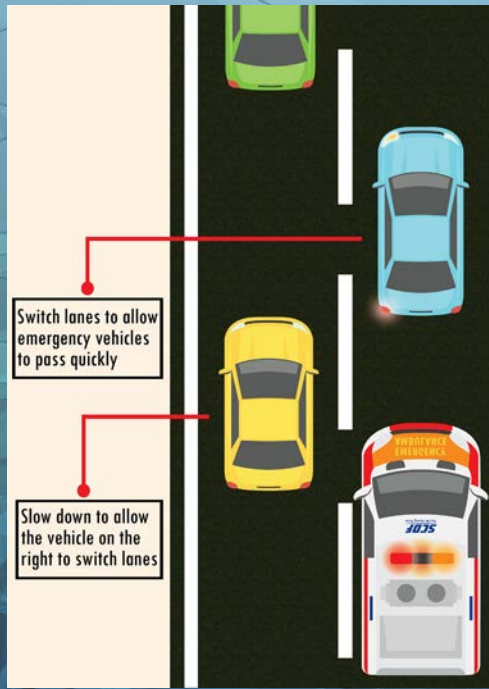
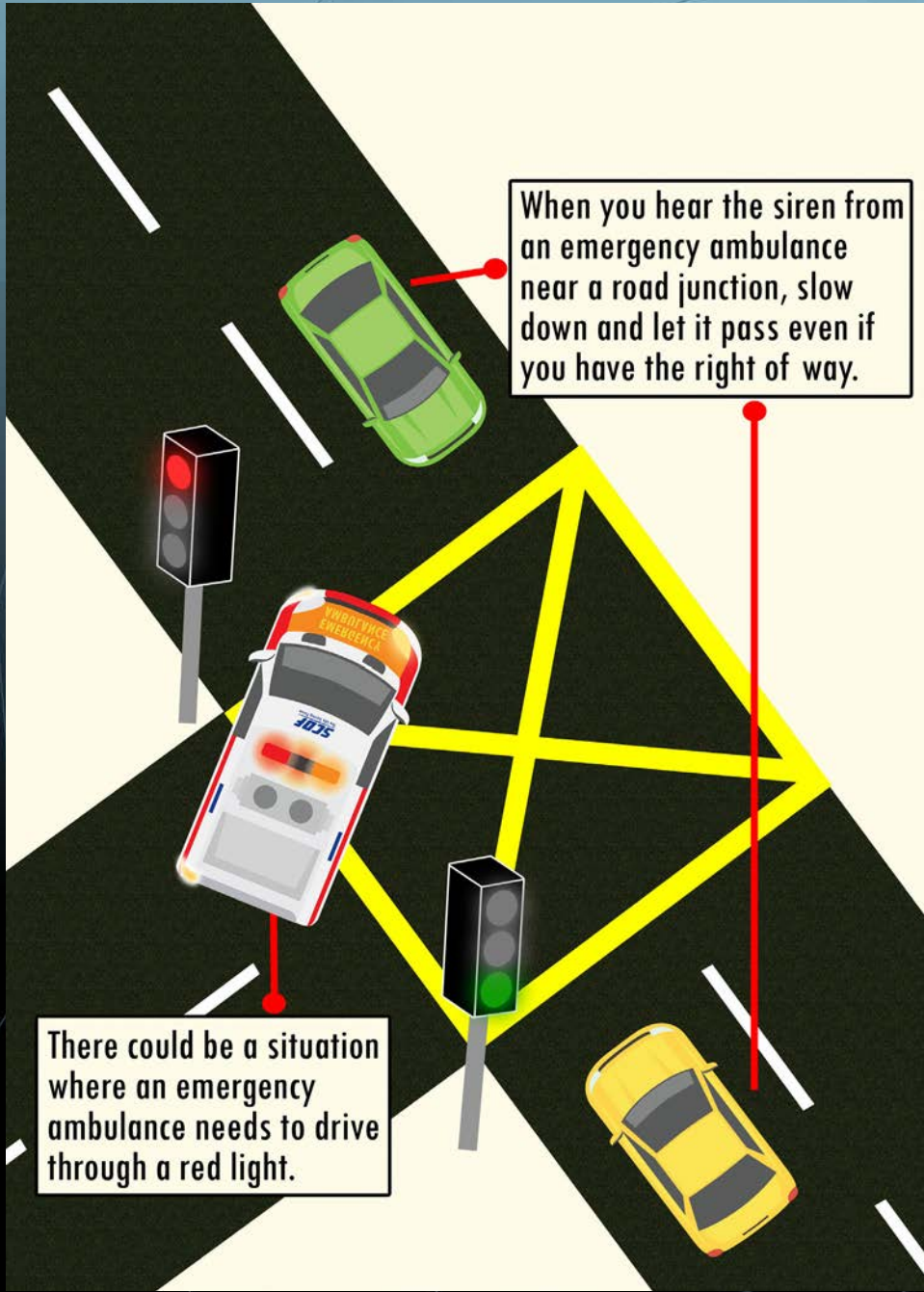
## **PHASE 2 OF EXERCISE NORTHSTAR 10**

Phase 2 of Exercise Northstar 10 was held at the Home Team Tactical Centre on 28 Oct 2017. Led by the SCDF, the exercise involved over 500 personnel from the SCDF and other public agencies including SPF, Singapore Armed Forces, People's Association and Health Sciences Authority.

The representatives from each agency responded to a series of terrorist attacks which resulted in collapsed structures and mass casualties. The exercise incorporated the important element of community first response during emergency situations. Volunteers from People's Association, Civil Defence Lionhearters and SCDF's National Civil Defence Cadet Corps assisted with the treatment of casualties alongside the SCDF Operationally Ready National Servicemen (ORNSmen) from the Medical Platoon.

The exercise saw the participation of the SCDF Rescue Battalion ORNSmen. About 200 ORNSmen from the 51 Rescue Battalion worked alongside the SCDF's elite Disaster Assistance and Rescue Team (DART) in conducting ground and height rescue operations.





# ROAD TRAFFIC ACT EXEMPTION

Since December 2017, SCDF emergency ambulances have been exempted from Section 120(3) of the Road Traffic Act. SCDF ambulances are now allowed to proceed past red lights and make U-turns at non-designated junctions when responding to life-threatening emergencies.

In life-threatening emergencies, such as cardiac arrest and stroke, ambulance drivers will exercise discretion to beat the red lights and make unauthorised U-turns. However, when approaching a traffic junction, the ambulance driver is required to slow down, come to a complete stop and assess the traffic conditions before proceeding. In doing so, the driver will also sound the sirens and activate the blinker lights to alert other road users.



***FIRE @ 6  
TUAS SOUTH  
STREET 8***

On 7 June 2017 at approximately 2000hrs, a fire broke out at 6 Tuas South Street 8. The fire, which involved general waste, engulfed an area of about a basketball court. Four compressed air foam jets and two unmanned firefighting machines were deployed to extinguish the fire.

## **FIRE @ 28 TUAS AVENUE 10**

On 24 June 2017 at approximately 1610hrs, a fire broke out at 28 Tuas Avenue 10. The fire, which involved scrap metals and plastic materials, engulfed about 20 by 20 meters of the factory. 80 firefighters and 21 emergency vehicles, including one unmanned firefighting machine and one aerial firefighting platform, were deployed to extinguish the fire.





## ***FIRE @ PULAU BUSING***

On 20 March 2018 at approximately 1750hrs, a fire broke out at Pulau Busing. After approximately 6 hours of intense firefighting operations, the raging oil storage tank fire was extinguished by the combined efforts of SCDF emergency responders and Company Emergency Response Team members. 128 firefighters and 31 emergency vehicles were deployed to the incident. The SCDF-led operations were supported by the Police Coast Guard, Maritime and Port Authority of Singapore, Republic of Singapore Navy and the National Environment Agency.



## ***RESCUE @ 42 IMBIAH ROAD***

On 12 August 2017 at approximately 1910hrs, SCDF was activated for the rescue operations at 42 Imbiah Road. 38 passengers and one operator were trapped in a passenger's cabin that was suspended 25 metres above the ground. Rescuers from the SCDF elite DART ascended to the immobilised cabin to evacuate the trapped individuals. Two hours later, all passengers disembarked safely.



# SCDF IN THE NEWS



## Marine firefighters stand ready for any emergency at sea

Hopefuls are put through rigorous land and marine training in order to clinch a spot on the elite squad

**Chief Tan**

In the event of a ship fire, marine firefighters must act with precision, weighing up the best course of action. This involves a complex set of decisions to breach the vessel and park on the ship's deck to ensure they have the best chance of success.

Marine firefighters undergo rigorous training, including land-based fire drills and sea-based exercises. They are equipped with specialized gear, including thermal imaging cameras and gas analyzers, to detect and combat fires in the confined spaces of a ship.

The SCDF Marine Command is responsible for the marine fire and rescue services and maintenance of chemical agents. The unit, which is based at the West Coast Fire Station, has three divisions: marine fire, marine rescue, and marine fire support.

Officers are trained to respond to a wide range of emergencies, from fires on board ships to accidents involving marine vessels. They are also trained in first aid and life-saving techniques, ensuring they are prepared for any situation that may arise at sea.



SCDF Marine Command personnel are seen putting out a fire on board the ship. The fire is burning on the deck and is being contained by the firefighters.

SCDF Marine Command personnel are seen putting out a fire on board the ship. The fire is burning on the deck and is being contained by the firefighters.

Marine firefighters must be able to respond quickly and effectively to any emergency at sea. They are trained to work in a team, ensuring that they can tackle any situation that may arise. The SCDF Marine Command is committed to providing the highest standard of service to the marine community.



## Gas leak: 11 workers taken to hospital

Colleagues in building evacuated; production floor at water fab plant blocked off by probe

Eleven workers were taken to hospital after being exposed to a chemical gas at a water fabrication plant in Singapore last night. The exposed workers had been given the gas lighter to discharge.

The SCDF, which was alerted to the incident, sent a team of investigators to the scene. The production floor where the leak occurred has been blocked off for investigations, but other parts of the factory remain open.

At about 10.30pm, the SCDF said it had received a report of a gas leak at the water fabrication plant. A staff member, who declined to be identified, said he and other colleagues evacuated the building after hearing an announcement around 12.30pm about a gas leak. The leak was about 100m from the building safety system before officers from the Singapore Civil Defence Force (SCDF), which was alerted to the incident, arrived.

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Source: The Straits Times, 19 July 2017, Pg A3 © Singapore Press Holdings Limited. Permission required for reproduction.



## Oil leak from SLE crash leads to multiple-vehicle accidents

Oil leak from SLE crash leads to multiple-vehicle accidents

Just when it spotted the oil on the road, around 10 cars and motorcycles suddenly siddled. Two of the cars hit a motorcycle in front of them, and in the next moment, another car hit me from behind.

The Singapore Civil Defence Force (SCDF) responded to a multi-vehicle accident on the Pan Island Expressway (PIE) on Sunday. The accident occurred on the left-hand side of the road, where a truck carrying a large quantity of oil overturned. The oil leaked onto the road, causing several cars and motorcycles to lose control. Two cars hit a motorcycle in front of them, and in the next moment, another car hit me from behind.

The SCDF, which was alerted to the accident, sent a team of investigators to the scene. The truck, which was carrying a large quantity of oil, overturned on the left-hand side of the road. The oil leaked onto the road, causing several cars and motorcycles to lose control. Two cars hit a motorcycle in front of them, and in the next moment, another car hit me from behind.

Source: The Straits Times, 09 July 2017, Pg A3 © Singapore Press Holdings Limited. Permission required for reproduction.

## Firefighters roped in for cardiac first aid

More than 300 have been certified to help emergency treatment for cardiac arrests

Shelina Ajit Assomul

From next year, fire trucks may be racing ahead of ambulances to help victims of cardiac arrest.

Given that they are usually the first to arrive at the scene of an emergency, firefighters will be roped in to help save lives, and more than 300 have been certified as emergency medical technicians.

This means that a top of basic first aid, they have learnt high-performance cardiovascular resuscitation (CPR). This is a method that uses a larger team working simultaneously to perform CPR faster and more effectively.

It is among several new measures to improve the emergency treatment of cardiac arrest victims, nearly four in five of whom now die.

The Singapore Civil Defence Force (SCDF) and Singapore General Hospital (SGH) will be implementing the new measures over a four-year period.

Currently, an ambulance takes an average of 11 minutes to reach the scene. A fire bike usually gets to the destination in half the time.

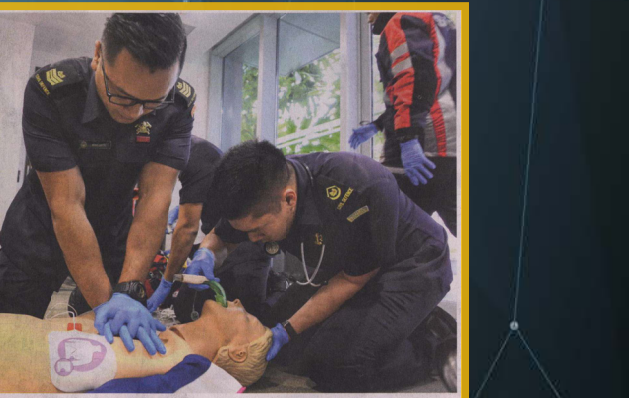
Under the new protocol, the fire bike will be joined by a fire truck, estimated to reach the scene within eight minutes, with four trained firefighters on board.

Together with paramedics, the responders will form a 'Formula One team' that "works together to ensure everything is done in less time", said Professor Marcus Ong, a senior consultant at the department of emergency medicine at SGH.

Speed is paramount in the event of a cardiac arrest at the highest chance of survival occurs in the first 10 minutes. Last year, there were more than 2,500 such ambulance emergencies, and just 21.3 per cent of the victims survived.

Prof Ong believes the new interventions will push this figure up to around 30 per cent.

Besides the deployment of firefighters, another change is to rely less on computers to assess whether a victim needs defibrillation, in which a machine is used to assess the need for a dose of electric current to the heart. Instead, more and more teams will be trained to perform CPR faster and more effectively.



2500

There were more than this number of cases of cardiac arrest that were ambulance emergencies here last year, only 21.3 per cent of the victims survived.

paramedics will now do a manual assessment, which is quicker.

Prof Ong said that computers take 10 to 20 seconds to make a decision on whether a paramedic could do in two. "It will mean more training for our paramedics, but in these situations, every second counts," he added.

A new device will also be attached to regular ventilating systems to enhance the heart's ability to pump blood around the body.

Lastly, a new type of injection to correct life-threatening heart rhythms will be introduced. About 250 paramedics will be trained in these three new interventions.

Mr Zane Ang, 28, an advanced care paramedic with the SCDF, said the new measure should help to improve survival rates.

"Although there is new pressure on the paramedics, it is doable, but there are precautions we will take," said Mr Ang.

SCDF chief medical officer Ng Yih Yng said: "If untrained in cardiac arrest emergency, there is a 98 per cent chance you will die. These interventions require more skills to train but it's a tackle a difficult problem."

shelina@sph.com.sg

PHOTO: LIANHE ZHANG

Source: The Straits Times, 21 November 2017, Pg B1 © Singapore Press Holdings Limited. Permission required for reproduction.

# SCDF IN-THE-NEWS

Source: The Straits Times, 03 June 2017, Pg B8 © Singapore Press Holdings Limited. Permission required for reproduction.

## Car catches fire in Clementi; no one hurt

A car caught fire along Clementi Road yesterday afternoon, but no one was injured.

The Singapore Civil Defence Force (SCDF) said it was alerted to the fire at 1.07pm.

The blackened remains of a grey Mitsubishi car were seen near the junction of Clementi Road and Clementi Avenue 2.

It is understood that the car collided with a tipper truck before bursting into flames.

Freelance photographer Debby Chua, 45, was driving along Clementi Road when she saw thick smoke at the accident scene.

"I thought there could have been a fire at a nearby school or residential area as the thick black smoke kept rising into the air," she said. "I'm relieved that no one was injured."

The fire involved the engine compartment of the car, and was extinguished by SCDF personnel using two water jets.

The SCDF dispatched a fire bike and two fire engines to the scene. There has been a spate of fires recently.

On May 16 alone, the SCDF dealt with at least three fires - at a construction site in Punggol Field, Changi Airport's Terminal 2 and a condominium in Woodlands. There have also been at least four other fires since May 20, three of which involved cars.



A grey Mitsubishi car in flames near the junction of Clementi Road and Clementi Avenue 2 yesterday afternoon. It is understood that it collided with a tipper truck before bursting into flames. PHOTOS: ST READER, PRISCILLA GOY

Source: The Straits Times, 01 February 2018, Pg B6 © Singapore Press Holdings Limited. Permission required for reproduction.

## Driver, 18, trapped in lorry after collision with car

Lydia Lam

A teenager was trapped in a Redmart lorry after it collided with a car in Ang Mo Kio on Tuesday night.

The accident occurred at the junction of Ang Mo Kio Avenue 4 and Ang Mo Kio Street 11 at about 10pm, the police told The Straits Times yesterday.

The lorry fell on its side and the 18-year-old driver was trapped in it. The accident drew a crowd which tried to help the driver, Lianhe Wanbao said in a report yesterday.

Warehouse assistant Zhong Xide, 40, told Wanbao that he was in a coffee shop nearby when he heard a loud "bang". When he turned to look, he saw the two vehicles had collided.

"I saw that the driver was stuck and could not get out, and together

with a passer-by, we rushed over to ask if he was hurt," said Mr Zhong. "But the young man did not answer and looked like he was drifting in and out of consciousness."

He said the driver, who looked like he sprained his neck, responded after a few minutes.

A photograph published in Lianhe Wanbao showed a crowd of more than 50 people at the scene watching as officers from the Singapore Civil Defence Force (SCDF) rescued the man.

The SCDF told ST that its officers extricated the teen using hydraulic tools and took him to Tan Tock Seng Hospital.

The driver of the car, a 77-year-old man, was taken to the same hospital.

The police are investigating the case.

"I saw that the driver was stuck and could not get out, and together



The crash between the Redmart lorry and car occurred at the junction of Ang Mo Kio Avenue 4 and Ang Mo Kio Street 11 at about 10pm. SCDF officers extricated the driver trapped in the lorry using hydraulic tools and took him to Tan Tock Seng Hospital. The driver of the car was also taken to hospital. PHOTO: LIANHE WANBAO

Source: The Straits Times, 24 February 2018, Pg B19 © Singapore Press Holdings Limited. Permission required for reproduction.

## Driver trapped after truck hits lamp post on ECP



Officers from the Singapore Civil Defence Force's Disaster Assistance and Rescue Team using hydraulic tools to free a man trapped in the driver's seat of a tipper truck yesterday morning. The 43-year-old is believed to have suffered abrasions on his leg and abdominal pains, and was taken to the Changi General Hospital. The Straits Times understands that the truck first hit a lamp post before striking a tree on the Changi-bound side of the East Coast Parkway, near the Tanjong Katong Road exit, at around 6am. The accident caused traffic congestion on the expressway during the morning peak hour which cleared only at about 10am. PHOTO: SINGAPORE CIVIL DEFENCE FORCE



***PUBLIC  
PROTECTION***



## ***FIRE SAFETY ASIA CONFERENCE 2017***

The Fire Safety Asia Conference (FiSAC) 2017, co-organised by SCDF and National Fire and Civil Emergency Preparedness Council (NFECC), was held at the PARKROYAL on Beach Road from 15 to 17 November 2017. The event was graced by Mrs Josephine Teo, Minister, Prime Minister's Office and Second Minister for Manpower and Home Affairs.

Themed "New Frontiers in Fire Safety & Emergency Response", fire safety experts shared with the guests their experiences and solutions in preventing or containing outbreaks of fire in commercial, industrial and residential areas.

About 250 participants comprising local and foreign government agencies, engineers, building practitioners, researchers, academia and fire safety managers attended the conference.

## HOME FIRE ALARM DEVICE

The installation of Home Fire Alarm Devices (HFADs) will be mandatory for new residential premises, as well as existing residential premises carrying out fire safety works on or after 1 June 2018.

As HFADs provide occupants with early warning of a fire so as to allow them to take necessary action to extinguish the fire or evacuate safely before the fire escalates, all residents are encouraged to install them in their premises.

The HFAD is to be placed on the ceiling along escape routes, such as the living room, corridor or staircase area within the home, to enable early detection of smoke from a fire. Existing homes are not required to install HFAD unless the home owners carry out renovation works with fire safety implications such as the installation or re-location of fire doors and installation of roof over open balconies.





## ***ENFORCEMENT CHECKS***

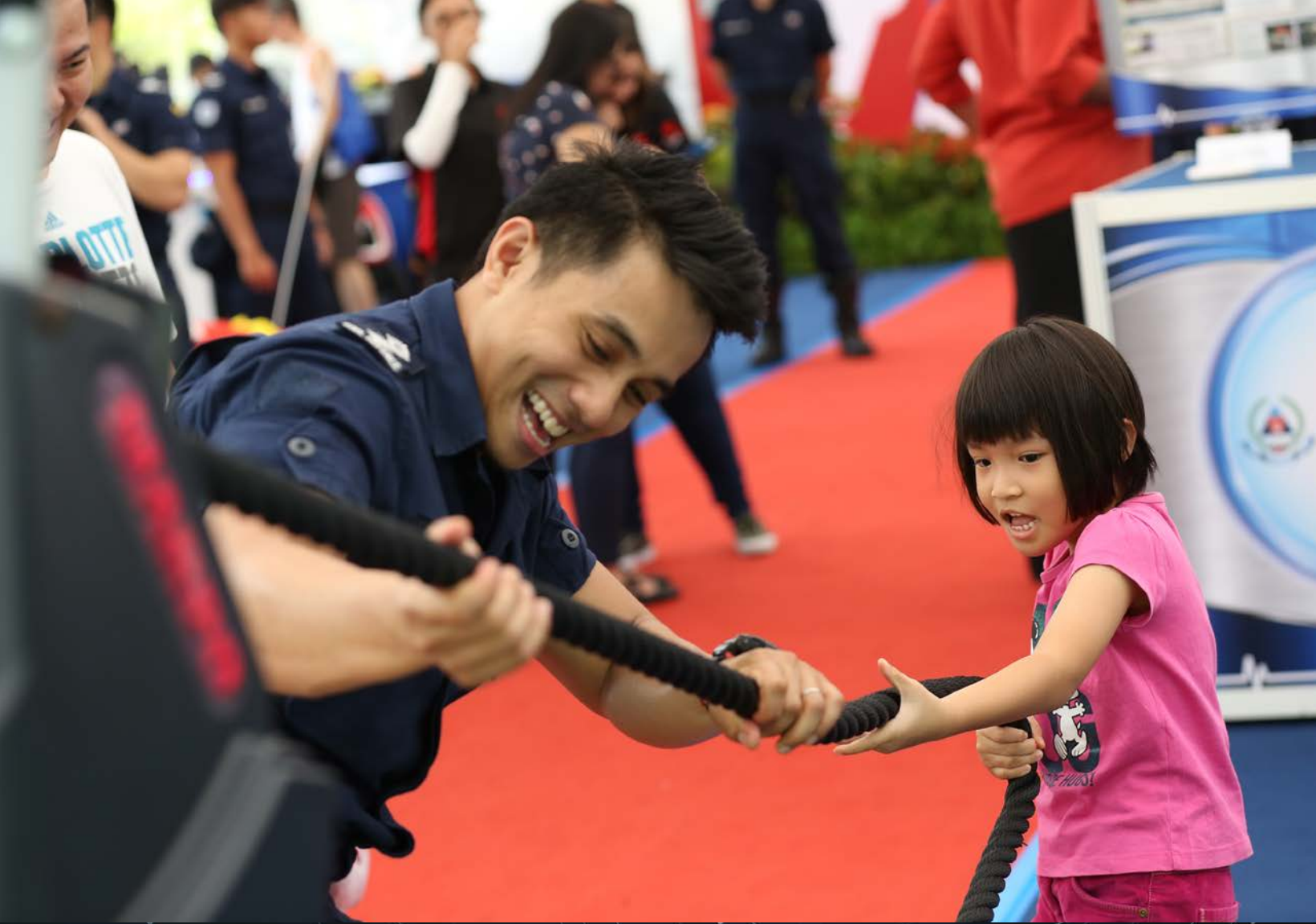
On 8 December 2017, in preparation for the year-end festive season, SCDF conducted fire safety enforcement checks at several public entertainment outlets and shopping malls across the island.

Held over and above the routine annual enforcement checks, these checks act as a reminder for owners and occupiers of public buildings to maintain good housekeeping and comply with the fire safety regulations as visitors' load is usually higher during the festive period.



*COMMUNITY*  
**PREPAREDNESS**





## ***HEARTLAND LIFESAVERS CONNECT***

The Heartland Lifesavers Connect was held at the Plaza@Waterway Point on 25 and 26 November 2017. Through various fun-filled activities, including CPR-AED demonstrations and a rescue dog show, members of the public had the opportunity to acquire life saving skills at the exhibition and appreciate the roles, functions and innovations of the SCDF.

The exhibition also saw the participation of volunteers from the Civil Defence Lionhearer Clubs and Civil Defence Auxiliary Unit.







## ***RACE FOR RESPONDERS***

The Race for Responders (R4R) was held at The Promenade@Punggol Waterway Park on 25 November. The R4R aims to further promote camaraderie among international and SCDF emergency responders through a competitive running race as well as build public awareness on Muscular Dystrophy.

During the race, emergency responders wore their firefighting apparel during the race. This highlights the importance that they must place on their personal fitness so as to enable them to effectively carry out their life saving mission.



## ***COMMUNITY FIRST RESPONDER CHALLENGE 2017***

Organised by the SCDF and Nanyang Polytechnic (NYP) Civil Defence Lionhearter Club, the Community First Responder Challenge 2017 was held at NYP on 19 October 2017.

The challenge comprised a variety of pit stops that put to test the life saving skills of the participants. Participating teams which comprised members from the Civil Defence Lionhearter Clubs from 12 educational institutions, NYP student leaders, and NCDCC Cadet Lieutenants, were assessed on their skills in performing CPR, Improvised First Aid Skills (IFAS) and basic firefighting.

At the event, the Civil Defence Lionhearter Study Bursary Awards were presented to 48 deserving students. Outstanding Civil Defence Lionhearter Certificates were also awarded to 22 Civil Defence Lionhearers to recognise their leadership skills and exemplary performance in community emergency preparedness ambassadorship.



## ***NATIONAL CIVIL DEFENCE CADET CORPS 12TH ANNIVERSARY CELEBRATION***

The National Civil Defence Cadet Corps (NCDCC) celebrated its 12th anniversary on 8 April 2017 at the Home Team Academy. At the event, graced by Ms Low Yen Ling, Senior Parliamentary Secretary, Ministry of Education, the NCDCC launched a new Specialisation Model and unveiled a new formation patch and mascot.

The Specialisation Model provides authentic learning experiences for cadets in the key functional areas of the SCDF and allows for secondary three cadets to specialise in either Fire Safety, Medical Response or Urban Search and Rescue (USAR). The USAR programme is endorsed by the United Nations' International Search and Rescue Advisory Group.

Cadet Leo, NCDCC's new mascot, was ideated and characterised to symbolise the identity of NCDCC while the NCDCC formation patch reinforces the identity of NCDCC cadets and officers.





## ***NUS-CIVIL DEFENCE LIONHEARTER CLUB***

The National University of Singapore (NUS) Civil Defence Lionhearter Club was officially launched by A/P Ho Peng Kee, Chairman of the Home Team Volunteer Network, on 14 September 2017. NUS is the 12th club and second university to join the Civil Defence Lionhearter fraternity.

## ***SUTD-CIVIL DEFENCE LIONHEARTER CLUB***

The Singapore University of Technology and Design (SUTD) Civil Defence Lionhearter Club was officially launched by A/P Ho Peng Kee, Chairman of the Home Team Volunteer Network, on 7 February 2018. SUTD is the 13th club from all ITE colleges, polytechnics, NTU and NUS, to join the Civil Defence Lionhearter fraternity.

The Civil Defence Lionhearter Club provides an avenue for tertiary students to be engaged in civil defence, emergency preparedness and humanitarian missions locally and internationally. In recent years, Lionhearthers have also taken on the role as advocates of the SGSecure national movement.



# ORGANISATIONAL EXCELLENCE



## *SCDF DAY DINING-IN CEREMONY*

The SCDF Day Dining-In ceremony was held on 10 April 2017 at the Civil Defence Academy and graced by Mr Christopher De Souza, Chairman of the Government Parliamentary Committee for Home Affairs and Law. The Dining-In is organised for SCDF career officers and National Servicemen (NSmen) to reinforce their dedication to the SCDF core values of Pride and Care. The ceremony also recognises SCDF officers, Full-Time NSmen, Operationally Ready NSmen and civilian staff who exemplify these values in and beyond the course of their duties.

14 SCDF officers were presented with the Pride & Care Star Award, while 12 officers were recognised with the Commissioner's Commendation Award for their outstanding contributions and achievements in the past work year. The Unit Pride & Care Star Award was presented to 4th SCDF Division.





## ***SCDF NATIONAL SERVICE GALLERY: 'THE HOME OF THE RESCUERS'***

The SCDF National Service (NS) Gallery - 'The Home of the Rescuers' - located at the National Service Training Institute, was officially opened by Mr Desmond Lee, then Second Minister for Home Affairs and National Development, on 28 April 2017. The gallery traces the nostalgic journey, contributions and transformation of NS in SCDF from the mid-1970s to present day.

The event was attended by distinguished guests including SCDF pioneers and former ORNS commanders who have played critical roles in transforming NS in SCDF.



## **HOME TEAM NS50 RECEPTION**

The Home Team NS50 Reception was held at the Istana on 3rd November 2017. At the reception, Prime Minister Lee Hsien Loong, the Guest-of-Honour, launched the Home Team NS50 commemorative book titled “Everyday Guardians: 50 Years of National Service in Singapore’s Home Team”. Written by Koh Buck Song, the book traces the history and evolution of NS in the Home Team. Centred around three broad themes of “Duty”, “Devotion” and “Daring”, the book pays tribute to the sacrifices and dedication of generations of Home Team NSMen in keeping Singapore safe and secure. It also seeks to inspire the next generation of Home Team NSMen to continue the legacy.

Prime Minister Lee also presented the prestigious Full-Time NSMen (NSFs) of the Year Award to 10 outstanding Home Team NSFs who have performed well and demonstrated professionalism, leadership and exemplary conduct while serving NS. It is the most prestigious award that an NSF can aspire to receive during his full-time NS with the Home Team.





## ***MEMORANDUM OF UNDERSTANDING WITH NATIONAL DISASTER MANAGEMENT AUTHORITY, INDONESIA***

SCDF and the National Disaster Management Authority (BNPB), Indonesia signed a Memorandum of Understanding (MOU) on Disaster Risk Management at the Singapore-Indonesia Leaders' Retreat held at the Istana on 7 September 2017. The MOU paves the way for the establishment of an effective framework for cooperation in the field of Disaster Risk Management between the two agencies and in the areas of disaster risk management training, techniques, and information sharing.

The signing was witnessed by Prime Minister Lee Hsien Loong and President Joko Widodo.

## **3RD ASEAN STRATEGIC POLICY DIALOGUE ON DISASTER MANAGEMENT**

The 3rd Strategic Policy Dialogue on Disaster Management (SPDDM), an annual signature event of ASEAN held annually in Singapore to sharpen ASEAN's strategic engagements and thought leadership in disaster management, was held in conjunction with World Humanitarian Day on 19 August 2017 at the Mandarin Oriental Hotel.

Jointly organised by the ASEAN Secretariat, SCDF and ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre), the dialogue was themed "Collaboration between ASEAN and the United Nations in Disaster Management: Lessons as the Basis for Future Policy and Operational Engagement".

Graced by Mr K Shanmugam, Minister for Home Affairs and Minister for Law, the event saw the participation of about 150 participants including officials and ambassadors from ASEAN, United Nations, private sector as well as non-governmental organisations.

Collaboration between ASEAN and the United Nations in Disaster Management: Lessons as the Basis for Future Policy and Operational Engagement

Singapore, 18 August 2017

Guest-of-Honour  
MR K SHANMUGAM

Minister for Home Affairs and Minister for Law, Singapore





## ***3RD SENIOR EXECUTIVE PROGRAMME IN DISASTER MANAGEMENT***

The 3rd Senior Executive Programme in Disaster Management (SEPDM) was held at the newly opened Civil Defence Academy's Leadership in Emergency And Disaster Management (LEAD) Centre from 21 to 24 November 2017. The programme targeted the senior leadership cadre within each ASEAN member state to nurture their planning and crisis management capacities in their respective countries. Apart from facilitating knowledge sharing and peer learning, it also contributed towards building a common consensus on disaster management among the ASEAN member states for transnational interoperability.

H.E. Vongthep Arthakaivalvatee, Deputy Secretary-General of ASEAN for ASEAN Socio-Cultural Community, ASEAN Secretariat, delivered the keynote address while 15 other guest speakers from various emergency services, academia and non-governmental organisations presented their insights on disaster management.

## **PRO-ENTERPRISE AGENCY AWARD**

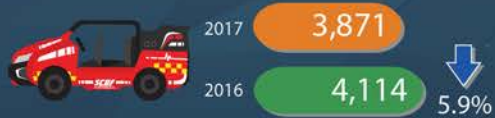
The Pro-Enterprise Panel - Singapore Business Federation (PEP-SBF) Awards 2017 was held on 10 November 2017 at the Intercontinental Singapore. The event serves to recognise the collaboration between private and public sectors in contributing towards a pro-enterprise regulatory environment and provides a networking opportunity for leaders in both sectors. The event was graced by Ms Low Yen Ling, Senior Parliamentary Secretary for Trade & Industry and Education.

SCDF received three awards at the event namely the PEP-SBF Pro-Enterprise Agency Award, PEP Best Suggestion Award (Supporting Agency) and Public Sector Pro-Enterprise Initiatives Bronze Award.

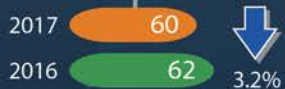


# A *SNAPSHOT* OF SCDF'S STATISTICS

## Total Fire Calls



### Fire Injuries

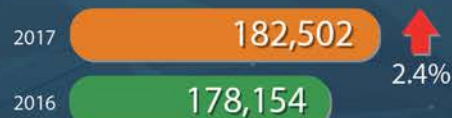


## Breakdown of Fire Calls

747 (19.3%) Non-building Places  
467 (12.1%) Non-residential Premises



## Total EMS Calls

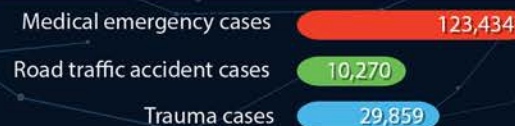


88.9%

Calls responded within 11 minutes  
5 more ambulances were added to an existing fleet of 60

## Breakdown of EMS Calls

11,384 (6.2%) Non-Emergency  
7,555 (4.2%) False Alarm



## Total Enforcement Checks

14,802

FHANS Issued 2,543

NFSOs Issued 2,845

Court Action 110

## Top 3 Types of FHANS Issued

Exit signs not being illuminated 658

Obstruction to exit/fire engine accessway 431

Obstruction to fire safety measures 402

## Top 3 Types of NFSOs Issued

Unauthorised change of use 1,482

Unauthorised fire safety works 814

Storage / Transportation of petroleum / flammable materials without licence 156



**SCDF**

The Life Saving Force

An in-house production

