



NS  
50



**SCDF**  
The Life Saving Force

## EDITORIAL ADVISOR:

COL A. RAZAK RAHEEM

## EDITOR:

MS MICHELLE LIM

## PHOTOGRAPHY:

### SUPERVISORS

MAJ HO TIAN KEONG  
MR MD MASRI A. RAHMAN

### NSF

CPL MOHAMMAD RIZAL BIN KAMIL  
CPL SAMUEL MOK TZE-EN  
CPL CHUNG KAH HOU, AMOS  
CPL JOSHUA VONG CHING TIAN  
CPL AMMAR UL HAQ  
LCP JOSEPH TAN JUN LIN  
LCP VALENTINO ADRIAN EVAN SIMWANDHI  
LCP CHIN KAR HOU, TEDRICK  
LCP SHAFIQ SHAH BIN WIRA  
LCP SOH HUA JIE  
LCP KANEKO KEN VICERA  
PTE TOSHIHIKO MIYAMOTO  
PTE MUHAMMAD MUSTAZAM BIN MOHAMED SHARIFF  
PTE MUHAMMAD BIN ABDUL RASHID

## CREATIVE DESIGN:

SGT MUHAMMAD BIN NORDIN

## COVER PAGE FEATURE:

CLP TAN SHUEN KOON (NSF)  
– WEST COAST MARINE FIRE STATION  
LCP MUHAMMAD HAFIZ BIN AHMAD HUSSEIN (NS)  
– PAYA LEBAR FIRE STATION





Commissioner's Foreword	7
Senior Management	9
Division Commanders	13
SCDF Establishments	15
Organisation Structure	17
<b>Operational Excellence</b>	
Sentosa Fire Station	21
ASEAN Emergency Response and Assessment Team	23
Singapore-Global Firefighters and Paramedics Challenge 2016	25
Lifesavers' Connect 2016	27
SCDF Parade	29
New Approach to Handling Cardiac Arrest Calls at SCDF 995 Operations Call Centre	31
Exercise BOCA NDP 2016	33
Exercise BOCA F1 2016	35
Fire and Rescue Operations Support Tender	37
Enhanced Operationally Ready National Servicemen Rescue Battalions	39
Fire @ 23 Tembusu Road	41
Fire @ Tampines Street 92	43
Fire @ 23 Tuas View Circuit	45
SCDF in the News	47
<b>Public Protection</b>	
Enforcement Checks	51
<b>Community Preparedness</b>	
Public Shelter and Resilience Unit	55
Junior Civil Defence Lionhearters Appointment Ceremony	57
NTU CD Lionhearter Club	59
New Three-Tiered Community Emergency Preparedness Programme	61
Revamped Emergency Preparedness Day at Residential Heartlands and Workplaces	63
myResponder Mobile Application	65
Save-A-Life Initiative	67
<b>Organisational Excellence</b>	
Crisis Management Conference 2016	71
MOU with SingHealth Group	73
MOU with Department of Fire and Emergency Services of Western Australia	75
Asian Emergency Medical Services Award 2016	77
Innovation Excellence Award	79
<b>Statistics</b>	81



2016 was another busy year for the SCDF. Our frontline career officers, full-time National Servicemen (NSF) and Operationally Ready National Servicemen (ORNS) responded to about 180,000 emergency calls ranging from fire, rescue, medical and hazardous material incidents. This annual report edition will take you through our organisation's strategic thrusts, highlighting key aspects of our operational and organisational excellence as well as effective public protection.

#### **Operational Excellence**

We began the year with the introduction of two new frontline emergency vehicles. At the SCDF Workplan Seminar 2016, the Fire and Rescue Operations Support Tender (FROST) and Mass Decontamination Vehicle (MDV) were unveiled. These vehicles are not only critical resources in complex and protracted operations, they also represent SCDF's unwavering innovative spirit. FROST is a single dual-purpose platform that integrates the concept of two separate SCDF vehicles namely, the Breathing Apparatus Tender and Damage Control Tender. The bold and cutting-edge engineering solution coupled with its innovative design enables the SCDF to double its operational capability with the same manning strength. The MDV, on the other hand, is an evolution of the existing Personnel Decontamination Vehicle, which allows for a faster and more comprehensive decontamination process for casualties exposed to hazardous materials. This is possible through the fusion of design intuitiveness with advanced technology.

In the spirit of our Operation Lionheart commitment, two SCDF career officers were deployed to Indonesia following a 6.5 magnitude earthquake that struck Aceh province on 7 December 2016. LTC Ng Geok Meng and MAJ Stuart Koh Kim Hwee were part of a five-man ASEAN Emergency Response and Assessment Team operating under the auspices of the ASEAN Coordinating Centre for Humanitarian Assistance and Disaster Management. They conducted joint damage assessments with the local authorities and helped coordinate the delivery of relief items to the earthquake affected populace. Such continual involvement in overseas humanitarian affairs underscores

our commitment and responsibility as a reliable friend and partner to our ASEAN neighbours and the global community.

#### **Organisational Excellence**

The SCDF officers' sheer commitment and passion to saving lives and property have instilled a strong sense of public confidence in the force. The results of an independently commissioned Public Perception Survey 2016 was remarkable with 99% of the survey respondents in favour of the need for the SCDF and for the reason that emergencies can occur at any time. The same resounding 99% of respondents were also confident that the SCDF is capable of handling emergencies.

Such a high public standing would not have been possible without our people and our strong culture of innovation. Embracing innovation has allowed the SCDF to achieve excellent outcomes in our operational preparedness and response in serving the public. In 2016, SPRING Singapore accorded SCDF with the prestigious Innovation Excellence Award (IEA) – a niche business excellence standard for organisations that harness innovative ideas. The SCDF also made history by being the first public sector organisation to be conferred both the Singapore Quality Award with Special Commendation and the IEA in two consecutive years.

#### **Effective Public Protection**

In support of SGSecure, the SCDF ORNS Shelter Battalion was renamed Public Shelter and Resilient Unit (PSRU). The PSRU takes on the Shelter Battalion's role of ensuring that public shelters are converted and ready for occupation when required. During their In-Camp-Training (ICT), 1500 ORNSmen from the PSRU will take on the active role of SGSecure mobilisers by taking on two new functions in community engagement and community first response. When not on ICT, they play a crucial role as active responders within their communities. Take for example LTC (NS) Raizan bin Abdul Razak who has been working with the grassroots at Tampines West constituency to raise awareness on the threat of terrorism and to rally fellow SCDF ORNSmen to promote SGSecure within their neighbourhoods and social circles.

#### **NS50**

As we celebrate 50 years of National Service (NS50) this year, a series of events and initiatives will be rolled out to recognise the sacrifices and contributions of generations of SCDF NS personnel. To mark this milestone, we have just launched the SCDF NS Gallery on 28 April 2017, an exclusive exhibition dedicated to all our National Servicemen. It traces the nostalgic journey, contributions and transformation of NS in SCDF since the mid-1970s. Other highlights include two NS50 roving exhibitions that would take place at the open field near Punggol MRT Station and Jurong MRT Station in June this year.

Since the enlistment of the first batch of NSFs on 22 January 1976, NS in SCDF has grown from strength-to-strength. Today, the SCDF has deployed NSF firefighters, Section Commanders, paramedics, emergency medical technicians and ORNSmen to frontline operations. In addition, SCDF ORNSmen have also been deployed for overseas humanitarian missions codenamed Operation Lionheart. While we continue to enhance the involvement of our NS personnel in various frontline functions, the synergy between SCDF career officers and NS personnel remains strong. Their admirable teamwork as seen at a huge fire that occurred at a waste treatment plant in Tuas View Circuit on 23 February this year is a vivid testimony of the strong camaraderie and fighting spirit that persists even after four decades.

The SCDF recognises the invaluable contributions of our career officers and NS personnel. It gives me great pride to know that our mission of protecting and saving lives and property unifies these officers towards keeping Singapore safe and secure. I am sure that this spirit of unity and purpose of mission will also serve the SCDF well as we continue to work hand-in-hand with our partners and community towards our 2025 vision of building 'A Nation of Lifesavers'.

**Commissioner Eric Yap**  
3 May 2017

**SAC ANUAR ABDULLAH**  
(SENIOR DIRECTOR, EMERGENCY SERVICES)



*Senior  
Management  
of  
Emergency*

**CMR ERIC YAP**  
COMMISSIONER SCDF



**DC CHONG HOI HUNG**  
(DEPUTY COMMISSIONER SCDF)



"COMMISSIONER'S OFFICE"

# Senior Management



**SAC CHIN LAI FONG**  
DIRECTOR  
LOGISTICS DEPT.



**COL LIAN WEE TECK**  
DIRECTOR  
CENTRAL ENFORCEMENT DEPT.



**COL LEE YAM MING**  
DIRECTOR  
STRATEGIC PLANNING DEPT.



**MR IVAN CHUA**  
DIRECTOR  
FINANCE DEPT.



**AC LING YOUNG ERN**  
DIRECTOR  
OPERATIONS DEPT.



**COL ABDUL RAZAK**  
DIRECTOR  
PUBLIC AFFAIRS DEPT.



**COL NG CHEE KIANG**  
DIRECTOR  
SERVICE EXCELLENCE DEPT.



**SAC CHRISTOPHER TAN**  
DIRECTOR  
FIRE SAFETY AND SHELTER DEPT.



**LTC LING KOK YONG**  
DIRECTOR  
TECHNOLOGY DEPT.



**COL LEE BEE HONG**  
DIRECTOR  
NATIONAL SERVICE  
PERSONNEL DEPT.



**AC FRANCIS NG**  
DIRECTOR  
HAZMAT DEPT.



**MS CAROLYN YAP**  
DIRECTOR  
MANPOWER DEPT.



**COL (DR) NG YIH YNG**  
CMO, MEDICAL DEPT.



**AC YAZID ABDULLAH**  
DIRECTOR  
MEDICAL DEPT.

# Division Commanders



**COL DEREK TAN**  
COMMANDER  
SCDF MARINE COMMAND



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



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



**COL ALAN CHOW**  
COMMANDER  
1ST SCDF DIVISION



**COL ALAN TOH**  
COMMANDER  
2ND SCDF DIVISION

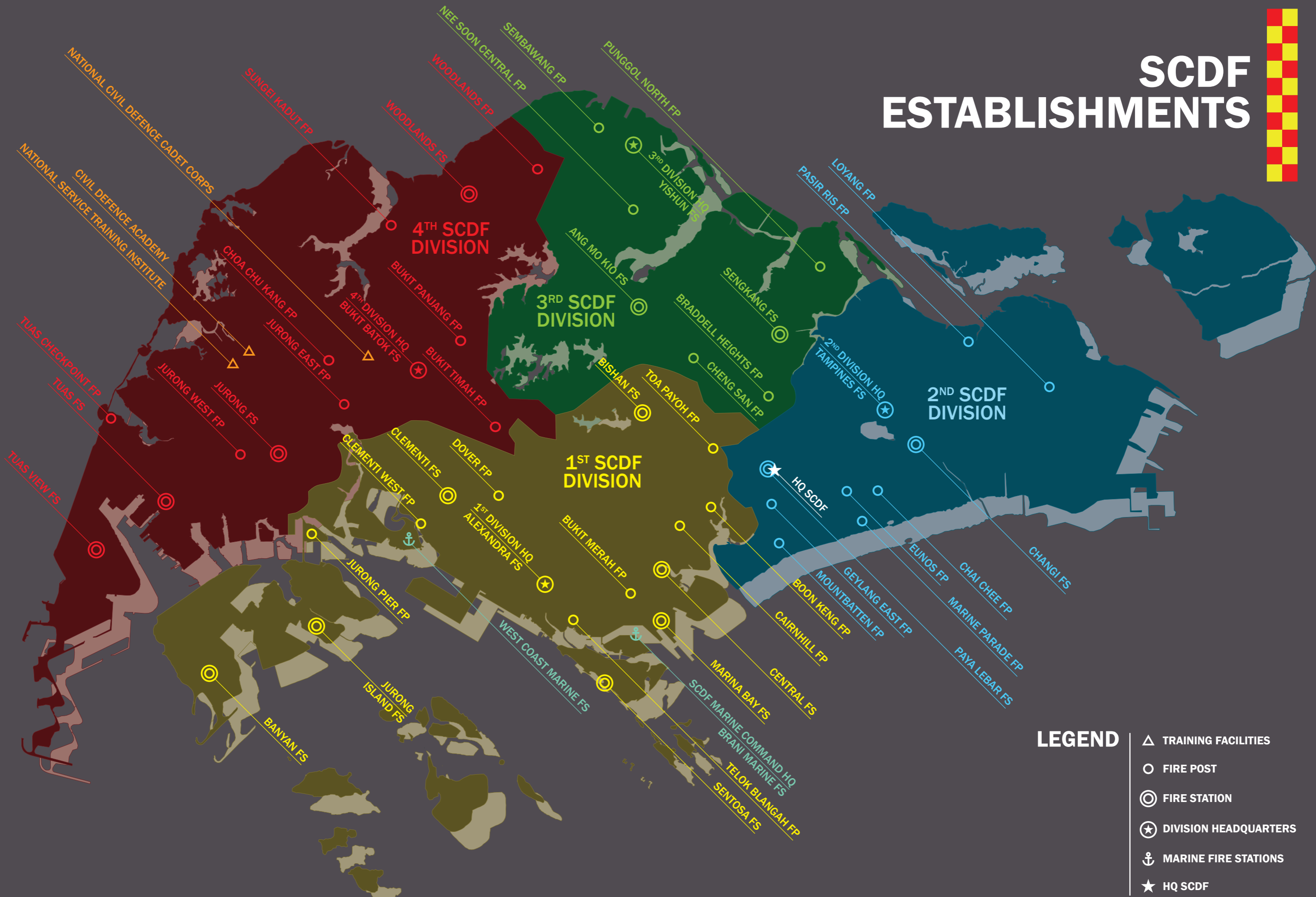


**LTC ERIC CHUA**  
COMMANDER  
3RD SCDF DIVISION



**LTC MICHAEL CHUA**  
COMMANDER  
4TH SCDF DIVISION

# SCDF ESTABLISHMENTS










## LEGEND

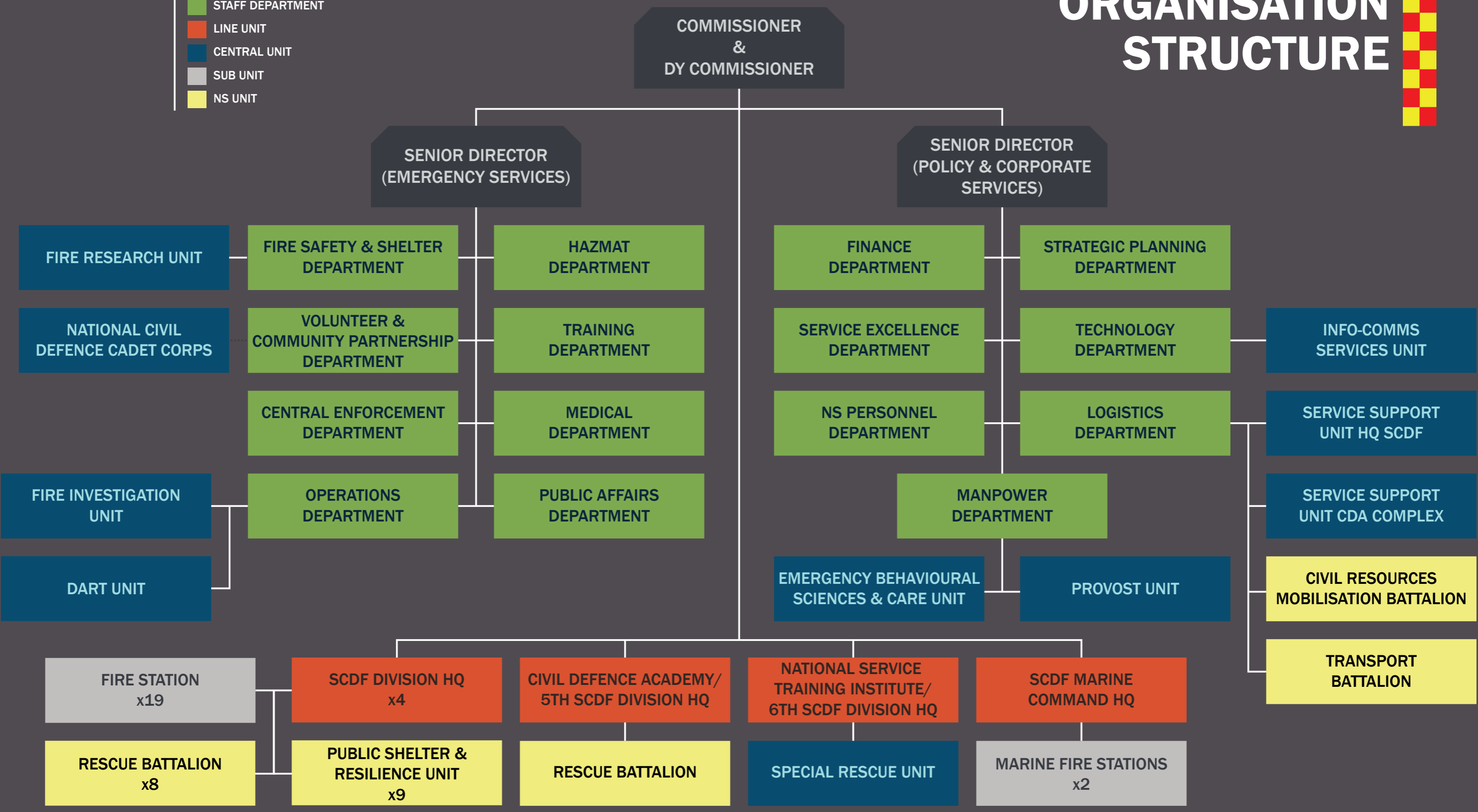
- △ TRAINING FACILITIES
- FIRE POST
- ◎ FIRE STATION
- ★ DIVISION HEADQUARTERS
- ⚓ MARINE FIRE STATIONS
- ★ HQ SCDF



# LEGEND

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

# ORGANISATION STRUCTURE



# *Operational Excellence*





## Sentosa Fire Station

On 6 June 2016, Sentosa Fire Station commenced operations as Singapore's 21st fire station. Strategically located in Sentosa, it provided round-the-clock emergency services to its vicinity such as Habourfront and Telok Blangah.

Fitted with solar panels, it was the first eco-centric fire station in Singapore that draws energy from natural ventilation and sunlight to power up the building as well as keep the premises cool.

## ASEAN Emergency Response and Assessment Team

Following a 6.5 magnitude earthquake that struck Aceh province in Sumatra on 7 December 2016, SCDF deployed two officers to a 10-day mission in Indonesia and as part of a five-man ASEAN Emergency Response and Assessment Team (ERAT), under the auspices of the ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre).

At the mission, LTC Ng Geok Meng and MAJ Stuart Koh Kim Hwee conducted a joint damage assessment with the local authorities and helped coordinate the delivery of relief items from the ASEAN regional stockpile in Subang, Malaysia.

The ERAT's primary function is to provide rapid assessment and support the national disaster management office of any affected ASEAN member state in the initial phases of a major disaster.



## Singapore-Global Firefighters and Paramedics Challenge 2016

The annual Singapore-Global Firefighters and Paramedics Challenge (SGFPC), held on 12 November 2016 at the Singapore Expo, saw more than 500 local and overseas participants taking part in a series of adrenalin-pumping competitions.

The international teams included members from 19 Civil Defence organisations or fire services from across 15 countries such as Australia, Britain, China and Indonesia. The local teams included SCDF's career officers, paramedics, National Service personnel and volunteers from the National Civil Defence Cadet Corps and Civil Defence Lionhearter Clubs.

SSG Md Bukhary from the SCDF's elite Disaster Assistance and Rescue Team (DART) clinched the championship title at the signature Braveheart International Challenge, with Josh Caddy from the Department of Fire and Emergency Services, Western Australia, in second place and Paul Gray from the United Kingdom International Search and Rescue Team, in third place.





Picture: Limited edition SCDF fire bike toy

## Lifesavers' Connect 2016

The Lifesavers' Connect (LSC) 2016, held in conjunction with the SGFPC from 11 to 13 November 2016 at the Singapore Expo, saw close to 16,000 visitors. The public exhibition showcased SCDF's latest fleet of emergency vehicles and provided the opportunity for members of the public to gain insights into the work of emergency responders.

Visitors also took part in fun-filled family activities, acquired essential lifesaving skills such as CPR and took home the limited edition SCDF fire bike toy.





## SCDF Parade

The SCDF Day Parade, held on 12 November 2016 at the Singapore Expo, was a significant ceremonial event where all SCDF officers reaffirmed their commitment to the Force and its lifesaving mission.

Led by Parade Commander LTC Raihan Rafiek, the parade featured a Guard-of-Honour contingent comprising officers from 3rd SCDF Division, the Best Civil Defence Division in 2016. They were joined by marching contingents from other SCDF Divisions, Civil Defence Academy, National Service Training Institute, Operationally Ready National Service Units and the National Civil Defence Cadet Corps.



## New Approach to Handling Cardiac Arrest Calls at SCDF 995 Operations Call Centre

---

To improve the survival rates of out-of-hospital cardiac arrest cases, the SCDF 995 Operations Call Centre revolutionised its approach in handling such emergency calls. In the past, the caller would be informed by a Call Centre Specialist that an ambulance was on the way to the incident scene. From 2016, the caller would also be encouraged to perform chest compression-only CPR on the victim and be guided in doing so through step-by-step instructions over the telephone, besides being assured that an ambulance had been deployed to the scene.

In addition, since November 2016, more nurses from the Singapore General Hospital have been seconded to the Call Centre to further enhance the quality of the emergency medical dispatch services.





## Exercise BOCA NDP 2016

On 22 July 2016, in preparation for the National Day Parade (NDP), SCDF conducted Exercise BOCA NDP 2016 at the Singapore Sports Hub. This annual exercise served to validate SCDF contingency response to a major incident and sharpen coordination among its ground forces and related Home Front agencies.



## Exercise BOCA F1 2016

On 14 September 2016, in preparation for the Singapore Grand Prix 2016 Formula 1 Night Race, SCDF conducted Exercise BOCA F1 2016 at the Pit Grandstand of the Marina Bay Street Circuit. This exercise saw the involvement of 35 SCDF vehicles, including the Hazmat Mitigation Vehicle and Mass Decontamination Vehicle, as well as the 180 officers from SCDF and Singapore Police Force.

## Fire and Rescue Operations Support Tender

In June 2016, the Fire and Rescue Operations Support Tender (FROST) became operational for frontline deployment. Designed by SCDF, the FROST comprised features found in two existing support vehicles namely, the Breathing Apparatus Tender and the Damage Control Tender. Not only did it enhanced productivity, it did so with a 50% reduction of manpower.

Since October 2016 and in view of the current global security environment, the vehicle is also equipped with ballistic vests and helmets to enable SCDF emergency responders to conduct snatch rescue operations in hostile or active shooting incidents.

The FROST, accorded with the Home Team Innovation Award (Product Innovation, Commendation), was deployed for numerous major operations in 2016 such as a major industrial fire at Tampines Street 92 on 17 August 2016.



## Enhanced Operationally Ready National Servicemen Rescue Battalions

The SCDF's Operationally Ready National Servicemen (ORNS) Rescue Battalions are trained and equipped to conduct search and rescue operations during major and prolonged incidents in peacetime and in the event of a National Emergency. SCDF has also adopted the training methodology of the United Nation's (UN) International Search and Rescue Advisory Group for its ORNS Rescue Battalions. This novel move was introduced to match the Rescue Battalions' Urban Search and Rescue (USAR) competencies of that of the UN's Medium USAR team.

In 2016, the existing SCDF Rescue Trailers, used by the ORNS Rescue Battalions, were equipped with new features such as a motor-driven capability and installed with compartment and area lightings to illuminate the immediate surroundings of night operations.

These enhancements, incorporated in a new and ergonomically re-designed chassis of the Rescue Trailers, will ramp up the ORNS Rescue Battalions' USAR capabilities.





## Fire @ 23 Tembusu Road

On 20 April 2016 at approximately 1500hrs, a crude oil tank measuring about 40 metres in diameter and 20 metres in height caught fire at 23 Tembusu Road on Jurong Island. About 150 SCDF officers battled the raging inferno with several foam jets, including a large 6,000 GPM (gallons per minute) foam monitor.

The challenging operation was a race against time in view of the oil tank that had buckled and the need to prevent the intense heat from spreading to its immediate surroundings. The fire was extinguished within five hours and involved five fire engines, three red rhinos and 29 support vehicles.



## Fire @ Tampines Street 92

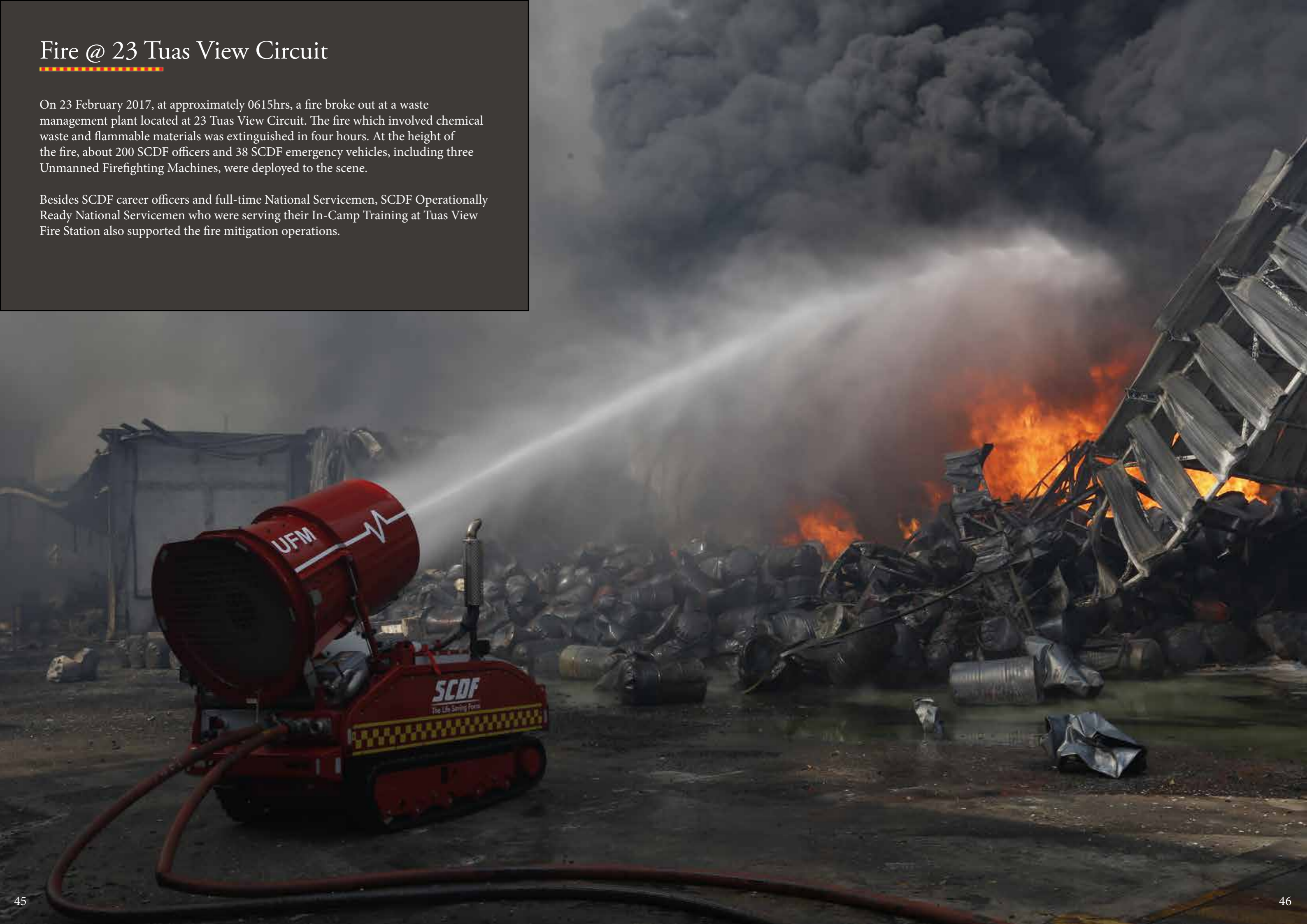
On 17 August 2016 at approximately 1330hrs, a fire broke out at a building located at Tampines Street 92. The fire, which caused multiple explosions, engulfed the entire third and fourth floor of the seven-storey industrial building and threatened to spread to other parts of the building.

110 SCDF officers and 27 emergency vehicles, including four crane-like aerial appliances, were deployed to the scene. The massive fire was extinguished after 16 hours of intense firefighting operations and was also the largest industrial fire attended to by the SCDF in 2016.

## Fire @ 23 Tuas View Circuit

On 23 February 2017, at approximately 0615hrs, a fire broke out at a waste management plant located at 23 Tuas View Circuit. The fire which involved chemical waste and flammable materials was extinguished in four hours. At the height of the fire, about 200 SCDF officers and 38 SCDF emergency vehicles, including three Unmanned Firefighting Machines, were deployed to the scene.

Besides SCDF career officers and full-time National Servicemen, SCDF Operationally Ready National Servicemen who were serving their In-Camp Training at Tuas View Fire Station also supported the fire mitigation operations.



1998 - 2007

# Always ready to help in disaster relief

For more than a decade, Lieutenant-Colonel (NS) Mohan Tiru was ready to leave the country at a moment's notice when disaster struck the region.

Although the 50-year-old completed his reservist last year, the black bag he took on such trips, stocked with items such as a Swiss army knife, water bottle and mosquito coils, still sits in his home.

Dr Mohan, an emergency physician at Changi General Hospital, was among the Singapore Civil Defence Force's (SCDF) operationally ready national servicemen involved in Operation Lionheart overseas missions, which consist mostly of SCDF regulars.

He enlisted in 1985 and vividly recalls his first humanitarian trip with the force: to the coastal area of Khao Lak in Thailand after the 2004 tsunami.

Being among the first wave of about 40 responders from Singapore a day after the disaster, he arrived to a beachfront where hotels had been reduced to rubble, as rescue officers were kept on their toes for signs of aftershocks. There was no escaping the smell of death.

"The most poignant thing I remember was stacks and stacks of coffins made from cupboards, destroyed furniture," he said of the situation about a week after the magnitude-9.1 earthquake struck beneath the Indian Ocean near Indonesia.

It triggered the massive tsunami,

which killed 230,000 to 280,000 people across the region.

As rescue efforts began, the bodies started coming in. Piled about three to four levels high, the coffins were "like Lego bricks", stretching for about 50m to 100m, he said.

Dr Mohan's team spent 14 days in the area, helping locals recover dead bodies from the rubble and trying to locate as many Singaporeans as possible. As a husband whose wife was pregnant with their second child back then, seeing young families and children who had lost their lives hit him hard.

There were other challenges. "We had to learn a lot very quickly and be able to adapt to the situation," he said of getting to search-and-rescue work, as well as medical relief, within minutes of reaching an area. "The clock starts ticking once disaster strikes, and time is against you."

He has since been on three other Lionheart missions - in Pakistan in 2005, Indonesia in 2006 and New Zealand in 2011, which all followed earthquakes.

Being an emergency physician, he found it a natural progression to move into disaster work, and is thankful for being able to do it with his family's blessings.

"I was lucky to find a vocation in NS that reflected what I did in civilian life, and what I had passion for."

Seow Bei Yi

Dr Mohan's first humanitarian trip with Operation Lionheart was to Khao Lak in Thailand after the 2004 tsunami. ST PHOTO: FELINE LIM



Rushing to the scene of fires and accidents to help save lives and property has become a day's work for Cpl Aliff, who enlisted in 2015 and serves at the Tampines Fire Station. Still, he and his team members never take the danger for granted, relying on one another to make it through safely. ST PHOTO: CHEW SEANG KIM

2008 - 2017

# Undaunted as he battles raging flames through the night

Smoke was so thick in the corridor that the two firefighters could barely see past their masks.

They were moving gingerly across the fourth storey of a burning industrial building to assess the fire and see if anyone was trapped. They stopped at one of the doors amid the escalating heat.

Suddenly, they heard explosions beyond the door. Firefighter Muhammad Aliff Amirrudin Abdul Razak, 21, who was there with his section commander, said the senior officer told him to retreat.

"There were explosions all around us as we ran through the darkness to the stairs," said Corporal Aliff, a Singapore Civil Defence Force national serviceman.

Cpl Aliff, who enlisted in 2015, has been fighting fires since then. He was recalling the blaze that destroyed the CK Building in Tampines Street 92 on Aug 17 last year.

Weighted down by about 20kg of firefighting and personal safety equipment, the two men dashed down the stairs even as mini explosions sounded around them.

Said Cpl Aliff: "Because of the fire and smoke, the staircase landings were no longer brightly lit."

"Together with my team, we shuffled our way down, (reminding) one another to hold on to the railing and ensure everyone's safety as we retreated from the dark staircase landing."

The moment the team reached the staging area outside, Cpl Aliff saw the fourth-storey windows explode outwards, showering the premises below with glass shards.

"At that point, I knew we had made the right decision at the right time to retreat," he said.

The fire, which broke out at about 1.30pm, raged on for 16 hours because the premises contained highly flammable goods such as aerosol cans.

After 12 hours of working under hot and smoky conditions, Cpl Aliff's team was relieved.

When he reached home at 9am the day after, the excitement had worn off and fatigue had set in.

He said: "I slept for more than a day. When my parents asked me about it, I told them from start to end (what had happened). They were surprised that I could last for more than 12 hours."

Zaihan Mohamed Yusof

HOME TEAM, MY TEAM More stories at straitstimes.com VIDEO: 5 national servicemen share memories across decades http://str.sg/4h8c

DASHING THROUGH DARKNESS TO SAFETY There were explosions all around us as we ran through the darkness to the stairs. Cpl Muhammad Aliff Amirrudin Abdul Razak, a Singapore Civil Defence Force national serviceman, on how he and his team barely escaped the fire that razed the CK Building in Tampines last year.

Source: THE STRAITS TIMES, 13/03/17, PAGE B5



Source: THE STRAITS TIMES, 13/03/17, PAGE B5

# SCDF in the News

## 大士岸外 驳船失火 70民防队员灭火 1消防员遭烫伤

江欣如 报道 brendak@sph.com.sg

大士岸外靠港驳船突失火，民防部队出动70人灭火，一英勇消防员遭烫伤送院。

这起火患发生在昨午3时30分，地点是80号大士南林荫道附近。一艘长约200米、宽50米的驳船起火，失火的相信是船上第三层甲板的房内物件。

民防部队获悉消息后派遣三辆消防车、三辆红犀牛、两辆消防电单车、一辆救护车、一台无人驾驶灭火机、六辆支援车以及两艘民防部队的海事消防救援船赶往现场支援。胜利海事内部的紧急应变小组(CERT)也在场协助灭火。据了解，民防人员用水枪往舱壁外方灌水，海事消防救援船则利用消防水泵射水降温，防止火势蔓延。由于驳船的木质构造倒塌，火势猛烈，



▲民防部队花了约7小时扑灭火势。(取自民防部队面簿)

民防部队花了约7小时才成功扑灭火势，在晚上10时30分受到控制。

民防部队在面簿上透露，出动约70名工作人员灭火，并用了6支水枪。

民防部队在贴文中指出，失火时无人人在驳船上，不过救火过程中，一名英勇消防员的右腿被热水和蒸汽烫伤，送往国大医院治疗。

Source: SHIN MIN DAILY NEWS, 02/08/16, PAGE 4

70 SCDF firefighters took seven hours to extinguish a fire that broke out on a large cargo barge berthed at the Sembcorp Marine shipyard in Tuas.

# Eight injured in crash at Victoria Street junction

Victims in morning collision between two cars include 71-year-old pedestrian

Zhaki Abdullah and Chew Hui Min

Eight people were injured after two cars collided at the junction of Victoria Street and Jalan Sultan yesterday morning. The accident occurred at around 8am, when a grey sedan travelling

along Victoria Street crashed into a black MPV travelling on Jalan Sultan, in the direction of Syed Alwi Road.

Chinese daily Lianhe Wanbao reported yesterday that the driver of the sedan suddenly lost control of his vehicle before hitting a traffic light at the junction, which caused it to topple over.

The impact of the crash crumpled the bonnet of the sedan.

The crash caused the MPV to skid out of control before ending up on the second lane of Victoria Street in the direction of Lavender Street, in front of Hotel Boss. The front right door of the MPV was badly damaged, and the front right wheel was dislodged.

As a result of the accident, one of the cars hit a pedestrian, believed to be a 71-year-old woman. The Singapore Civil Defence Force was alerted to the accident at

8.15am and sent a fire engine, a Red Rhino, five ambulances and two support vehicles to the scene.

A police spokesman said the eight victims, aged between 20 and 71, were taken to hospital following the accident.

Seven were taken to Tan Tock Seng Hospital and one to the Singapore General Hospital. The Straits Times understands that the victims included one pedestrian, as well as the driver and the six passengers of the grey car.

The police directed traffic at the



The grey sedan hit a traffic light, causing it to topple over. PHOTO: LIANHE WANBAO

junction, amid spill oil and wreckage from the accident, as bystanders gathered to watch.

Eyewitnesses said one injured man's clothes were smeared with blood and he had a bandage wrapped around his head. Another victim, lying on a stretcher, wore a head brace and had bandages on his arm, legs and abdomen.

Passers-by, including the occupants of two cars who stopped to offer assistance, helped the injured. The police said investigations are ongoing. In 2012, three people died and two were injured when a Ferrari hit a taxi after beating a red light at the junction of Victoria Street and Rocher Road, about 1km away from the scene of yesterday's accident. zhai@sph.com.sg chui@sph.com.sg

Source: THE STRAITS TIMES, 12/12/16, PAGE B3



# Public Protection



## Enforcement Checks

On 15 December 2016, in preparation for the year-end festive season, SCDF conducted fire safety enforcement checks at public entertainment outlets and shopping malls at Marine Parade, Raffles Place and the Marina area.

Held over and above the enforcement checks conducted throughout the year, 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





## Public Shelter and Resilience Unit

In July 2016, in support of the SGSecure national movement, the SCDF ORNS Shelter Battalion was renamed Public Shelter and Resilience Unit (PSRU). The PSRU took on the Shelter Battalion's role in ensuring that public shelters are converted and ready for occupation when required. In addition, 1500 SCDF PSRU ORNSmen also took on the role as active mobilisers in community engagement and community first response.

### PSRU's Community Engagement Role:

In each ICT, about 30 PSRU ORNSmen who are equipped with iPads would conduct door-to-door house visits at identified residential heartlands. Accompanied by the Community Involvement Officers from the SCDF Land Division Headquarters and grassroots members, they will impart information on SGSecure to residents, including guiding the residents to download the SGSecure mobile app.

### PSRU ORNSmen as Community First Responders:

During the house visits, equipped with fire extinguishers and first aid kits, the PSRU ORNSmen could be activated by the SCDF to respond to incipient fires or medical emergencies occurring within the residential estate. They would also be the 'eyes and ears' to report on any suspicious activities or individuals in the community.

# Junior Civil Defence Lionhearters Appointment Ceremony

On 11 November 2016, about 500 students from 23 primary schools were officially inaugurated as Junior Civil Defence (CD) Lionhearters at an appointment ceremony held at the Singapore Expo. The Guest-of-Honour Mr Amrin Amin, Parliamentary Secretary for Home Affairs, presented the new members with a collar pin each that symbolised their pride and conviction in spreading the importance of emergency preparedness and community first response to their friends and family members.

In addition, students from Loyang Primary School were presented with the SGSecure collar pins to recognise them as the first Junior Lionhearter Club to complete the SGSecure training on community vigilance, community cohesion and community resilience. The appointment ceremony also saw the official establishment of the CD Lionhearter Club in Jurong Junior College and Tampines Junior College, the first junior colleges to join the CD Lionhearter fraternity.



# NTU CD Lionhearter Club

On 11 August 2016, the CD Lionhearters Club was launched in the Nanyang Technological University (NTU). The launch was officiated by Associate Professor Ho Peng Kee, Chairman of the Home Team Volunteer Network. As the first local university that formed a CD Lionhearter Club, NTU provided an avenue for tertiary students to be actively engaged in civil defence, emergency preparedness and overseas humanitarian and disaster relief missions.

Alongside 35 primary schools and all the polytechnics and ITE colleges in Singapore, NTU CD Lionhearters joined the SCDF fraternity in supporting the SGSecure national movement, particularly in promoting community resilience through the notion of community first response and community self-help in times of crisis such as a terror attack.

First launched at Singapore Polytechnic in 2009, the CD Lionhearter Clubs are today integral to SCDF's efforts in promoting youth volunteerism in emergency preparedness.



## New Three-Tiered Community Emergency Preparedness Programme

In November 2016, the five-modular Community Emergency Preparedness Programme (CEPP) was streamlined into a three-tier structured programme to equip the community with emergency preparedness skills and knowledge that matched their expected level of response.

The three-tiered programme is namely, 'I am Safe', 'Response Ready' and 'Lifesaver'. The first tier is a 15-minute e-learning online module which equips the participants with vital knowledge on how one could get himself/herself out of harm's way, while the second and third tiers are classroom-based practical hands-on sessions on lifesaving skills. The knowledge and skills acquired from the CEPP prepare the participants to step forward as Community First Responders during emergencies, prior to the arrival of SCDF.



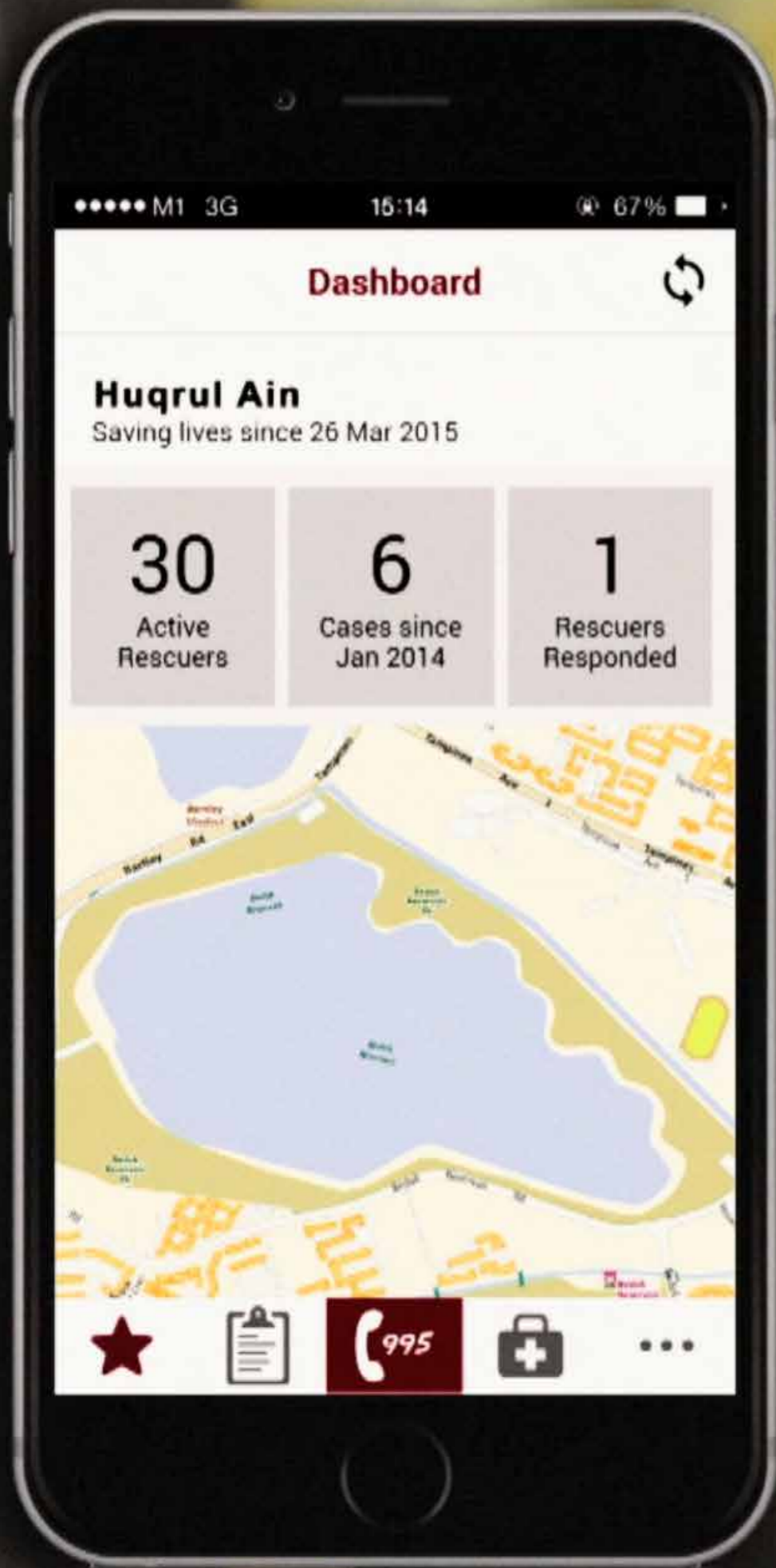
## Revamped Emergency Preparedness Day at Residential Heartlands and Workplaces

In support of the SGSecure national movement, the format of the Emergency Preparedness (EP) Day event was revamped to promote the core messages of SGSecure: Community Resilience, Community Vigilance and Community Cohesion. Eight revamped EP Day events were piloted in 2016 and another eight conducted from January to March 2017.

The revamped EP Day event also allowed residents the opportunity to learn essential lifesaving skills such as firefighting and the use of CPR and AED, and familiarise themselves with what to do during a terror attack. It was also a platform to impart the 'Improvised First Aid Skills (IFAS)' and SPF's 'Run Hide Tell' advisory as well as promote the SCDF myResponder and SGSecure mobile applications.







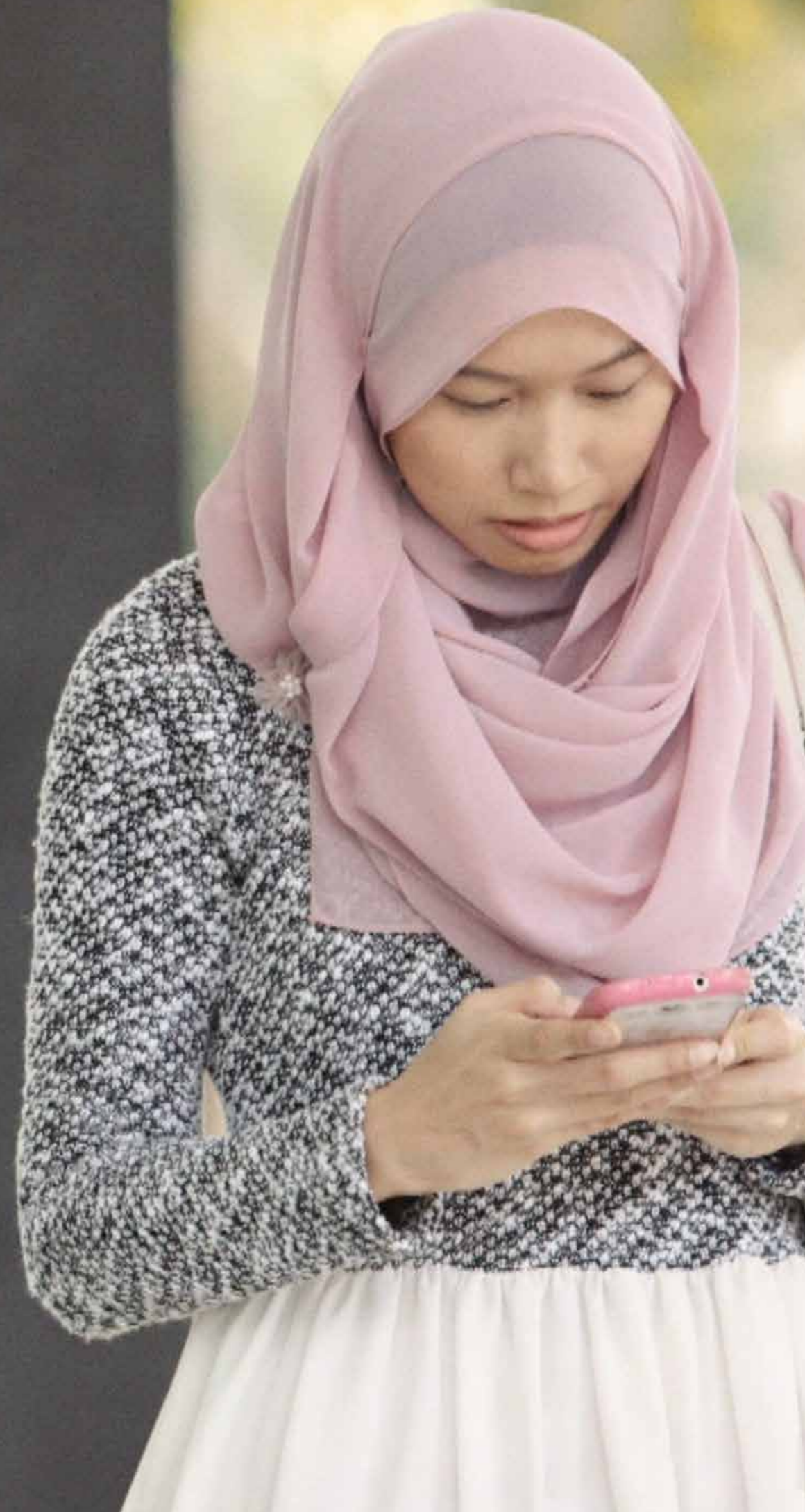
## myResponder Mobile Application

The SCDF myResponder mobile application was launched in April 2015 to allow users to report incidents of cardiac arrest and locate nearby AEDs. It also enables members of the public trained in CPR and AED procedures to respond to incidents that had occurred within their vicinity and upon receiving the alerts from SCDF.

Since its introduction, the mobile application has been downloaded 36,000 times, and with at least 1 in every 10 cardiac arrest cases attended to by community first responders who were alerted via the mobile application.

In 2016, the SCDF myResponder mobile application attained awards such as the:

- Platinum Award for Product Innovation at the MHA 3i Awards 2016;
- Certificate of Merit for Most Innovative Project/Policy at the PS21 ExCEL Awards 2016; and
- 1st Runner-Up for Most Innovative Use of Infocomm Technology (Public Sector) at the National Infocomms Awards, which is also Singapore's highest accolade for infocomm innovation.



## Save-A-Life Initiative

In late 2015, the Save-A-Life (SAL) initiative was introduced to increase the availability of publicly accessible Automated External Defibrillators (AED) and to improve the rate of survival for Out-Of-Hospital cardiac arrest patients. During a six-month pilot phase, 387 AEDs were installed in alternate HDB blocks in Bedok, Bukit Panjang, Choa Chu Kang, Pasir Ris West, Radin Mas and Tampines West constituencies.

A survey revealed that residents were favourable towards (85.6%) the expansion of the SAL to all constituencies in Singapore. 86.4% of the respondents agreed that AEDs installed at the lift lobbies are conveniently located for use during an emergency.

The SAL initiative will be expanded to all HDB residential heartlands by early 2019. With an increase in the number of publicly accessible AEDs in Singapore, we can expect to see many more lives being saved in the years ahead.



*Organisational  
Excellence*





## Crisis Management Conference 2016

---

The Crisis Management Conference (CMC) 2016, held on 11 November 2016, was graced by Guest-Of-Honour Mr Desmond Lee, Senior Minister of State, Ministry of Home Affairs and National Development.

Since its inaugural run in 2003, the CMC provided a platform for member cities of the network to share experiences and know-how on crisis management and build a network to facilitate the exchange of information during emergencies. The theme for CMC 2016 was 'Transformation and Innovation in Emergency Management'.

2016 marked the second time in which that the SCDF hosted the conference, with the first in 2006.

## MOU with SingHealth Group

On 11 January 2017, SCDF and SingHealth Group signed a Memorandum of Understanding (MOU) to formalise a series of collaborative arrangements in areas such as medical dispatch, emergency medical training and data analytics. The MOU also served to promote greater enhancements on key areas of Pre-hospital Emergency Care capability.

The MOU signing was witnessed by Mr Teo Chee Hean, Deputy Prime Minister and Coordinating Minister for National Security.



## MOU with Department of Fire and Emergency Services of Western Australia

On 12 November 2016, SCDF and the Department of Fire and Emergency Services (Western Australia) renewed the MOU to facilitate information sharing on the delivery of firefighting and emergency services, collaborations on professional training in USAR efforts and in the management of hazardous materials.

The MOU signing was witnessed by Mr Desmond Lee, Senior Minister of State for Home Affairs and National Development.

The first such MOU between the two organisations was inked on 3 May 2013.



# Asian Emergency Medical Services Award 2016

In August 2016, SCDF was conferred the 4th Asian Emergency Medical Services (EMS) Award (Institutional Category) by the Asian Emergency Medical Services Council.

The SCDF was recognised for its initiatives in transforming EMS through a Community Response System that leveraged the knowledge and skillsets of emergency prepared citizens, bystander responders and volunteer lifesavers.



## Innovation Excellence Award

In 2016, the SCDF was conferred the Innovation Excellence Award (IEA) by SPRING Singapore. The IEA is a niche Business Excellence standard for organisations that harnessed innovative-centric ideas and practices.

SCDF was also the first organisation in Singapore and the first public sector organisation to be conferred both the Singapore Quality Award with Special Commendation and IEA back-to-back in the span of two years.





# Statistics

## TOTAL FIRE CALLS

10.6%



2016	4,114
2015	4,604

### Top 3 types of fires in residential premises



### Top 3 types of fires in non-building places

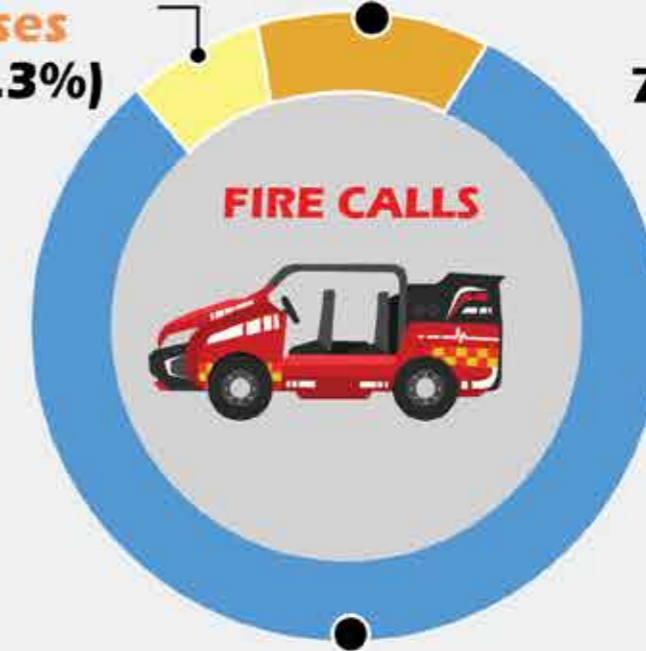


## Fire in non-residential premises

506 (12.3%)

## Fire in non-building places

790 (19.2%)



## Fire in Residential premises

2,818 (68.5%)

**51.2%**

Rubbish fires form the bulk of fires in residential premises

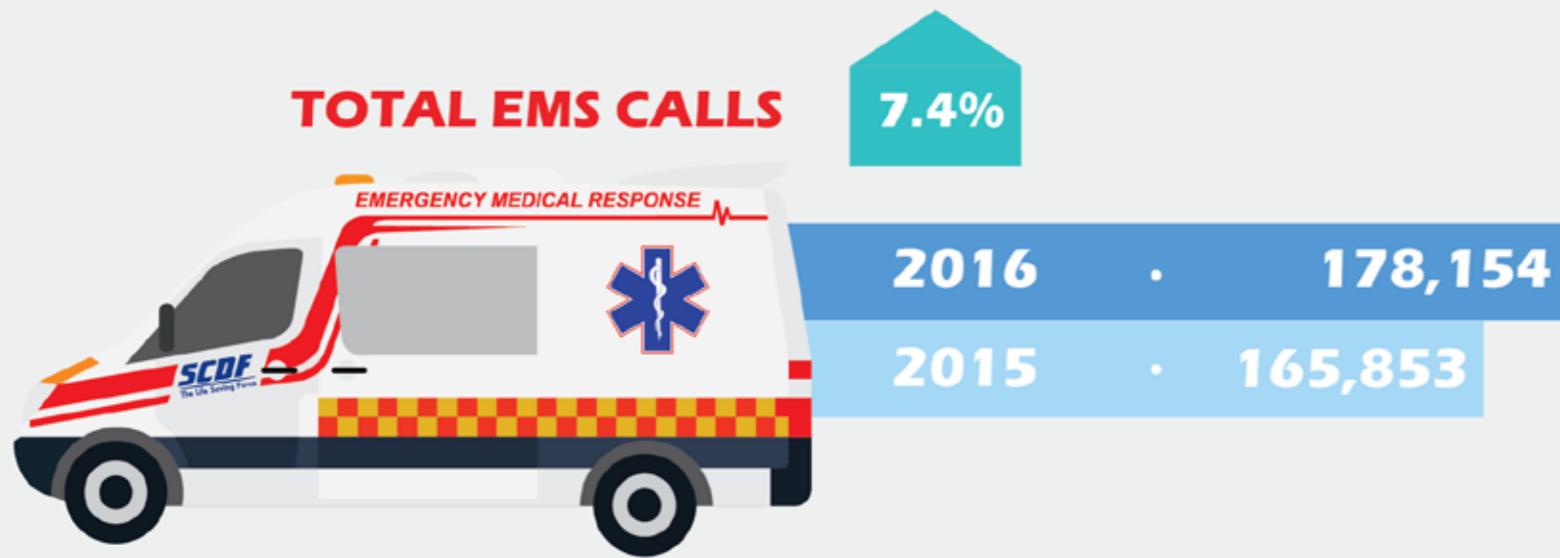
**62**

Fire Injuries

**1**

Fatality

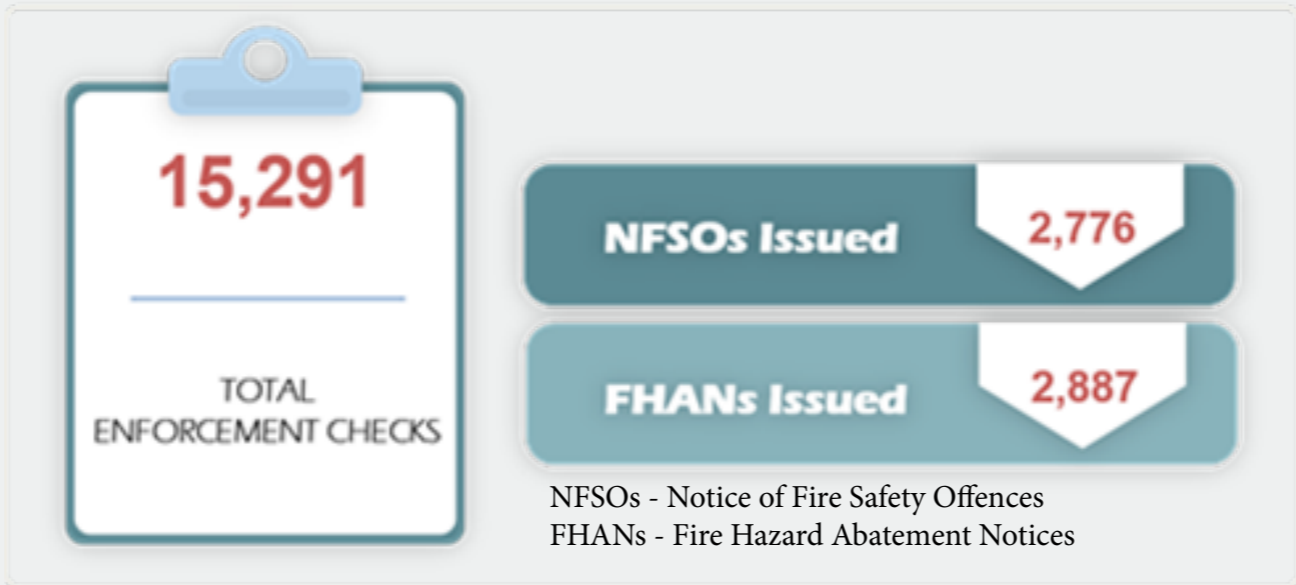
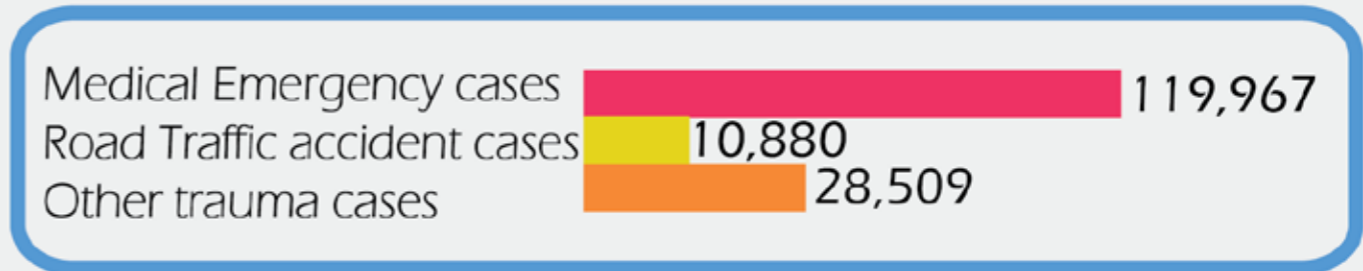
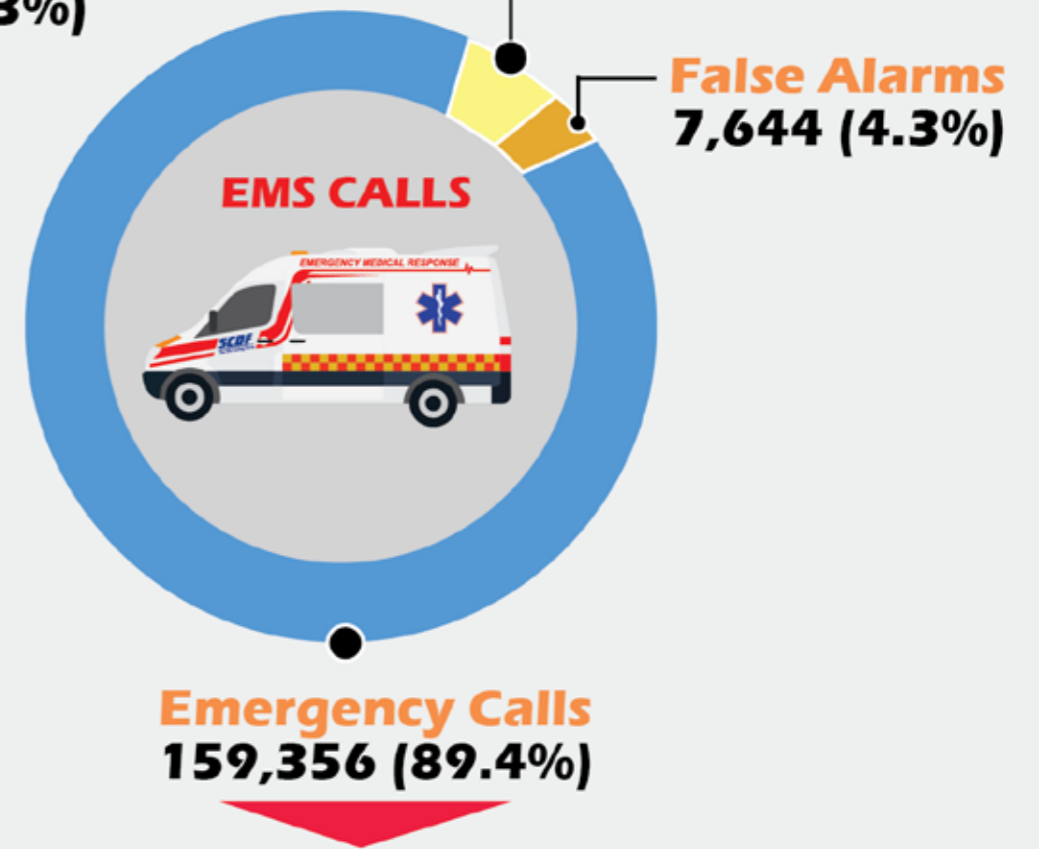
Source: Fire and Rescue NSW, 2016-17 Annual Report



**87.1%**  
Ambulance calls responded within 11 mins

**5**  
New ambulances were added

**Non-Emergency Calls**  
**11,154 (6.3%)**





***SCDF***  
The Life Saving Force