

FIRE AND RESCUE INTERNATIONAL

Integrated fire, rescue, EMS and disaster management technology

Volume 2 No 2



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Comment



Lee Raath-Brownie

Fire and Rescue International (FRI) is proud to present its 14th edition. This issue features its usual news round-up, practical expertise, interesting snippets, a fire department in focus and loads of industry information. We trust that you enjoy reading our magazine and find it informative!

Cover profile

Our front cover this month profiles MAN Truck and Bus and its recent handover of a 140 vehicles to Chrome Carriers.

FRI Images photographic competition

A silhouette photograph won one of FRI's readers R2 000. See page 3 for details. **CONGRATULATIONS!**

You too can be a winner. Just submit your high-resolution photograph featuring a rescue, emergency, incident or fire scene and win R2 000 cash!

News section

The fertiliser explosion in Texas and the building collapse in Bangladesh features prominently in this month's news section. New technology for the SAPS in Gauteng, South Africa, the Boston bombings, an innovative emergency housing system from Rural Metro Emergency Services, ER24's HEMS program, the Mpumalanga helicopter crash and much more are also featured. We discuss the impact of crew size on high-rise response and review the recent Fire Week presented by the Letaba Fire Protection Association.

Bus accident rescue strategies

Rescue strategies for bus accidents is the focus of FRI's technical article this month. Colin Deiner, debates the intricacies bus accident rescues and outlines the five pillars of any major accident with multiple casualties. Agree or disagree, but Deiner provides thought-provoking material for today's rescuer.

Fire brigade in focus

FRI visited Tlokwe Municipality and we feature the Tlokwe Fire Brigade section which is in the process of building one brand new fire station, with an additional three sub-stations in the pipeline set to be built over a five-year period, in order to keep up with infrastructure and residential developments in Potchefstroom, in the North-West Province, South Africa.

Fire protection associations

FRI features an informative article on the workings of Fire Protection Associations (FPAs) in South Africa and highlights the benefits to landowners of becoming a member of their local FPA.

IFSEC South Africa conference and exhibition 2013

FRI previews the IFSEC South Africa conference and exhibition, which will be held from 18 to 20 June 2013 at the Gallagher Convention Centre in Midrand, South Africa. We offer our readers a sneak preview to the exhibition to enable them to plan their daily programme. We urge readers to make use of the exceptional networking platform.

Fire season: Winter season preview and summer season review

We spoke to the Umbrella Fire Protection Associations in South Africa and bring you a comprehensive preview of the upcoming winter fire season in South Africa. We also spoke to the Western Cape and review their past summer fire season, looking at how they managed the multiple major fires at the beginning of 2013.

We love to hear from our readers and value your input. Fire and Rescue International is your magazine. Read it, use it and share it!

**Lee Raath-Brownie
Publisher**





This month's FRI images winner!

Congratulations to

Rachelle Wratten for her "Fire starter" photo taken with a Nikon D3000 and a Nikon 18-55mm lens with f/5, 1/25 seconds, ISO-1600 setting.

Well done!

Photo description:

This man plays a very important role in the fire fighting team. He is responsible for lighting the fires when back burns are done or firebreaks are burnt.

Rachelle Wratten wins this month's prize money of R 2 000!

Submit your rescue, fire or EMS photo and win R2 000!

Fire and Rescue International (FRI) has introduced a monthly photographic competition to all its readers. This exciting competition offers you the opportunity of submitting your digital images of fires, fire fighters, disasters, emergencies and rescues.

The rules are simple:

- All photographs submitted must be in jpeg format and not bigger than 4 megabytes.
- Photographs must be in high resolution (minimum 1500 pixels on the longest edge @ 300dpi) for publishing purposes
- **Allowed:** cropping, curves, levels, colour saturation, contrast, brightness, sharpening but the faithful representation of a natural form, behaviour or phenomenon must be maintained.
- **Not allowed:** cloning, merging/photo stitching, layering of two photos into one final frame, special effects digital filters.
- Fire and Rescue International (FRI) reserves the right to publish (printed or digitally) submitted photographs with acknowledgement to the photographer.
- Winners will be chosen on the merit of their photograph.
- The judge's decision is final and no correspondence will be entered into afterwards.
- Brief description should accompany photo.

Entries must include:

- Name of photographer
- Contact details (not for publishing)
- Email: (not for publishing)
- Name of photograph
- Brief description of photograph including type of fire
- Camera, lens and settings used

All entries must be emailed to:
lee@fireandrescue.co.za.

>>ENTER NOW!





MAN truck trumps in longhaul fleet procurement

A total of 140 MAN trucks were supplied to Chrome Carriers

Transport and logistics company, Reinhardt Transport Group (RTG), took delivery of 140 trucks from MAN Truck and Bus South Africa, which will service the group's Rustenburg-based, Chrome Carriers division. The official handover of 140 MAN TGS 27.440 BBS 6x4 truck tractors took place on 3 May this year, forging a landmark deal for MAN Truck and Bus with RTG.

MAN Truck and Bus South Africa truck division CEO, Bruce Dickson, says that the deal with RTG forms a benchmark in the company's South African operations. "All at MAN Truck and Bus plan to provide key support to RTG. We will work together to achieve the best independent long-haul fleet," said Dickson at the official handover of the MAN fleet at the Reinhardt Transport headquarters in Nigel, Gauteng.

The long haul truck requires meticulous vehicle specifications and Dickson says that MAN responds to this need and effectively. He adds that the MAN vehicles are an embodiment of cost construction and engine reliability, which ultimately impacts on vehicle economy and product specification.

Established in 1982 by the current chairman and CEO, Derick Reinhardt, RTG is now a leading independent long haul trucking operation in South Africa, boasting a combined fleet of 485 trucks.

RTG Deputy CEO, Graham Gaskell, said at the handover ceremony that RTG's Chrome Carriers fleet comprises 255 side-tipper interlink truck-trailer combinations. The Chrome Carriers fleet transports between 33 and 34 tons of chrome-

related products from the Highveld to the ports of Richards Bay and Maputo, he noted. "The deal with MAN followed a stringent process of product analysis of several leading extra-heavy truck original equipment manufacturers (OEMs) to determine which derivative would offer lowest total cost of ownership and deliver optimum productivity," said Gaskell. RTG has an annual turnover of R1,2-billion with an average fleet of 14 months manages a little fewer than 600 drivers across its respective transport operations.

Gaskell stated that the company manages a technically advanced and highly modernised fleet, which through sheer volume, enables the transportation of large product volumes with economies of scale that delivers both flexibility and cost-savings to the company's clients. ►



Derick Reinhardt, RTG chairman and CEO and Graham Gaskell, RTG Deputy CEO



Derick Reinhardt, RTG chairman and CEO and Bruce Dickson, MAN Truck and Bus South Africa truck division CEO

► Trump card

RTG CEO, Reinhardt, says that Chrome Carriers deployed four MAN TGS 27.440 units into the fleet on a trial basis in 2012. RTG decided to acquire the new MAN fleet over its competitors based on the TGS units each notching up 200 000 kilometres without a single technical issue, said Reinhardt. "The decision was supported by a number of other positive factors including impressive fuel consumption figures, competitive pricing, driver comfort, comprehensive product support and a warranty and maintenance structure that meets our fixed-cost targets," said Reinhardt.

The pressure on fleet operators to manage a truck and bus fleet is immense and with this in mind, MAN implemented vigorous standards to achieve effective fleet management for its customers, stated Dickson. He said that this is achieved by providing warranty cover and maintenance support, whilst also notching up notable fuel savings together with its original design manufacturer (ODM)

brands. "We looked at continually reducing this critical cost reduction practice. MAN has one of the most sophisticated support networks in the country. Dealerships provide onsite maintenance if necessary," cited Dickson.

MAN's transport efficiency program

The amount of transport and traffic on South Africa's roads continues to increase, reports MAN Truck and Bus South Africa. The truck manufacturer states that the long-term dwindling of energy resources is making transport increasingly more expensive. Being a leading manufacturer of buses and trucks in South Africa, MAN makes a worthwhile contribution to the continued improvement of transport efficiency, offering a comprehensive efficiency program to reduce total cost of ownership, reports the company.

The MAN TGS 27.440BBS trucks are designed for on- and off-highway applications, displacing 2100 newton metres (Nm) of torque from 1 000 to

1 400 revolution per minute (rpm), enabling improved tractive force at low engine speeds. This makes the vehicles ideal for applications, such as mining where muddy conditions are prevalent, reports MAN Truck and Bus South Africa.

The truck-tractor has a driveline optimised for long-haul bulk transport and is equipped with MAN's class-leading TipMatic automated manual transmission and BrakeMatic interarder, allowing for safe and economical operation on the open road. MAN reports that the TGS units are backed by a standard four-year, 600 000 kilometre driveline warranty and a three-year, 450 000 kilometre bumper-to-bumper warranty.

Driver cognisance

MAN's Driving Academy conducted a comprehensive 'train the trainer' programme with Chrome Carriers' driver-trainers to ensure every TGS driver in the fleet is fully conversant with all the safety and economy technologies on the vehicle. ►

Letters to the editor



Comment on Kenya fire management situation

Although fire management has not been taken seriously in Kenya, it is the major disaster, amongst others, that affect communities here – thousands of Kenyans are displaced, killed or maimed by fires every year. To a large extent, it is the urban poor who mostly live in informal settlements (slums), that are affected by fires. In the capital city of Nairobi alone, now Nairobi City County, there are over 200 informal settlements with over two million dwellers. Most of these dwellers live below one dollar per day mark, a situation which heightens their vulnerability to disasters.

Because of the lack of fire fighting equipment and awareness, Kenya National Fire Brigades Association (KENFIBA) is trying to reach communities through education/training. The forest fires experienced in this country are one of the greatest calamities facing our forest today. These fires are mainly

caused by human factors and can greatly impact on the climate causing a severe damage to the environment.

In this country, forest fires have caused a total damage of about 6 405,5 hectares of indigenous and man-made plantations, grass and shrubs, displacing wildlife.

The impact of the fires has been amplified by the looming drought and other factors which have weakened the poor's capacity to recover due to rising cost of living. With over 40% of the population of Kenya living in urban areas, the socio-economic impacts of the fires has run across the board causing displacements, deaths, injuries, destructions of property, loss of livelihoods and other natural resources, all of which have had negative impacts on the country's economy and also promoted criminal activities.



Francis Omolo Liech

Because of these hiccups facing our country (Kenya), in terms of fire management; Kenya National Fire Brigade (KENFIBA) is doing as much they could with financial constraints, we would gratefully welcome the support of international groups (eg Firewise, UNDP, FFA, GEF and others).

Francis Omolo Liech
Secretary – General
Kenya National Fire Brigades Association (KENFIBA)
KENYA



The MAN TGS 27.440 will form part of RTG's combined fleet of 485 trucks

► Dickson said that with the correct driving style, fuel savings of between seven and ten percent can be achieved.

"The environmental benefits from these savings extend to a carbon emissions reduction of 2,63 kilograms of carbon dioxide (CO₂) for every litre of fuel saved, an important factor for any fleet operator serving blue-chip clients," said Dickson.

An 'uptime principle' initiative by MAN, which ensures fleet vehicles are serviced swiftly with minimal downtime helped forge the RTG deal, mentioned Dickson. "Our dealer representation in the Highveld mining belt is particularly strong with the route running east from Rustenburg through Gauteng and Mpumalanga to the coast covered by no less than five MAN dealerships. MAN's parts supply infrastructure and Mobile24 roadside assist service ensure our customers' trucks don't stand for a minute longer than they absolutely have to."

With a three-year, 600 000 kilometres fleet replacement cycle, Chrome Carriers has replaced 100 units of its existing fleet and expanded by 40 units following its deal with MAN, reports RTG. Reinhardt says that RTG is constantly expanding its horizons and its partnership with MAN has enabled a significantly reduced technical risk, fixed maintenance costs and positively influenced RTG's trade-in value. "With the commitment from MAN to meet our service levels, I am confident our relationship with MAN will grow from strength to strength," said Reinhardt.

Dickson says that MAN developed a complete package for Chrome Carriers that will take the operation from strength to strength. "It is a privilege to be associated with such a high-profile fleet. The industry at large looks to Reinhardt Transport for best-practice benchmarks and being able to enter the Chrome Carriers fleet with such resounding success gives all of us at MAN much to be proud of," concluded Dickson. ▲



Deadly explosion rips through fertiliser plant and US town

Texas fertiliser plant explosion injured more than 200 people and killed 14 in West, Texas

A fertiliser plant in Texas exploded violently, causing more than 200 injuries and claiming fourteen lives after a fire started at the plant site on 17 April, this year.

The deadly explosion ripped through the West Fertilizer Company, destroying dozens of homes and damaging other buildings, including a school and nursing home, reported US authorities.

A nearby 50-unit apartment complex had been reduced to “a skeleton standing up, said Texas public safety department spokesman, D L Wilson. He said that about 70 homes were damaged by the explosion and a subsequent fire that followed. The United States Geological Survey registered the powerful blast as a 2.1-magnitude earthquake.

The blast, preceded by a fire that started at the plant, situated in West, a small town of 2 700 people about 130 kilometres from Dallas, Texas. Six volunteer fire fighters were among the first on the scene of the fire that broke out in the blast zone. They were purportedly caught up in the explosion and were unaccounted for in its aftermath. An undetermined

number of people had been killed and the death toll rose as search and rescue teams combed through the rubble of the demolished plant and surrounding homes.

The Federal Bureau of Alcohol, Tobacco, Firearms and Explosives sent a 20-member national response team of explosives specialists, chemists and other experts. The Chemical Safety Board, the federal entity that investigates chemical disasters, said that it had sent an investigative team to the site.

Federal Emergency Management Agency and other federal agencies join state and local efforts to make sure there are no unmet needs as search and rescue and response operations continue, reported the US government.

American Red Cross from across Texas were sent to assist in aiding victims of the explosion, reported the organisation. Red Cross spokesperson, Anita Foster, said that the group was working with emergency management officials in West to find a safe shelter for displaced residents.

US National Volunteer Fire Council (NVFC) chairman and volunteer

fire fighter, Philip Stittleburg, said, “What came to my mind when I heard about the explosion is this is a very risky business on a good day.” Stittleburg said, “There are inherent risks involved and we train very hard to determine whether risks are worth taking.” He added, “Sometimes there are hidden risks that can’t be assessed, regardless of training.”

The blast caused an estimated \$100 million in damages to homes, businesses and schools near the fertiliser plant. The dead included 11 fire fighters and other first responders who had rushed to contain a fire at the plant. West lost three of its five fire engines in the blast, including a new \$200 000 pumper.

The fertiliser plant owned by Adair Grain Inc, had only nine employees. It did not manufacture any products, but instead stored and sold agricultural chemicals and fertiliser to farmers. The company stored substantial amounts of chemicals used as commercial fertilizers that can become explosive under proper conditions. Ammonium nitrate stored at the plant detonated causing the massive explosion, reported US officials. ▲



More than 1 000 garment workers died in the Bangladesh building collapse

Death toll from Bangladesh building collapse soars above 1 000

The death toll from the collapse of a garment factory complex on the outskirts of Bangladesh in the town of Dhaka rose to more than 1 000, as rescue workers continued to remove bodies from the rubble a fortnight after the disaster, which took place on 24 April 2013.

Rescue workers switched to heavy construction equipment in order to sift through the mountains of rubble more than a week after the disaster in the hope of finding any survivors. About 2 000 people were working on the upper floors of the Rana Plaza factory, in the suburb of Savar, when the collapse occurred and it has been reported that close to 5 000 garment workers were in the building as a whole on the morning of its collapse.



Rescue efforts for survivors in the Bangladesh continued a fortnight after the building collapsed

More than 2 400 were pulled from the building in the first few days, but after more than two weeks, the stench of decomposing bodies hindered rescue efforts. An unspecified number of dead and dying workers lie buried under the rubble and recovery workers, who were drawn from the ranks of the army and fire services, had to wear masks to mitigate the stench in the air. Dhaka officials overseeing the disaster operation said a total of 2 437 people were rescued from the ruins of the building. Bangladesh Brigadier, General Siddiqui Alam Sikder, told media that cranes and bulldozers were used to clear debris on the third floor and the stench of bodies trapped in the lower floors and under the beams suggest the toll would rise.

Garment workers in Bangladesh took to the streets in a protest against the collapse of the eight storey building that housed several garment factory operations, setting fire to furniture from a police control room. Locals and family members of the missing workers clashed with police and army soldiers, protesting the slow pace of the rescue work that was perceived to be lacking in coordination, reported an international media agency.▶

SAPS invests in communications technology system in Gauteng

The South African Police Service (SAPS) has entered into a three-year contract with South African technology company, Altech Group that will see the company maintain and upgrade its Tetra radio network in Gauteng.

Altech Group subsidiary, Altech Alcom Matomo, will be responsible for providing the SAPS with Motorola two-way communications equipment, upgrading the Tetra infrastructure and software, and ongoing maintenance of the radio network.

"Good communications are critical for the SAPS to do its work properly and efficiently. Officers on the ground need to be in constant communication with their stations via in-vehicle and handheld radios, using a network that is always secure and reliable," says Altech Group executive director, Tim Ellis.

"Tetra provides them with that platform, but it is essential that the network is up to date, well-maintained and serves their requirements. This is where Altech comes in, to ensure officers in Gauteng have the communications resources they require at all times," adds Ellis.

Altech notes that the contract, which was signed at the end of 2012 following a lengthy tender process, has

delivered an order to Altech for hardware and software upgrades, and monthly network maintenance.

Ellis says he is proud of the department's commitment to implement world-class infrastructure to maintain law and order. It is vital for the private sector to support the police in their efforts to combat crime in SA, states Ellis. "It is unrealistic to expect our police service to address crime on its own. Just as police officers on the ground need the active support and assistance of the public to address and prevent crimes, so SAPS as an organisation needs the unwavering support of the private sector to meet its infrastructural and operational requirements."

"The Altech Group is thus thrilled to become a partner of SAPS, and have the opportunity to offer world-class expertise and service to our men and women in blue in Gauteng, South Africa's commercial and industrial heartland," states Ellis.

"By providing them with the communication tools they need, and ensuring that the Tetra network is fully functional at all times, we are an active participant in efforts to make the province a better and safer place for all its citizens and that, truly, is something to be proud of," he concludes. ▲

► Meanwhile, the Bangladesh government announced a high-level inspection of thousands of garment factories for building flaws amid concerns that western clothing labels may turn their back on Bangladesh.

Local authorities planned to pursue murder charges against the owner of the factory, who ignored building codes and safety measures when he illegally added three floors to the top of the structure and allowed tenants to install heavy equipment. Engineers say the building was not designed to hold manufacturing equipment, since it was originally meant to be a mall, adding that rumbling from large generators and machinery contributed to the weakening of the building.

The owners of some the businesses may also be held responsible for sending workers back into the building even after structural problems were discovered. Murder convictions in Bangladesh can result in a death penalty.

Bangladesh's booming garment industry is one of the country's biggest employers and foreign exchange earners, but has been plagued by fires, building collapses and other accidents for many years despite a drive to improve safety standards. In November 2012, 112 workers died in a blaze at a factory in a nearby suburb, putting a spotlight on global retailers that source clothes from Bangladesh. ▲



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About 260 people were injured and three died in the Boston Marathon bomb blasts

Boston bombing

results in three deaths and multiple amputees

Numerous people were injured when two bombs were set off near the finish line at the Boston Marathon in the US, which resulted in three fatalities, including that of an eight year old boy.

The twin bomb blasts injured more than 260 people, who were treated at nearby hospitals in the days after the explosion. There were 17 patients in critical condition and a further 25 in serious condition, with at least eight of the patients being children, according to hospital officials.

US law enforcement officials stated that initial tests showed that no high-grade explosive material was used, suggesting that the packages used in the attack were crude explosive devices. Many of the injuries were caused by a lot of small metal debris, according to Massachusetts General Hospital trauma surgeon, Peter Fagenholz.

The blasts were about 45 to 90 metres apart near the finish line and at least one other explosive device was found and dismantled soon after the initial bombs struck Boston, according to Boston Police Commissioner, Ed Davis. Two other exploded devices were found; one at a hotel on Boylston Street near the bomb site and the other at an undisclosed location in the area, reported US officials.

Emergency workers and national guardsmen assigned to the race for crowd control immediately attended to the injured, climbing over and tearing down temporary fences to get to the blast site. Troops from the Massachusetts National Guard, already at the site as part of the marathon's security and crowd-management plan, were assisting police in the aftermath of the attacks, while the FBI, US Department of Homeland Security, the US military and Massachusetts

State Police formed a combined investigation and search operation for the suspects.

Several of the patients treated at the hospital in the aftermath of the bombs blasts, suffered injuries to lower limbs that required serial operations, said Fagenholz. At least 10 people had their limbs amputated, according to media reports.

Dr Natalie Stavas, a paediatric resident at Boston Children's Hospital, was running in the marathon with her father and was nearing the finish line when the explosion shook the street, reported a US media agency. "The police were trying to keep us back, but I told them that I was a physician and they let me through," she recalled in an interview. Dr Stavas first performed cardiopulmonary resuscitation (CPR) on one woman. Then she tried to help a woman with an injury in her groin area and then a man who had lost his foot. At this ▶

British search and rescue aircraft sold to the highest bidder

Britain's search and rescue helicopter services announced in March this year, that it would be selling its aircraft fleet to United States-based Bristow Group in a 1,6 billion Pound Sterling or \$2,4 billion deal.

The deal effectively ends 70 years of the British military's involvement in saving lives at sea and on land, reported an international media agency.

The British Department for Transport stated that handing the contract to Bristow, which already provides some services to the state, would cut response times by four minutes to an average 19 minutes and increase the high-risk areas reachable within 30 minutes.

"With 24 years of experience providing search and rescue helicopter services in the UK, the public can have great confidence in Bristow and their ability to deliver a first-class service with state-of-the-art helicopters," said Department of Transport secretary, Patrick McLoughlin.

Under the new contract, 22 helicopters, comprising 10 Sikorsky S92s and 10 Agusta Westland AW189s, will operate from 10 locations around Britain when the new service is fully operational in 2017.



British government said that the time had come to change its aircraft

The Royal Air Force and Royal Navy Sea King helicopters, whose pilots include Prince William, had been in operation for nearly 40 years, the government said, and the time had come for a change in aircraft.

Britain's Ministry of Defence (MoD) said that existing military aircrew, including Queen Elizabeth's grandson Prince William, who is second in line to the throne, are likely to be redeployed elsewhere.

Prince William, who became a fully operational Sea King helicopter pilot in 2010 and currently works at a base in north Wales, was due to end his search-and-rescue tour in 2013.

"If his tour is extended by a further three years he may be affected, but like all other military personnel he would be redeployed at the discretion of the RAF," an MoD spokesman said. ▲

► point 'ambulance started coming in by the dozen', she said.

A number of people were taken to Massachusetts General Hospital and several had lost their legs, said the hospital's chief of emergency services, Dr Alasdair Conn. "This is like a bomb explosion we hear about in Baghdad or Israel or other tragic points in the world," he said.

US law enforcement officials stated that initial tests showed that no high-grade explosive material was used, suggesting that the packages used in the attack were crude explosive

devices. Trauma surgeon, Fagenholz, said that many of the injuries were caused by a lot of small metal debris.

Meanwhile, the administrator of a fund created to help the victims of the Boston Marathon bombing said that their compensation expectations should be lowered. The \$28 million One Fund Boston won't pay out nearly enough to fully compensate the families of the three killed or the more than 260 injured, and may not pay much of anything to those with less serious injuries, said attorney, Kenneth Feinberg, in a public meeting. The One Fund Boston was nearing \$28,5

million in donations, with about \$11,5 million coming from the public and \$17 million from corporations.

The draft plan for distributing the money would reserve the highest payments for the families of the three individuals killed in the bombings, Krystle Campbell, Lu Lingzi and eight-year old, Martin Richards. The family of MIT police officer Sean Collier, who was shot to death by the bombers in an alleged shootout with law enforcement and those who suffered brain damage or double amputation of limbs, also have top priority in the distribution of the funds. ▲



Back row - Dr Cleeve Robertson, director of WCG Health EMS and WC Health minister Theuns Botha; Front row – Professor Craig Househam, WC Health department head and Werner Kapp, Dimension Data regional executive

WC Government invests R256 million to improve EMS technology

A five-year information and communication technology (ICT) contract worth R256 million has been awarded to information technology services company, Dimension Data, by the Western Cape Government (WCG) Health's Emergency Medical Services (EMS).

On 17 April this year, WCG Health's EMS and Dimension Data signed the ICT contract, which is expected to improve the quality of service delivered in EMS call centres and positively change the operational response times of ambulance and rescue units.

Western Cape Minister of Health, Theuns Botha says, "This R256-million contract is a major investment in EMS infrastructure. The technology will certainly accelerate our emergency vehicles reaction times and I look forward to seeing how the new system transforms EMS in this province."

The five-year project will be applied in a three-phase fashion, with the start of the first phase intended to be implemented in the 10177 Cape Town call centre by November this year. The first phase will include the upgrading of the current communication aided dispatch (CAD) technology and infrastructure. Once the project is complete, all six call centres in the Western Cape should provide fast and efficient data capturing and quick dispatching of emergency resources to incidents, reports the WCG Health EMS.

"The award of the EMS business solution represents four years of diligent analysis and research into ICT applications that are both innovative and appropriate to the unique environment facing EMS practitioners in South Africa," says WCG Health EMS director, Dr Cleeve Robertson. He says, "This has resulted in one of the most comprehensive and technologically advanced EMS business solutions in the developing world today. The

primary objective of the system is to get ambulance response to emergencies in the shortest time possible."

The contract awarded to Dimension Data, which is a leading South African IT solutions provider, comes off a promise to deliver a product that speaks to the heart of health with purposeful focus on patient centeredness and in customising the ICT Solution to meet the needs of the Western Cape citizen, reports WCG Health EMS.

"Quality health care is essential to human welfare and sustained economic and social development," states Dimension Data regional executive for the Western Cape, Werner Kapp. "Earlier this year, Dimension Data was recognised by the world's leading research firm, as a global leader in our 'ability to execute'. We will use the skills we've built up over decades to deliver this ground-breaking solution to the Western Cape Health and Emergency Medical Services," says Kapp. ▲



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Emergency housing solution reduces disaster impact on Communities



Rural Metro's emergency housing can be easily assembled and delivered to any location in SA

A cost effective emergency housing solution forms part of Rural Metro Emergency Management Services offering to the fire and disaster management industry, fulfilling a need for communities that have suffered the loss of their homes owing to flash floods, wildfires and other inclement weather conditions.

Rural Metro MD, Chris Gilbert, says, "During 2008, we started to investigate the viability of an emergency shelter that would not only provide better protection, but would also restore the dignity of the people that occupy them." He says, "The cost of the structure was a factor in deciding

on this form of disaster management application as well as the fact, as opposed to that of a tent, this structure is durable, reusable, easy to assemble or dismantle."

Rural Metro's emergency housing solution is a lightweight, durable, cost-effective structure that can be easily assembled and dismantled in less than an hour. The unit is designed in a modular form, made of zincalume, which is non-flammable (fireproof) and corrosive resistant. It has three windows with burglar guarding and the door can be locked on entry and upon exit and included is a 17-square metre timber floor. The structure is a maintenance free solution that

cannot crack, warp or rot and is vermin and pest proof. In addition, minimal building space is required and it can be erected on any level surface. Optional extras include solar lighting, a gel stove and a portable radio and cellphone charger.

Gilbert mentions that the company has donated a number of these units to communities affected by disasters within KwaZulu-Natal. The company was awarded a national tender by the Department of Rural Development and Land Reform to manufacture and install 830 of these emergency shelters and he highlighted that this project was effectively concluded. ▲

US air tractor delivered to Argentina fire contractor

Argentinian aerial fire fighting organisation, Alaire AeroFlight SA, recently took delivery of a Fire Boss aircraft, manufactured by US agricultural aircraft manufacturer, Air Tractor Inc for use in its year-round wildfire control services throughout the South American country.

Alaire AeroFlight SA, based in Lincoln, Argentina, which operates

the largest fleet of AT-802F air tankers based in Latin America, added the new air tractor AT-802F Fire Boss to its fleet. The Fire Boss is equipped with 'amphibious floats' that enables the aircraft to scoop 3 000 litres of water in 12 to 15 seconds and fight fires in as few as 20 to 30 seconds. The AT-802F can drop an initial load of retardant then remain close to the fire by scooping water from a nearby lake.

The AT-802F Fire Boss is the product of an alliance between Air Tractor, the world's leading agricultural spray aircraft manufacturer and Wipaire, the world's largest aircraft float manufacturer.

After a transcontinental flight, Air Tractor Inc's first South American delivery of an AT-802F Fire Boss amphibious water scooper was successfully and safely delivered to its new owner in Argentina. The Fire

Boss would be stationed at different wildfire-prone areas as the country's fire season progressed northward from the Patagonia region in the south of Argentina. The Fire Boss specifications met the requirements of Alaire AeroFlight whose owner, Orlando Dario Colombi, required a fast-responding water and foam single-engine air tanker that could pick up water from nearby lakes and rivers.

A comprehensive Fire Boss ground school and in-flight seaplane training was conducted for two Alaire AeroFlight pilots prior to the delivery of the Fire Boss.

Dario Colombi was pleased with the performance of the aircraft. "With four AT-802Fs already in our fleet, we know what kind of performance we can expect from our new Fire Boss and we are very eager to put it to work," he said. ▲



The new air tractor AT-802F Fire Boss



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A bell 407 helicopter fitted with a full mobile ICU capacity for HEMS in North-West



HEMS programs rolled out nationally

Prehospital helicopter emergency medical services (HEMS) care has taken off across South Africa, with the State rolling out HEMS programmes in five provinces in a national tender process.

South African national emergency medical care services network, ER24, was awarded three of the five tenders that it manages in a working cooperative with aircraft supplier as Halo Aviation. ER24 and Halo Aviation set up a joint venture in applying for the HEMS tender for the North-West Province.

ER24 chief operating officer, Ben Johnson, says that the tender process is based on a procurement HEMS contract and agreement with government. "Halo Aviation and ER24 set up a joint venture and we bid on the HEMS tender. The government contracted private companies to provide expertise on behalf of the state. We provide the helicopter and pilot, as well as the equipment and one medical crew and Government provides a second medical crew," explains Johnson.

The North-West Province HEMS tender was awarded to ER24 and Halo Aviation in April last year. However, it has taken a year since the service became operational. "The tender was awarded on 1 April 2012. There was difficulty in activating the tender initially, but we reviewed the tender with government and we started the HEMS in April this year," reports Johnson.

HEMS activation

There are two processes of activating the HEMS, the first being a liaison between the municipality's emergency medical services (EMS) and ER24 medical officers. The incident or case is reviewed by EMS management at the municipality and given the go-ahead for activation.

Secondly, ER24 will activate the HEMS based upon the incident and authorisation of an ER24 medical officer,



Ben Johnson

explains Johnson. "When emergency paramedics get to the scene of an incident and if there is a need, they would call the ER24 call centre and speak to our medical officer to assess the case with a doctor. Based on the clinical condition of the patient, we activate the HEMS to the scene," he says.

The aircraft used for the region is a Bell 407 helicopter - a single engine rotor-wing that is custom-fitted with a full mobile intensive care unit (ICU) capacity. The helicopter is the first and only HEMS for the region and it is the maiden investment by the State for the region. "The need has been there and the budget has now become available. This was a national tender under the national treasury. ER24 took advantage of the tender," says Johnson.

Dedicated service

The new HEMS in North-West Province serves the region exclusively and is based in the town of Klerksdorp, which is a centralised base of operation in the province. ▶

NFPA produces a fire risk and prevention DVD

The National Fire Protection Association (NFPA) in the US, released a new wildfire digital video disc (DVD) for small and local fire departments to promote fire preparedness in communities in April, this year.

The DVD titled 'Before the smoke' and bearing the subtitle, 'Preparing your community for wildfire' emphasises partnerships between fire service and residents to reduce wildfire risk.

The NFPA reports that the DVD is aimed at small and volunteer fire departments in the wildland urban interface. In addition, it emphasises the importance of relationship-building between local fire departments and residents and how these partnerships can make a marked difference in a community's effort to reduce its wildfire risk, despite budget cuts and limited fire suppression resources.

The DVD was made available through the NFPA's wildfire safety catalogue on the internet at no charge. The video features three local fire departments whose outreach and neighbour-to-neighbour engagement allowed them to create a community better prepared for wildfire.

Selected towns in Arkansas and Minnesota in the US, took responsibility for preparing their own homes for the threat of wildfire, including creating more defensible space around their property, which resulted in less structural damage, less reliance on costly suppression activities and ultimately allowed fire departments to focus more of their fire fighting efforts in areas with the most critical need.

The DVD features interviews with local residents and fire fighters and highlights each community's struggle and its successes during the process.

'Before the smoke' introduces the concept behind a fire adapted community's initiative by federal Government,

that uses tools supported by federal and state agencies, to prepare its homes, neighbourhoods, businesses, infrastructure, natural areas and surrounding landscape for wildfire. The DVD highlights the role that the fire adapted communities initiative plays in connecting residents to organisations and programs that can help with a community's specific wildfire mitigation needs.

These resources include the NFPA's Firewise Communities programme and the International Association of Fire Chief's (IAFC) 'Ready, set, go!' Programme in addition to information about community evacuations, wildfire codes and standards and other tools.

The non-profit organisation, NFPA, founded in 1896 to reduce the worldwide burden of fire and other hazards on the quality of life, provides and advocates consensus codes and standards, research, training, and education of fire risk and prevention programmes.

NFPA develops more than 300 codes and standards to reduce the possibility and effects of fire and other hazards. All NFPA codes and standards can be viewed at no cost at www.nfpa.org/freeaccess. ▲

► The bulk of the work done is government work, says Johnson. The first emergency call that the HEMS responded to was in April this year and this was a major motor vehicle accident in Potchefstroom, recalls Johnson. He adds, "We have done a lot of inter-hospital transfers, because of the size of the province and location of hospitals in the North-West. The helicopter has been doing quite a bit of work since we started."

Johnson mentions that government is looking at introducing a Doctor Outreach programme to assist with remote areas where there is a skills shortage. "Some of rural hospitals battle with skill shortage. We would be taking out medical specialists from one facility to another rural hospital to assist patients there. This has not yet started, but we will be looking into that and doctors will become part of this process." ▲



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Northern Island blizzard victims to receive State compensation

Thousands of sheep were lost in the snow storms across Northern Ireland in March

A £5 million-plus rescue package will be offered to farmers that have lost livestock in the severe blizzard that hit Northern Ireland in March, reported government officials in Stormont, Northern Ireland.

Many farms across the Northern Island region were hit by the devastating blizzard that resulted in a loss of more than 44 000 farm animals. The Department of Agriculture said the grim figure included 30 416 lambs, 12 553 sheep, 1 159 cattle and 34 goats. The carcasses were collected in a State-funded disposal scheme.

The March blizzards is the worst snow crisis to hit Northern Ireland in decades, with most of the loss suffered being in an area known for its outstanding beauty and a major tourist attraction at Glens of Antrim in northern Antrim.

At the height of the blizzards, helicopters were drafted in to fly relief missions and deliver supplies

to farming communities left isolated in rural areas. Farmers and other rural families were among those left trapped in their homes for up to a week, after days of severe weather resulted in snow drifts of up to five-and-a-half metres high in certain areas. Helicopters from both the Royal Air Force (RAF) and the Irish Air Corps continued the operation to drop feed bales to those farms still cut off.

Farmers were unable to reach thousands of their animals that were left stranded in fields covered by deep snow, without food or shelter. A handful of animals were pulled from the snow after 24 days on their own, reported Northern Ireland officials.

Northern Ireland Stormont Executive has also agreed to pick up the tab for the disposing of the carcasses. The Northern Ireland Executive at the Stormont Castle in Belfast, where parliament convenes, agreed to pay for the recovery operation as part of a multimillion-pound aid package for

the farmers worst hit by the blizzards. Agriculture Minister, Michelle O'Neill, set out the 'terms of a hardship scheme' that was submitted to the Stormont Executive for approval. "The hardship scheme will help to mitigate the costs of the livestock losses that have been sustained by farmers arising from the snow storm," she said.

O'Neill said the scheme would operate under European Union (EU) rules and be capped at a maximum of 6 400 Pounds per farmer, including the collection and disposal costs of the fallen animals.

"Farmers who have fallen stock disposed of during the period 2 April to 19 April, 2013 by approved renderers, will be eligible for the hardship funding," she said. "The scheme will be framed in light of the information gathered on the extent and nature of losses, which we will build as farmers have stock removed and disposed of by the approved renderers," she added.▲



Mine collapse in Darfur brings worker safety into question

The East African nation of Darfur estimates that it made \$2,5 billion from gold exports in 2012

A senior official from Sudan's Darfur region in East Africa reports that five people died in the collapse of an unlicensed gold mine on 2 May this year, disputing earlier estimates that dozens more had perished.

Al-Fatih Abdel Aziz, acting governor of North Darfur state, said a government team had visited the site in Jebel Amir district, more than 200 kilometres northwest of the North Darfur state capital El Fasher.

"One mine collapsed with 10 people inside. Out of those, five died and five were injured. We recovered three bodies, but could not get the two others because of a further

collapse," Aziz was quoted as saying by the official SUNA news agency, in early May.

A local source told media that rescue workers had not yet reached the mine pit, which the local commissioner attributes to the poor security situation in the region.

Half a million artisan miners have joined a gold rush across Sudan, according to the Darfur government, which estimates it made \$2,5 billion from gold exports last year.

Police spokesperson, Ahmed Amr, said fighting had broken out in January between two tribes over access to one mine in the Jebel Amir

area of North Darfur and authorities had closed it after several people were killed in the violence. The mining operation had since recommenced. Despite the presence of the world's largest peacekeeping mission, UNAMID, fighting between Sudan's army and rebels has continued since then, alongside banditry and tribal clashes.

A local miner told an international media agency that more than 100 more miners were trapped inside the goldmine Jebel Amir. The miner said nine rescuers disappeared when the ground collapsed around them, while conducting a search and rescue operation at the site. Eight bodies were pulled out before the rescue was called off because it was too dangerous to continue.

A resident of El Sireaf, the main town in the surrounding region, told a media agency that he visited the remote site of the accident and found that many small mines had collapsed.

"The problem is that those small mines are so close together and if one of them falls it will affect the others. That is what happened in this mine. All the neighbouring mines collapsed," he said.

Senior Darfur officials met to discuss ensuring security of the mines and improving administration, a local news agency reported. ▲

US fire season outlook intensified by tree bugs

The US Forest Services does not expect a reprieve from the 'active' 2012 wildfire season, owing mostly to drought, as well as the infestation of tree-killing insects that have left parts of the country vulnerable to unusually fierce wildfires.

Officials said that an active wildfire season looks likely in 2013, as dry conditions has persisted in many of the areas that have been ravaged by fires last season. In addition, bark beetles have invaded millions of

hectares in western forests, creating a tinderbox of dead wood, reported a US media agency.

The US regions most at risk of wildfires include Southern California, Arizona, New Mexico, Florida and the eastern Rockies, according to the most recent fire analysis by the US federal government.

More than 3,7 million hectares of public and private land burned in 2012, which is the most active wildfire

season since 1960, according to the US Forest Service.

US Forest Service chief, Tom Tidwell, whose agency manages about 78 million hectares, said, "Our predictions for this incoming fire season are almost identical to where we were a year ago at this time."

Last year was the warmest on record for the continental USA, according to the National Oceanic and Atmospheric Administration. ▲

New forecast system helps flights avoid oceanic storms



A new weather forecast system was developed by the NCAR for transoceanic flights

A National Aeronautics and Space Administration (NASA) weather forecast system that assists flights in avoiding major storms in remote ocean regions has been developed by the National Centre for Atmospheric Research (NCAR).

The new NASA-funded prototype system developed by the NCAR of Colorado, US provides eight-hour forecasts of potentially dangerous atmospheric conditions. It is designed for pilots, air traffic controllers and others involved in transoceanic flights.

The NCAR-based system combines satellite data and computer weather models to produce maps of storms over much of the world's oceans. The system is based on products that NCAR has developed to alert pilots and air traffic controllers about storms and related hazards, such as turbulence and lightning over the continental US.

NASA reports that the development of the forecasts was spurred in part by crash of Air France Flight 447 in 2009, which encountered a complex of thunderstorms over the Atlantic Ocean. The system was funded by NASA's Applied Sciences Program, which supports efforts to discover and demonstrate innovative and practical uses of NASA Earth - science and satellite observations.

NCAR worked with the Massachusetts Institute of Technology's (MIT) Lincoln

Laboratory, the Naval Research Laboratory, and the University of Wisconsin-Madison to create the system. "These new forecasts can help fill an important gap in our aviation system," said NCAR lead researcher on the project, Cathy Kessinger. "Pilots have had limited information about atmospheric conditions as they fly over the ocean, where conditions can be severe. By providing them with a picture of where significant storms will be during an eight-hour period, the system can contribute to both the safety and comfort of passengers on flights," said Kessinger.

The forecasts, which continue to be tested and modified, cover most of the Atlantic and Pacific oceans, where NCAR has real-time access to geostationary satellite data. The forecasts are updated every three hours.

Current forecast system

Pilots of transoceanic flights currently get preflight briefings and, in certain cases involving especially intense storms, inflight weather updates every four hours. They also have onboard radar, but that information is of limited value for strategic flight planning while en route.

"Turbulence is the leading cause of injuries in commercial aviation," said NASA applied sciences program manager, John Haynes. "This prototype system is of crucial importance to pilots and is another

demonstration of the practical benefit of NASA Earth observations."

Pinpointing turbulence associated with storms over the oceans is far more challenging than it is over land because geostationary satellites, unlike ground-based radar, cannot see within the clouds. Thunderstorms may develop quickly and move rapidly, rendering the briefings and weather updates obsolete. Onboard radars lack the power to see long distances or through dense clouds. As a result, pilots often must choose between detouring hundreds of miles around potentially stormy areas, or fly directly through a region that may or may not contain intense weather.

Storms may be associated with hazardous wind-shear and icing conditions in addition to lightning, hail and potentially severe turbulence.

Forecast prototype

To create the forecasts, Kessinger and her colleagues first turned to geostationary satellite measurements to identify regions of the atmosphere that met two conditions - particularly high cloud tops and water vapour at high altitudes. These two conditions are a sign of powerful storms and strong updrafts that can buffet an aircraft, reports the NCAR.

The scientists next used fuzzy logic and data fusion techniques to 'home-in' on storms of particular concern and applied object tracking techniques and simulations of wind fields to predict storm locations at hourly intervals.

Researchers verified the forecasts using a variety of data from NASA Earth observations, including the tropical rainfall measuring mission (TRMM) satellite. "These advanced techniques enable us to inform pilots about the potential for violent downdrafts and turbulence, even over the middle of the ocean where we don't have land-based radar or other tools to observe storms in detail," said Kessinger. ▲

Johann McDermott



New ER24 base for Newcastle

South African national emergency medical care services (EMS) network, ER24, launched a new base in Newcastle in KwaZulu-Natal (KZN).

The new EMS facility became operational on 12 April this year and forms part of ER24's national EMS operations that can be found in all metropolitan areas and towns around the country. The Newcastle facility is supported by ER24's relatively new operation located in Ladysmith, which is in closest proximity to the newly launched branch in Newcastle.

The Newcastle operation came about after ER24 secured a contract with two South African medical aid service providers that have a number of clients in the region, says ER24 Newcastle station manager, Johann McDermott.

"When ER24 signed with two major medical aids as their preferred prehospital emergency care provider, it significantly increased our client base as a lot of their members are in the Northern KZN area," says McDermott. "It therefore made sense for us to extend our footprint to Newcastle in order to provide our clients and members of

the community of Newcastle with specialised prehospital emergency and interhospital transfer services."

McDermott was manager of ER24's Pietermaritzburg operation at the time of its establishment in 2008 and his experience involves 14 years of services and management services, of which 11 years were dedicated to private EMS. He will be assisted at the Newcastle base by five operational staff and he says that there are plans to expand the EMS offering in the area in order to meet the needs of the Newcastle community.

The Newcastle station manager has been tasked with the responsibility of developing the Northern KZN operations that includes Ladysmith, which is located north-west of the City of Durban. McDermott will draw on an illustrious background that includes the role of advanced life support paramedic and ER24 regional support services manager for KZN.

Newcastle has a large industrial community that is rapidly expanding, according to McDermott. He says that the EMS requirements for the regions are twofold; interhospital transfers and on scene emergency services.

"There are several interhospital transfers to Newcastle hospitals for patients that require more specialised medical care. Also, a lot of the patients need to be transferred to other hospitals in the major centres like Johannesburg, Durban and Pietermaritzburg in which the patients receive specialist care at these hospitals," he explains.

He says that ER24's service involves the provision of en route medical care that is either routine transfers or full mobile intensive care unit (ICU) transfers to the specialised medical centres.

McDermott says that the second component of ER24's work involves medical response to emergency scenarios, such as road traffic accidents and incidents, as well as residential medical emergencies and industrial or work-related emergencies.

The Newcastle base forms part of the national network that is supported by the ER24's contact centre, where trained operators take calls on the central number and coordinate in excess of 40 000 emergency calls each month.▲



US fire protection body boosts local wildfire fighting efforts

Fire industry stakeholders recently joined forces in an ICS briefing session during wildfires in the Southern Cape

US-based National Fire Protection Association (NFPA), an international leader in fire protection, has announced its formal support of the South African education and fire risk-mitigation programme FireWise, which is run by FFA Non-Profit Company (FFA NPC), allied to the FFA Group.

The efforts of FireWise in preventing the devastation of the urban edge from wildfires will be boosted by the support of the NFPA, which is a global leader in the field, reports FFA.



Protecting lives and property from wildfires is a rising concern internationally - James Shannon

The NFPA's mission is to reduce the worldwide burden of fire and other hazards by providing and advocating consensus codes and standards, research, training and education. The organisation develops more than 300 codes and standards to reduce the possibility and risk of fire and other hazards.

The two organisations have signed a memorandum of understanding (MOU) regarding the promotion of local efforts to educate people living on the urban edge about the danger of wildfire and how to mitigate the risks it poses.

FFA NPC reports that the risks are expected to increase under conditions of climate change, and as rising numbers of people leave rural areas to settle in cities.

NFPA president, James Shannon, said concerns were rising internationally about how to protect lives and property from wildfire. The collaboration between the two organisations would help to make wildfire safety information more readily available in South Africa and provide support to local initiatives, he said. "This is a great opportunity

to collaborate on a common goal – reducing the losses associated with wildfire," said Shannon.

FFA NPC MD, Val Charlton, said, "The MOU formalises the long-standing relationship that has developed with NFPA since our initial adoption of FireWise concepts in 2006." She added, "South Africa has a challenging risk dynamic because it is a developing nation with high levels of poverty, with a rural population living in areas with a high wildfire risk as well as built-up areas adjoining natural veld and protected areas."

Charlton said that almost all natural areas in South Africa require burning from time to time to maintain ecological processes. "Working with the NFPA and others in the international community allows us to share research, best practices and important lessons in our efforts to create safer, more fire-adapted communities," she stated.

FFA NPC aims to support and combine the efforts of the various role-players in implementing all aspects of integrated fire management, with a focus on the urban edge.▲

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Letaba Fire Week: Upgrading fire fighters to fire managers

The Letaba Fire Protection Association (LFPA) held the inaugural Letaba Fire Week from 15 April to 18 in Limpopo, South Africa this year that was aimed at educating and improving skills within the incident command system (ICS) to ensure that everyone speaks with the same language, reports the LFPA.

The theme of the fire week was titled 'From fire fighter to fire manager' and a well-established group of trainers from the local and international fire industry were invited to conduct training courses and share their expertise. The event was attended by farmers, foresters, senior managers, disaster managers and foreman, among other fire industry personnel and stakeholders.

The three-day course was attended by a little fewer than 100 people from the local fire industry, as well as an international delegation of speakers who provided training and tutorials on international ICS best practice. The training involved three different courses taking place simultaneously, culminating in a simulation day where the different groups worked together to fight a simulated fire. The courses included initial attack, single resource and incident command training.

The Letaba Fire Week featured a key note address from retired US Forests Services deputy director of fire and aviation management, Rich Lasko, who lead a group of guest speakers that included Sondela Nature Reserve group operations director, Melgard Meyer, as well as South African motivation speaker, Arnold Mol.

Other prominent trainers at the fire week included Overberg District Municipality fire chief, Reinhard Geldenhys, FFA



A group of international and local trainers conducted courses in ICS during Letaba Fire Week

Training senior veld and forest fire management trainer, Stephen Devine, Mpumalanga Fire Protection Association manager, Trevor Wilson, as well as FFA Training senior trainer for dispatch and coordination, Michelle Kleinhans, all of whom led the ICS training courses.

Initial incident command training was conducted by a group of fire professionals from the local and international industry. This included US Forests Services smokejumper program manager, Sarah Doehring, as well as FFA Training project training manager, Fred Magope and FFA Training senior veld and forest fire management trainer, Hew Smithers.

Smithers commended the LFPA for staging their training initiative, saying, "The Letaba FPA has a great group of people, different companies all combined to overcome one common threat, support and team work like that is inspiring and a fine example to other FPA's how to do it."

"I too feel that I probably got more out of the training than some of the students. I appreciate all your help in making this happen," said Doehring of the US Forests Services, after the Letaba Fire Week.

The vision for the Letaba Fire Week, according to the LFPA, was to have an ICS team consisting of all three levels of training for each sector in the Tzaneen, Limpopo area. The LFPA reports that through the Letaba Fire Week, it strived to achieve a unified command structure where everyone knows who is responsible for integration with State departments and other stakeholders and to build trust and relationships between all parties involved in fire fighting, reports the LFPA.

Training was provided based on registered South Africa Qualifications Authority (SAQA) standards, although there were courses not accredited with SAQA, as it was modified to fit the needs of the region and the trainees, reports LFPA. ▲



Melgard Meyer, Sondela Nature Reserve group operations manager; Richard Lasko, retired former US Forests Services deputy director for fire and aviation management; Trevor Phillips, Mpumalanga Fire Protection Association manager; Arnold Mol, South African Motivation Speaker; Jean Du Plessis, Morajane Attorneys Incorporated

SA helicopter crash claims four lives



Lance Cooper

South Africa's (SAs) Lion Sands Private Game Reserve CEO, Nicholas More and former CEO of SA forest and sawmilling company York Timber Holdings, Lance Cooper, were involved in a helicopter crash that killed all people on board in April, this year.

The crash followed a similar tragedy in which five soldiers from the South African National Defence Force (SANDF) were killed in a helicopter crash in the Kruger National Park on 30 March.

The other two people that died in the Robison R44 helicopter crash were Pierre de Villiers and Elsmarie Martins. More was the pilot of the aircraft that crashed in the Schoemanskloof

Valley, killing all four people on board. Mpumalanga police spokesperson, Colonel Leonard Hlathi, said, "The helicopter was reported missing around 08h00 and we were later informed that it had crashed in the Schoemanskloof valley close to the Bambi Hotel on the N4."

Friends confirmed that the group were on their way to attend meetings in Johannesburg. "All four passengers - three men and one woman were confirmed dead upon the police's arrival at the scene," said Hlathi.

A reporter in the Lowveld area, Nicolene Smalman, who was at the scene after the crash, confirmed that the helicopter crashed on the Sondagskraal farm, about four

kilometres from the N4 highway in Mpumalanga.

According to Roger Mortlock, the pilot's flight instructor, the aircraft departed from Casterbridge in White River 06h00 and not from the old Nelspruit airport as per the filed flight plan.

The accident is believed to have occurred an hour after departure at 07h00. Mortlock says the aircraft was expected at Grand Central Airport in Gauteng at 08h00. He was notified that the helicopter never arrived and phoned the pilot's mobile phone, which rang at the time. It was traced to the wreckage. Mortlock described More as a very cautious pilot.

Police officers from Nelspruit, Machadodorp, Lydenburg and Badfontein were called to the scene, as well as N3 Fire and Rescue, Mpumalanga EMS and Netcare 911 paramedics.

A close friend of Cooper, Francois Lourens, said that both Cooper and More's families were devastated by the news. "You never expect a loved one to die in a helicopter crash. It was very unexpected and the families are devastated," said Lawrence.

More was well known in environmental circles for establishing the 4 000 hectare Lion Sands Private Game Reserve, situated in the world famous Sabi Sand Game Reserve close to the Kruger National Park, in 1999.▲

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Fire crew sizes have a possible impact on occupant survivability, safety and property protection

Fire fighter crew size impacts high-rise fire response

A consortium of public-safety organisations in the US unveiled a study that uses field and computer-modelling data to determine the minimum high-rise fire crew size.

The study establishes a technical basis for the deployment of resources to fire ground events with varying levels of underlying hazards. In addition, it will be used to update the next edition of National Fire Protection Association (NFPA) 1710, a US national standard for the organisation and deployment of fire suppression operations.

"This study was conducted as we watched nationally and in Canada, decision-makers cut fire department resources with little knowledge of the impact or ramifications of their cuts," said International Association of Fire Fighters, Lori Moore-Merrell, co-principal investigator, in a press conference. Moore-Merrell said that participants in the study helped the study in its determination of the minimum crew-size standard in response to high-rise fires.

Funded by the Federal Emergency Management Agency (FEMA), the study was led by the National Institute of Standards and Technology (NIST) in partnership with 13 Washington DC area fire departments, as well as other fire and industrial research groups in the US. Researchers took into account the growing rate of high-rise building construction in the US and collected data to quantify the impact that different fire-crew sizes had on occupant survivability, fire fighter safety and property protection. According to the report, having a five-member crew has a dramatic effect on the crew's ability to protect lives and property.

The report found that when responding to a medium-growth-rate fire on the 10th floor of the high-rise structure, a three-person crew ascending to the fire floor confronted a blaze that is almost 60-percent larger than the fire faced by a six-member crew, which would start extinguishing a fire roughly three-and-one-half minutes earlier. Field studies were conducted in a 13-storey

vacant high-rise office building in Crystal City, Virginia and involved 48 separate controlled experiments and computer modelling.

In addition to the time-to-task portion of the study, fire modelling was used to correlate time-to-task completion by crew size, alarm size and vertical-response mode, to the degree of toxicity of the structure environment for a range of fire growth rates.

National Fallen Fire fighters Foundation chairman, Dennis Compton, who is a retired chief from the Mesa Fire Department in Arizona, US said, that the results and conclusions will inform local fire chiefs and elected officials charged with matching fire risks in a community with a safe and effective fire department deployment configuration. "The most important thing about this study is it is going to assist fire chiefs, union officials and, just as important, city, county and district managers and elected officials in making informed decisions about the resources we send to those events," noted Compton. ▲

Syrian rebels set fire to oil wells

Syrian rebels set fire to oil wells

Three oil wells in the north-western city of Aleppo, Syria were set on fire in March this year, allegedly by rebels trying to topple the government in the war-torn country, reported international media.

In the east, the Syrian Arab News Agency (SANA), said rebels had set fire to three oil wells in the province of Deir al-Zour, causing a daily loss of 4 670 barrels of oil and 52 cubic meters of natural gas. It accused the rebels of setting the fires after fighting among themselves about how to divide the oil.

SANA said rebels have burned a total of nine wells in recent months. The three set ablaze in March this year, were the only ones still burning.

Rebels were also responsible for heavy shelling in a neighbourhood in Aleppo that sent civilians fleeing for their lives. The conflict does not seem to be any closer to a resolution after two years of unrest, as rebels fight to topple the country president, Bashar Assad.

Rebels battling Assad have seized large areas of territory in Syria's oil-rich east, including a number of oil fields. Although they lack the ability to exploit them, their loss represents a setback to the cash-strapped government they are trying to overthrow.

Observatory for Human Rights, based in Britian, said civilians were vacating the Sheikh Maqsood neighbourhood of Aleppo under heavy shelling by government forces. The Observatory, which relies on a network of contacts inside Syria, said four people, including two children, were killed in the shelling.

The Syrian government and the opposition blamed each other for killing a group of people found dead near the Lebanese border. The Observatory said the bodies of 11 people, including eight women, were found near the town of Talkalakh in Homs province, Syria. The group said they were killed when government forces stormed the area. However, SANA blamed rebels for the incident saying

they stormed the area, killed 10 people and looted homes and shops.

In another development, the head of the Syrian opposition's umbrella body said the group's military chief planned to visit Arab countries to solicit military aid. The trip follows a declaration last week by the Arab League that its member nations have a "right" to aid the Syrian opposition.▲

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EMS film starring ER24 paramedics

Paramedics were chosen for their distinctive service in a new film produced by ER24

Emergency medical services (EMS) paramedics in South Africa are featured in new short-film titled, 'We all need a hero', which showcases the day-to-day emergency service activities of paramedics and how they deal with trauma.

The film seeks to honour EMS personnel that generally do not receive recognition for their 'selfless acts' that make a difference in many people's lives, reports South African EMS company, ER24.

ER24 communications manager, Werner Vermaak, says that the video production is a 'behind-the-scenes' presentation of emergency scenarios. "Our hope is that we can show how different services work together and that ER24 is not just an ambulance company, but a holistic emergency services company," says Vermaak.

The main characters that appear in the film are paramedics who have been recognised for their distinctive service in the industry. The different levels of emergency medical care

are showcased in the film and this includes basic life support through to advance life support, as well as rescue technicians.

The concept and idea for the film was birthed within the ER24 camp and is produced in partnership with video camera manufacturer, GoPro. ER24 approached GoPro South Africa, whose official slogan is 'Be a hero', to collaborate with the organisation on the film concept.

ER24 and GoPro, subsequently, launched an awards initiative to honour paramedics and civilians for their exceptional service and bravery. "About a year ago we launched the GoPro 'Be a hero' Awards, where any member of the public can nominate a paramedic, or a paramedic can nominate a member of the public for their bravery," explains Vermaak.

The film is a continuation of ER24 and GoPro's 'Be a hero' campaign and will showcase the EMS process from the moment an emergency call is received at an emergency contact centre to trauma and counselling processes.

The film will be distributed within the ER24 camp to internal staff, before being disseminated in the public domain. However, it will be made available to the public and various media agencies, including on the World Wide Web, where it will be available for streaming and downloading.

"This is the first project of its kind for ER24 and we are very excited about it," says Vermaak. He adds that ER24 will look at producing similar film projects in the future, in order to present new areas of the business as well as feature different EMS personnel that have excelled within ER24.

Film production company, Ararat Productions, was contracted to produce and create script for the short-film. It features 30 ER24 personnel, who were guided by a production crew made up of professional actors, directors, producers and cameraman. While ER24 will not disclose the exact budget for the production, it is estimated to have cost over R500 000 to produce the short-film.▲

Local company draws on expertise of fire apparatus guru

Fire fighting equipment manufacturer and engineering company, Fire Fighting Equipment Africa (FFEA), recently tapped into the expertise of US-based consulting firm, Fire Apparatus Consulting Services, to improve operations at its Potchefstroom plant in North-West Province, South Africa.

Fire Apparatus Consulting Services founder and president, Alan Saulsbury, a fourth-generation fire fighter provides a turnkey consulting service to organisations in the global fire apparatus industry.

After attending a fire industry expo hosted by local fire and rescue management company, Fire Raiders, a few years ago, Saulsbury was invited by FFE Africa to return to the country to provide recommendations for improvement at FFE Africa manufacturing plant in Potchefstroom.

Saulsbury says, "I was invited back to analyse, criticise, improve and make recommendations for improvements for management to sales and marketing, engineering and design, product quality control and testing at FFE Africa."

The fire protection engineer and graduate from the Oklahoma State University of Fire Protection in the US, visited FFE Africa's plant in mid-March this year. FFE Africa managing director, Marius Koekemoer, says Saulsbury's visit to the company is set to make a huge impact on the organisation.

He says, "It will completely transform our manufacturing methods and models." Koekemoer says that he was able to view Saulsbury's work with an international company before inviting him to FFE Africa. "I witnessed his achievement in Dubai with another company in January this year. We realised that we need to get him here," says Koekemoer.

After serving as president of the family-owned, Saulsbury Fire Apparatus, for more than 40 years and being active in the National Fire Protection Association (NFPA) in the US for over 30 years, Saulsbury has developed a tried-and-tested professional consulting service to the fire industry.

"Normally, when I visit companies like FFEA, I give them six short term and attainable goals – I am not there to change their culture, but give recommendations for problems they have." Saulsbury adds, "You cannot change the 'operating culture' of a company. Every company has its own identity and standard-operating-procedures and you cannot change that. You have to carefully adapt and modify."

Background

Saulsbury lead his family-owned fire apparatus company, Saulsbury Fire Apparatus, for four decades, initially



Every company has its own culture and identity, said Alan Saulsbury

working as a fire fighter and following the footsteps of his father who was a fire chief in New York State, US. Saulsbury Fire Apparatus was a leading manufacturer in specialty vehicles and pioneered stainless steel rescues, rear mounted rescue pumpers and specialty vehicles in North America. Saulsbury was also actively involved with the Fire Apparatus Manufacturers' Association (FAMA), US for over 35 years. He served as technical committee chairperson, president and board member at FAMA.

Fire Apparatus Consulting, founded by Saulsbury, is made up of three engineers and one financial person. "With our resources we travel around the globe and help companies become better in fire apparatus production," states Saulsbury.

His work includes creating cost-cutting recommendations and improving quality, which formed the basis of his most recent work in Mexico. "Where I have been particularly focused recently has been on modular construction," he says. "By working in modular system in smaller pieces that can move through factory separately and then ultimately bringing models together."

The building of trucks like Lego's, the toy building-blocks company, improves quality and efficiency in the manufacturing process, states Saulsbury. "You can do individual modular testing. I find that the assembly goes together much quicker through modular construction."

Saulsbury says that construction of fire apparatus through the modular process is not a novel system. "We have had this in the US for about 20 to 30 years and even now it is developing even further. Production goes up," he says.

Between 2006 and 2009, Saulsbury was involved in the introduction of a new composite body construction into ▶



FFE Africa looks forward to implementing international standards at its plant operations in Potchefstroom

► the US marketplace. During this period, he established a new manufacturing facility, developed sales and a distribution network and agreements with over 15 fire apparatus manufacturers, which placed units in Canada, Mexico and around the US.

International service

Saulsbury's visit to FFE Africa's Potchefstroom plant was his maiden visit to the organisation, however, Koekemoer says it will not be the old guard's last. "It is not a once of scenario, but rather the beginning," he says. FFE Africa has already implemented the recommendations made by Saulsbury to the company plant in Potchefstroom, with Koekemoer highlighting one immediate change in FFE Africa's operations saying, 'we have started manufacturing in aluminium.'

Saulsbury is presently consulting for original equipment manufacturing (OEM) services in various third-world countries around the world including Mexico, South Africa, Asia, Far East, Middle-East. He also provides fire apparatus consulting services to companies in Canada and his native US.

"I travel around the world to Thailand, United Arab Emirates, Saudi Arabia, Canada, US, Mexico, South Africa and India, providing a consulting service in fire apparatus to companies. When I travel I take thousands of photos. I bring visual ideas of improvement. Digital photos are best way to explain to people in different countries. I like to show them the problem and show them the correction - before and after," explains Saulsbury.

In providing professional consulting services in the fire industry in various countries, Saulsbury has gained insight and continually developed new ideas. He says that his aim is to provide cutting-edge technology to fire apparatus and equipment manufacturers around the world, while also making fire apparatus 'safer'. "As I go around the world, I am helping families and organisations build better and safer fire trucks while improving operations for more efficient production. So, I am known as a fire truck 'missionary'. It is my hobby and my job," he enthuses.

New venture

Saulsbury has taken on a project in the newly formed fire apparatus testing company, Live Testing Solution. He says that the company provides pump site evaluation and automated fire apparatus testing on fire trucks according to industry standards.

"Live Testing Solutions specialises in fire pump test site engineering services. We will be testing fire trucks to hopefully 'common world standards' that are evolving. Testing processes will include new fire apparatus and in-service testing at fire departments," he explains.

The company will coordinate testing in compliance with the National Fire Protection Association (US) and in the future with European Standards (EN) tests standards for apparatus. They are working in conjunction with Underwriter Laboratories (UL), which is a safety consulting, testing and certification company, headquartered in Illinois, US and that maintains offices in 46 countries.

Industry trends

Contemporary fire apparatus feature specialised units designed for specific purposes and requirements. Wildland urban interface, which refers to the zone of the transition between unoccupied land and human development, is said to push fire fighters and apparatus to the absolute limit. It requires dedicated apparatus toughness, agility, stability and the capability to deliver fire suppression, equipment and crew to fire fighting scenarios.

"In today's world we have a range of fire apparatus specifications. For wildland urban interface, the truck must have crew cabs and considerable compartment space for equipment. It will also have fire pumps and foam systems, and other general fire fighting equipment," states Saulsbury.

Other modern trends in the fire industry include the increasing prevalence of "multi-purpose and combination" vehicles. Saulsbury adds, "We are seeing less and less "actual fire related" emergencies in the world, and increasing responses to medical and rescue support incidents. This is because of smoke alarms, automatic suppression systems, fire detection and modern fire trucks and extinguishment equipment." He says, "Globally we are building 'specific vehicles' for unique fire-fighting applications."

"Worldwide, the construction of fire trucks is the best it has ever been," reckons Saulsbury. He says that there is an increasing similitude or likeness in the manufacture of fire trucks on a global scale. "So, we now don't have a US structure per say, but a global structure." He adds, "European style trucks represent 80 percent of the overall design of fire trucks in the world while only 20% represent the US style apparatus."

Saulsbury says that as a result of the increasing prevalence multinational corporations, we now are seeing 'the spread of global fire trucks' in the world. To this end, a universal standard and compliance can be achieved in fire truck manufacturing and maintenance. "The world will be more coordinated. We will be testing both new trucks and in-service trucks," states Saulsbury. ▲



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By Colin Deiner, Chief Director, Disaster management and Fire Brigade Services, Western Cape Government

The huge reliance of the majority of South Africans to use public transport (often over long distances) carries the potential risk of accidents with large numbers of casualties. The structure of many of the busses used, as well as the lack of passive restraint systems and the kinds of protection systems found in new cars, generally worsens the situation and presents rescue and medical responders with a range of extrication challenges that are not always that easy to prepare for.

The successful management of any major accident with multiple casualties is built on five main pillars:

1. Adequate response preplanning.
2. Sufficient equipment and medical rescue supplies.
3. Staff trained for bus-rescue.
4. Effective medical response capacity.
5. Effective incident command.

First responders

First arriving units will be confronted by a myriad of challenges and must give priority to an effective early size-up of the situation before zeroing in

on the screaming, bleeding patients (of which there will be many). The initial size-up must be done as comprehensively as possible as it will set the focus for the rest of the operation. If it is done haphazardly at this point, it will take a long time to get control and focus efforts where they are needed the most.

The areas on which the first arriving commanders should focus include the following:

Incident command

The first task should be to establish a strong and visible command. There will be a number of responding agencies who each have their own priorities. It will be difficult to try to establish a command structure and get everyone to work within the structure if it is being done for the first time on the scene. Response preplanning must include all responders, including private ambulance services, traffic control services and police. It will probably not be an easy meeting and I don't wish to enter into a discussion on who is responsible for what here. Suffice to say that it must be agreed to and adhered to

before the incident. Secondly, once a standard operating procedure is developed, every single responder must understand where they fit into the structure and what is expected of them. This should allow everyone to seamlessly augment one another and create a relatively painless establishment of command.

Hazards

Prior to approaching the accident scene, efforts must be focussed on identifying and securing all visible and perceived hazards. This includes fires, downed electrical lines, fuel/oil spillages and unstable vehicles. The instability of a heavy vehicle such as a bus, could override all activities in certain circumstances. An overturned bus with all its roof pillars collapsed is probably the biggest nightmare (second to a submerged vehicle) any rescue team could face. Stabilisation should not be as big a problem initially, but will start to become more prominent as the rescue efforts increase. Cutting holes into the sides of the bus could cause severe instability and it will be important to check vehicle stability at regular intervals. ►

- ▶ Weight and height are instant challenges to rescuers when working with busses. Understanding weight is important to properly stabilise the vehicle.

The windows are generally fitted with laminated glass and are typically held in place by a gasket. It can be removed by pulling the centre bead of the gasket with a pair of pliers or small pry tool which will then allow the windshield to be removed as one piece. This reduces the small shards of glass typically produced when using a reciprocating saw or standard window saw.

Fuel tanks are typically held in place by metal bands attached to the frame and could possibly be damaged during the crash. The size of the vehicle and attached fuel tank could cause a large fuel spill that must be addressed immediately. During size-up, rescuers must pay close attention to the tank, as hydraulic oil can also be stored in side-mounted tanks that can be mistaken for fuel tanks. The hydraulic tank is typically smaller than a fuel tank and there will also be a hydraulic line that does not run to the vehicle motor.

Number of casualties

There are likely to be many casualties with a wide range of traumatic injuries. Depending on the type of transporter and demographics of the occupants, this could offer a different set of challenges. A school bus accident will obviously present a large number of injured children, while a tour bus might present the problem of foreigners who might not be able to speak the same language as the responders.

The absence of a passive restraint system could cause people to be thrown free of the bus and, depending on the type and mechanism of the accident, leave them spread over a large area. Some victims may not be immediately visible and it is important that the area is searched to ensure that all passengers are accounted for.

We have spoken about how easily an incident with many casualties can overwhelm responding agency. The solution is to call for sufficient help early. The many ways that we communicate in the modern world

would generally mean that a mass of responders will descend upon the scene very early on. Ensure that a primary and secondary staging area is identified very early on and that all incoming units are directed to stage where they can be most effectively utilised.

Primary staging is the area where first arriving units will gather. They will generally be placed in the most advantageous spot for their specific type of operations. Secondary staging refers to the area where all second response units are placed and called in, when and where necessary. This practice provides the incident commander with an organised system to identify all units



A vehicle on its wheels will require a fair amount of timber to reach the base of the body

on scene and allows the movement in and out of the accident scene in an orderly manner. It will be necessary to assign someone to manage the staging areas. This person needs to record the arrival (and capability) of each arriving unit and relay this information to incident command. As and when it is required, command will request a specific unit, which will then be released by the staging officer.

There are few situations more confusing than EMS crews transporting patients to any number of hospitals without informing incident command of their activities. A strong control must be in place for this eventuality and record must be kept of all ambulances and helicopters leaving the scene.

Contact should also be made with the receiving hospitals that should be advised to activate their mass casualty plans if they are to receive the bulk of the patients. Information on specific injuries or situations such as exposure to hazardous materials should also be provided to the hospital emergency unit.

Incident command

An incident commander will have more than just the accident scene to deal with. Uninjured passengers, media, relatives and friends who learned of the accident and onlookers will quickly overwhelm the scene and it is vital that law enforcement units on scene be deployed immediately to deal with this.

You will need to appoint a communications officer to keep relatives, the public and media updated on events and to take the pressure of you. It would be best to consider a point fairly distant from the scene itself and to direct everyone there. This might be difficult due to anxious relatives and inquisitive media but necessary and must be given some priority.

The next important step would be to establish a triage area to deal with all patients. A fair number of patients will be walking wounded and will be able to free themselves from the wreck. They will however, have to be accounted for and they should also be directed to the triage area where they can be assessed and registered. ▶



Fire fighters receive training in school bus roll-over and pinning

- ▶ The medical officer must keep record of each patient's injuries, treatment and to which medical facility they are transported (more of this later).

Equipment

A rescue evolution on a bus might require a slightly different approach to equipment than a standard light motor vehicle rescue and will require tools that can be moved into and operated in more confined spaces than standard heavy hydraulics. A lot of the cutting work will be done with reciprocating saws, which are lightweight and the tool of choice for cutting through composite panels, which normally constitute the side of a bus. Certain important issues must be noted when working with reciprocating saws:

- Always anticipate the blade path. An uncontrolled cut can lead to serious injuries. Ensure that you have enough hard protection to place between the blade and any persons in the immediate vicinity.
- Use the right blade and make sure that you have sufficient spare blades as you are likely to run through a number of them during a single cut.
- Although battery powered reciprocating saws have easier manoeuvrability than electric saws, it does tend to run out of battery power relatively fast. Either ensure that you take along enough replacement batteries or revert to the electric model.

The use of exothermic cutting equipment should be avoided due to the proximity of flammable materials and possible fuel spills. If this is the only option, ensure that the area is adequately protected on all sides before commencing with the cutting work.

The rescue rated air chisel is still the best tool for cutting through panels as there is no exothermic reaction and a much closer control can be achieved.

A wide range of additional prying and lifting tools will be needed in this multi-faceted operation and should be placed in a well-managed and easily accessible tool staging area. Any tools removed from the staging area should be returned immediately after use, as a number of rescue evolutions will be happening at the same time with the same equipment. Don't tie a piece of equipment up in an area when it may be needed somewhere else.

Stabilisation

As in light motor vehicle rescues no one should enter or touch the bus until it is adequately stabilised. Busses are large vehicles generally weighing in excess of 12 tons and require stabilisation over a larger surface. Due to their design and construction, busses also have mainly flat surfaces which will allow for a fair amount of "natural" stabilisation.

A vehicle on its wheels will require a fair amount of timber to reach the base of the body and services having access to a trench collapse unit or heavy rescue squad should consider carrying more 150mm x 150mm (6" x 6") blocks in place of the more common 100mm x 100mm (4" x 4") blocks. The larger and more stable 6x6 cribs should overcome the problem if the vehicle is on a level surface.

Vehicles perched on top of other vehicles or road barriers will offer a different challenge and could require the application of a crane truck to take up the open space which has been created by this incident. If rescuers are required to work under a heavy vehicle an on-going cribbing operation should be put in place to protect the rescue team.

Vehicle rescue struts can also be used to prevent horizontal movement of the vehicle on its side.

In passenger cars, it's a common practice to stabilise the vehicle by deflating the tyres. But when stabilising a bus, this should not happen. Due to the height of the bus a movement of 30cm on one side may cause a drastic tilt, resulting in further injury of the occupants and for the bus to be moved or towed, it will need its tyres inflated.

Extrication

Due to the lack of passive restraint systems you will most likely be confronted with patients in every conceivable position. People could be trapped by seat backs following a roof collapse in the event of a rollover. You will have to ensure that when the initial access route is made, that no one who might be trapped on the other side of the panel (and is not visible) gets injured in the process.

Consider establishing an access route and separate egress route through which to move patients that have been freed. Flow is critical; victim removal will be slowed if rescuers rush into multiple openings without leaving an exit route. Clearly mark entry and exit points during rescue operations to maintain the flow of victim removal.

If the bus is on its side, the front window can serve as the entry point and the rear window as egress. Side windows can also be used if some sort of vertical rope system can be rigged above the openings. If the bus is on its roof, use the main entrance as the entry point and the rear window for egress. These openings will largely depend on the structural integrity and positioning of the bus, along with victim location.

Doors can be jammed or heavily damaged but if it is the best route, then a door displacement using hydraulic equipment should be the best option. Should this not be possible you could use reciprocating saws to remove the entire frame.

Remember the old rule: "try before you pry". If the occupants can open emergency exit windows, doors and/or roof hatches or rescuers can access the interior through them, it ▶

- ▶ will obviously make life much easier for all. Operating locking mechanisms from the inside must always be considered as a first option.

When major metal relocation is needed, teams must totally remove the structural members to eliminate the overhead hazard.

Medical management

The medical component of a major bus accident will generally be divided into the following sectors:

Triage sector

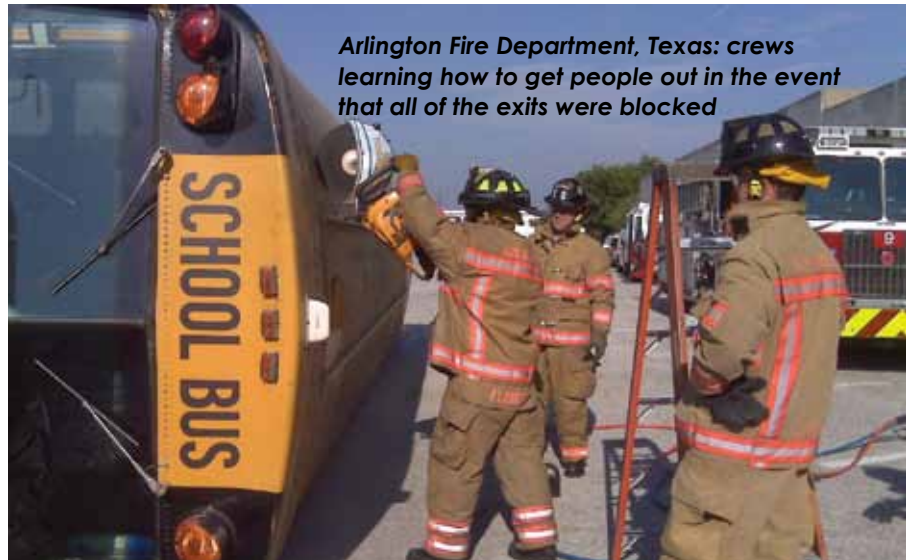
The purpose of triage is to categorise patients based on the severity of their injuries, prioritise their need for treatment and transportation and stabilise life-threatening injuries.

A senior medical officer should be placed in charge of the triage sector and this person will have the responsibility to ensure the accountability and prioritisation of every patient on scene. This will include:

- The location, number and condition of patients.
- Positioning of the triage area (in place or at the entrance to the treatment area).
- Resources required.
- Assignment and supervision of triage personnel.
- Ensure the provision of life-saving emergency medical care as needed and that patients are accounted for and tagged appropriately.
- Safety and accountability of all assigned personnel.
- Frequent progress reports to command.

The triage officer must take care to ensure that resources are prioritised and do not focus on a specific patient while others are neglected. It is here where sometimes the hard decisions have to be made to sacrifice the life of a critical patient in order to save the lives of others who might have a better chance of survival. Certainly the choice that none of us wish to have to make but that we need to be prepared for.

Patients should be triaged and tagged before movement to a treatment area. High priority patients are moved first, followed by less serious patients. Should an imminent



Arlington Fire Department, Texas: crews learning how to get people out in the event that all of the exits were blocked

life safety hazard exist however, it might be required that triage be performed away from the hot zone. In a large incident, it may be necessary to establish multiple triage locations. There should always be good communication between the extrication and treatment sector officers.

Once triage has been completed triage teams can be reassigned to the treatment sector as this will be the most personnel intensive sector.

Treatment sector

Responders allocated to this sector are responsible for the actual treatment and emergency care of the patients.

Their responsibilities will include:

- Decide whether treatment will occur "in place" or in a designated treatment area.
- Determine resources required.
- Identify and establish a treatment area. In the event of a major incident, establish separate sectors based on the priority of patient injuries.
- Ensure that all patients entering the treatment sector have been triaged, assessed and re-triaged as needed.
- Priority treatment and packaging of patients.
- Provide progress reports to incident command.
- The decision to treat a patient "in place" will be dictated by issues such as the degree of entrapment or condition of the patient. This decision should be taken in collaboration with the extrication sector chief and the triage sector officer. As soon

as the initial treatment and/or release have been achieved, the patient should be moved to the treatment area.

Transportation sector

The transportation sector will manage patient transportation from the scene to appropriate medical facilities. Their responsibilities will include:

- Provide resources.
- Establish a helicopter landing site if required.
- Determine hospital availability status.
- Coordinate patient allocation and destination with treatment sector.
- Supervise the movement of patients from the treatment area to the ambulance staging areas and helicopters.
- Maintain an accounting system of all patients and their destinations.
- Provide progress reports, allocations and estimated arrival times to receiving hospitals.

Finally

I have really only touched the surface of this complex issue. It is up to each potential responder to take the time to study the construction of the kinds of heavy vehicles that he/she may encounter and train to deal with them effectively and in a way that provides maximum survival potential for the victim. The need for some extra equipment such as reciprocating saws, air chisels, etc must be considered. Don't tie your entire rescue capability up into your hydraulics. As good as they can be, you might have to work in more than one site on a heavy vehicle and for that you need the right tools and enough of them. ▲



New fire stations planned for Potchefstroom

Tlokwe Fire Brigade section (day time personnel) with Denise the Dalmatian

The Tlokwe Municipality is in the process of building one brand new fire station, with an additional three sub-stations in the pipeline set to be built over a five-year period, in order to keep up with infrastructure and residential developments in Potchefstroom, in the North-West Province, South Africa.

Tlokwe Fire Brigade section assistant fire chief, Xolile Nxozza, confirms, "We have one new station that is already approved for erection. This station will be located in the Sarafina area. Nxozza says that the new station in Sarafina was meant to be up and running by June this year. "The intention was to have it by June this year. We now anticipate that we will have the station towards the end of the year. It will not be a big structure."

The Tlokwe Municipality is also looking to erect new sub-stations in residential and rural villages in Potchefstroom. A fire fighting personnel of 16 will be trained and recruited in preparation

for the imminent build of the fire station in the residential community of Sarafina, reports Nxozza. He says that this will include one leading fire fighter, who will report to the station officer at the headquarters in Potchefstroom's industrial zone.

Nxozza says that the Tlokwe Municipality needs to comply with the South African National Standard (SANS) 10090, which outlines definitive response times to fire incidences. "We need to respond to certain areas within a specific or required time frame. Hence, we are building fire stations in the newly developed areas. We tried to centralise the station for the community, but there have since been extensive developments in residential areas, but we are now trying to build sub-stations," says Nxozza.

Potchefstroom and the surrounding communities that the Tlokwe Fire Brigade section serves, is an area spanning 3 630 square kilometres,

which includes local farms, the city centre, residential suburbs, local townships and rural villages. Nxozza mentions that the fires that occur in the Tlokwe Municipality are mainly shack fires and grass fires, which is most prevalent in the winter fire season.

Tlokwe chief fire officer, Ditaba Semase, heads up the compact personnel at the fire brigade section that consists of two assistant fire chiefs, namely, Attie Booysen who is the assistant fire chief for fire safety and training and Nxozza, who serves as assistant fire chief of operations.

The fire brigade section has two divisional officers that head up training and operations, respectively. Further down the fire brigade section's operational structure are four station officers for operations, who manage four teams of fire fighters.

The City of Potchefstroom's fire services was first established in 1904 as ►

- ▶ a shack structure, followed by a more formal structure erected in 1912.

The station moved three times since its humble beginnings at the start of the 20th Century. The station moved to a more centralised location in the Potchefstroom city centre after 1912, and then to its current location in the Potchefstroom industrial zone in 1994.

Coexisting fire services

Tlokwe Fire Brigade section has achieved a system of inter-operability and understanding with the local fire protection association and disaster management agency, which was not always the case for the region. "In the past we had a lot of hiccups. The relationship has improved a lot," says Nxzoa.

The Tlokwe Municipality has clearly defined inter-agency operational guidelines that acts as a memorandum of understand with the South African National Defence Force (SANDF) fire services division, explains Nxzoa. The SANDF fire station, the South African Police Service (SAPS), as well as the North-West University and Denel Ammunition have fire systems that support the Tlokwe Fire Brigade section in different capacities. "We have a modus operandi with all these stakeholders," says Nxzoa. "In the event of wildfires, we have the University and the SAPS to assist us. For rescue and structural fires we have assistance from military, Denel and surrounding municipalities."

Potchefstroom experienced a drop in the number of fires reported in 2012, when compared with the previous year - a statistic that can be directly attributed to the working relationship that the fire brigade section has fostered with the local fire protection association (FPA), notes Nxzoa.

"Looking at the reduction in fire and the cooperation we had last year, the relationship with the FPA is much better. In 2011, approximately 900 fires were reported in rural areas. In 2012 we had half of that number. There is compliance with these fire services and hence we have the reduction," states Nxzoa.

Specialised functions

Potchefstroom has a national road running through a cross-section of the city, which ultimately poses its

own challenges for the municipality. "We are on a national road with a high-volume of traffic in peak holiday seasons. We have the transportation of hazardous goods through the city. We need to have skilled people to respond to hazmat and other specialised rescue and emergencies," says Nxzoa.

The fire brigade section has suitably trained hazmat personnel, who deal

Other fire fighting apparatus include five light delivery vehicles, one technical rescue vehicle, two hazmat trailers and one technical rescue trailer.

Skills shortage

The fire brigade section has experienced an exodus of qualified personnel over the past decade and, as a result, the station has needed to invest in continuous training



Xolile Nxzoa, assistant fire chief: operations and Attie Booysen, assistant fire chief: training

with the high-volume of vehicles and freight that pass through the region. The Potchefstroom dam and the Vaal River also require skilled personnel in swift water rescue and diving teams to respond to water-related emergencies. "We need to have divers. We have the Vaal River that poses a risk of flooding. In 2010 it flooded houses in the area," mentions Nxzoa.

He says that the fire brigade section is suitably able to conduct high-angle rescue, trench rescue, swift water rescue, structural collapse and hazmat.

Fire arsenal

The station is equipped with two primary response vehicles for fire safety and fire operations. Tlokwe fire brigade section has two large pumpers and three medium pumpers, as well as two water tankers, two grass fire units and one Unimog hazmat unit.

programmes. Nxzoa says that the station needs to continually train its staff in the different functions required of the fire brigade section.

"We have lost experienced and qualified fire professionals. That has affected us. We are currently upskilling our staff. We are upskilling so that we can respond to all incidents that Potchefstroom experiences," explains Nxzoa. He says that training courses and upskilling staff has a huge impact on the budget of the fire station. "We are assisted by the district municipality, who send people on courses, when we request it and when they have funds."

The Tlokwe Fire Brigade section could do a lot more as far as gender equity is concerned, says Nxzoa. "We are gender 'sensitive'," he acknowledges. "We are not complying with gender equity. We have a total of 60 fire fighters, 12 of these are females, ▶



► who are mostly in junior positions." He says that the females need to be exposed to different fire and emergency incidences that they may gain confidence and the ability to perform all the required functions of a fire fighter.

Currently, the municipality is conducting recruitment exercises for leading fire fighter positions. However, the applicants for these roles are required to be well versed with Potchefstroom and its unique challenges topography. The Tlokwe Municipality has clearly outlined policies on promotion and training its existing fire fighting personnel, states Nxozza. "So, from junior fire fighters to leading fire fighters we have a training centre, where we send our staff. We are able to send them to fire fighter one and two training courses, awareness and operations at our centre."

The Tlokwe Fire Brigade section is not yet reaching a number of stipulations on the South African National Standards (SANS) document, in terms of providing a suitable base of skilled fire fighting personnel to all emergencies, says Nxozza. "Hence, in order to ensure that we have enough

officers for shifts, we have a reservist system. To complement this, we have three officials on standby. These officers will be for second response and one needs to be a senior fire fighter, as only they are required to drive fire engines," he explains.

The fire brigade section has an equipment allocation policy based on SANS documentation. To this end, the department has an annual maintenance and acquisition framework with the Tlokwe Council for the annual provision of funds for equipment.

The fire brigade section is currently expecting two new tankers and three new grass fire units that will form part of the station's assets that is valued at R43 million. Nxozza notes that the one vehicle that is over utilised at the fire station is the large pumper, which has a dual purpose fire fighting and rescue application. "It is the only vehicle that performs two functions," says Nxozza.

At the top of the fire station's wish list, according to Nxozza, is a hydraulic platform or turntable ladder that can be used for high structures or flat surfaces. ▲

Tlokwe Fire Brigade section: Major disaster timeline

1974

Major floods in Potchefstroom – river flooded – town was divided in two halves

1998

Two Tlokwe fire department personnel died in trench rescue

2003

23 000 litres sulphuric acid spilled in town

2004

Two freight trains collided on Cape Town to Potchefstroom route

2010/2011

Vaal River overflow residential homes on banks of river

2011

Passenger train derailed

2012

Shoprite supermarket burned to ground in city – managed to save shopping centre

2013

Potchefstroom water shortage – crisis water tankers distribution



"We want all landowners on the urban edge to become part of our efforts," says Philip Prins

Stark choice could save landowners millions

By Jo-Anne Smetherham

Landowners in rural areas face a stark choice regarding the danger of runaway wildfires. They can ignore the risk it poses to their life and property – and those of their neighbours – or they can join the efforts to manage this risk, reducing it dramatically and save themselves the costs of being sued for millions.

There is a sound model for managing the risk of wildfire and a solid track record showing that this approach works.

A few years ago Dave Hodgson, a lucerne and cattle farmer in the Langkloof, lost a pipeline and his fences in a fire ignited by lightning. "I would have lost much, much more, without the Fire Protection Association (FPA)," he says. "Preventative measures were the most important thing. We had firebreaks in place, trained staff and a very well-coordinated and distributed fire fighting effort.

"Before the FPA existed and people were properly trained, there were workers going off to fight fires in plastic raincoats. Prevention can't be stressed enough."

A large number of FPAs have been formed in rural areas across the country and on the urban edge, in compliance with the National Veld and Forest Fire Act of 1998. This law outlines the responsibilities of landowners regarding wildfire, the

responsibilities of FPAs in managing fires and preventing unwanted fires, and the procedures they should follow when fires break out.

The Act states that any landowner on whose land a fire may start, or from which it may spread, must prepare and maintain firebreaks, and ensure that they have the equipment, protective clothing and trained people required to start fighting such fires.

If a fire spreads onto someone else's land, destroying his or her property, the owner of the land where the fire started, is financially liable. However, members of an FPA are usually protected from this liability, as they can prove they have taken reasonable steps to prevent the damage.

They can also take out insurance that covers the cost of professional fire fighters putting out these fires, which non-members will have to pay themselves.

The FPA is not a fire fighting force; the legislation requires landowners to have some staff trained in fighting fires, but they do this only until the official fire fighting forces arrive and take over.

Membership of an FPA can cost as little as a few hundred rand a year for private landowners, depending on the size of their property.

This fee is well worth the measures that can be put in place to prevent fires

from devastating their own properties and avert the large legal claims that could result from a fire, which ignites on their own land and spreads to destroy their neighbours' property.

Charl du Plessis is manager of the Greater Cederberg FPA, which covers 98% of the West Coast Municipality in the Western Cape and manages the risk of wildfire over a total of two million hectare of land.

The recent fires in the Cederberg Mountains would not have been vanquished without the coordinated efforts of the Greater Cederberg FPA, he says. The fires raged for weeks in inaccessible parts of the Cederberg, but the FPA prevented any damage to farmlands or infrastructure.

Like other large FPAs, the Greater Cederberg FPA is broken up into management units, to manage fires on a local level.

Another large and highly efficient FPA is the Southern Cape FPA, which also covers a massive four million hectares of land incorporating parts of the Western Cape and Eastern Cape. This FPA covers the whole of Eden District municipal area, Tsitsikamma, the Langkloof and Baviaanskloof areas.

Fire Protection Associations manage the risk of wildfire on the urban edge, as well as in rural areas. Philip Prins, manager of the Table Mountain National Park Fire Management Department, points out that all

Photographer: Bruce Sutherland



Stakeholders working together in the Southern Cape FPA.

- ▶ landowners on the urban edge of Cape Town are at risk of being overrun by wildfire.

On their own, these landowners cannot fulfil the legal obligations to prevent and fight fires. However, this is possible when they join the Cape Peninsula Fire Protection Association.

"We want all landowners on the urban edge to become part of our efforts," Prins says.

The Cape Peninsula FPA members' work in prevention, spotting wildfires and alerting the fire protection officer regularly, which leads to the suppression of blazes that would otherwise threaten property, he adds.

The FPA model has grown to a provincial and national level. There are now nine umbrella FPAs – one in each province – representing the interests of their members. A single national umbrella body, the National Veld Fire Management Advisory Forum (NVFMAF), was set up late last year to enable the provincial bodies to learn from each other, ensure that common standards are met and represent the FPAs in working with government.

The Act requires local municipalities and any owner of state land, including local and national conservation bodies such as Cape Nature and SANParks, to join their local FPA. The legislation also obliges each FPA to develop a wildfire management strategy. This strategy should include plans to coordinate their efforts with those of neighbouring FPAs, so that

they can work together to manage fires that cross their boundaries.

These experts agree that integrated fire management (IMF) is the best strategy for managing the risk of runaway wildfire, and the best-functioning FPAs have adopted IMF. This is a holistic approach that includes preventing unwanted fires through firebreaks and controlled burns; letting a wildfire burn when this is needed for the indigenous veld to regenerate; removing alien vegetation, which can fuel huge, runaway fires; suppressing wildfires that might burn down buildings or farms and fire awareness and advocacy in the surrounding towns and villages.

It is not necessary for people living in towns and villages to join FPAs, although these people can play a role by encouraging their local fire departments to join the local FPA, to form one if it does not yet exist and to practice integrated fire management.

FPAs have proven their mettle; the challenge now is improving the efficacy of those that are not functioning well and ensuring the financial sustainability of them all. FPAs are funded largely through donations in kind, such as the use of buildings and airstrips from their members and membership fees.

For FPAs to grow substantially, they need help providing landowners with resources – from radios to "bakkie sakkies", or water trucks – and the services of a fire extension officer, who explains the work of the FPA

to prospective members and gives advice and assistance.

The challenge is to increase the numbers of members within each FPA to the point where the extension officer's salary is covered.

"It's a catch-22 situation," says Paul Gerber, chairman of the Southern Cape FPA. "We need to increase our membership, but to grow we need resources."

The Fynbos Fire Project is providing FPAs in the fynbos biome with the resources to help them become self-sustaining in the long term. These resources include the salaries of extension officers. The project has many other aims for boosting FPAs in the fynbos biome, including aiding FPAs to adopt integrated fire management, improving the quality of weather data and developing incentives to encourage behavioural change among landowners and communities at risk.

The project is a multi-million Rand initiative between the South African Government, the United Nations Development Programme and the Global Environment Facility. The ultimate aim is to develop a sustainable fire management model in the face of a changing climate that can be replicated across South Africa and even in other countries.

There is no doubt that FPAs could become self-sustaining, says Peter Dorrington, manager of the Western Cape Umbrella FPA and secretary to the national body. "Some districts seem bound for failure, because the role players don't seem to want to work together. But in others, it could definitely work.

"It needs very strict management, but we already have that in our FPAs. The way they are working together collaboratively is really amazing and extremely effective."

The answer is to get every landowner who is legally responsible for fire management, to join his or her local FPA.

"We are no longer looking for a fire management model that works. We already have one," he says. "The programme really is set for success."▲

IFSEC South Africa

aims to please exhibitors and visitors in 2013

Prominent commercial security, homeland security and fire exhibition, IFSEC South Africa, looks forward to exceeding expectations when it opens in Johannesburg, South Africa in June this year, reports event organisers, UBM Montgomery.

The annual three day event will be held from 18 to 20 June at the Gallagher Convention Centre is set to entrench its reputation as Africa's largest commercial security, homeland security and fire event, as it will host close to 6 000 buyers and senior-decision makers from across the African continent and other countries internationally.

Networking

IFSEC South Africa 2013 will present a number of networking opportunities, with a multitude of visitors and industry stakeholders expected to attend this year's event.

An interactive seminar will run throughout the event alongside the exhibition as part of IFSEC South Africa's educational component, reports UBM Montgomery. The seminar will feature top local and international speakers addressing topics such as 'Business in Africa'. Other seminar topics include fire, technology, the local security landscape and how to source the most appropriate solutions for even the most challenging security applications.

Fire pavilion

After recognising the steady growth of the fire detection and fire prevention market, UBM Montgomery announces that the Firex Pavilion will be launched at IFSEC South Africa this year.

UBM Montgomery reports that a partnership has been struck with leading fire industry associations, including the Fire Protection

Association of Southern Africa (FPASA), to ensure that this new component of the show adds great value to both visitors and exhibitors.

IFSEC South Africa organisers report that the homeland safety and security Africa conference and exhibition zone, will once again provide a platform for national security stakeholders who want to learn more about the most progressive technology for cyber security, national resilience, counter-terrorism, counter intelligence, airport and border security, surveillance, mining security and the security challenges of social unrest and civil disturbances.

UBM Montgomery reports that an electronic laser simulator shooting competition will be held for exhibitors and visitors to the event, which will award the sharpest shooter with a winning prize of R10 000.▲

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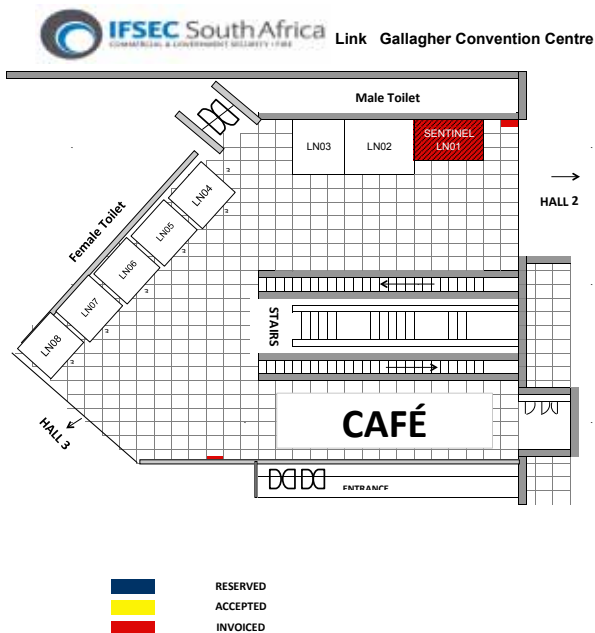
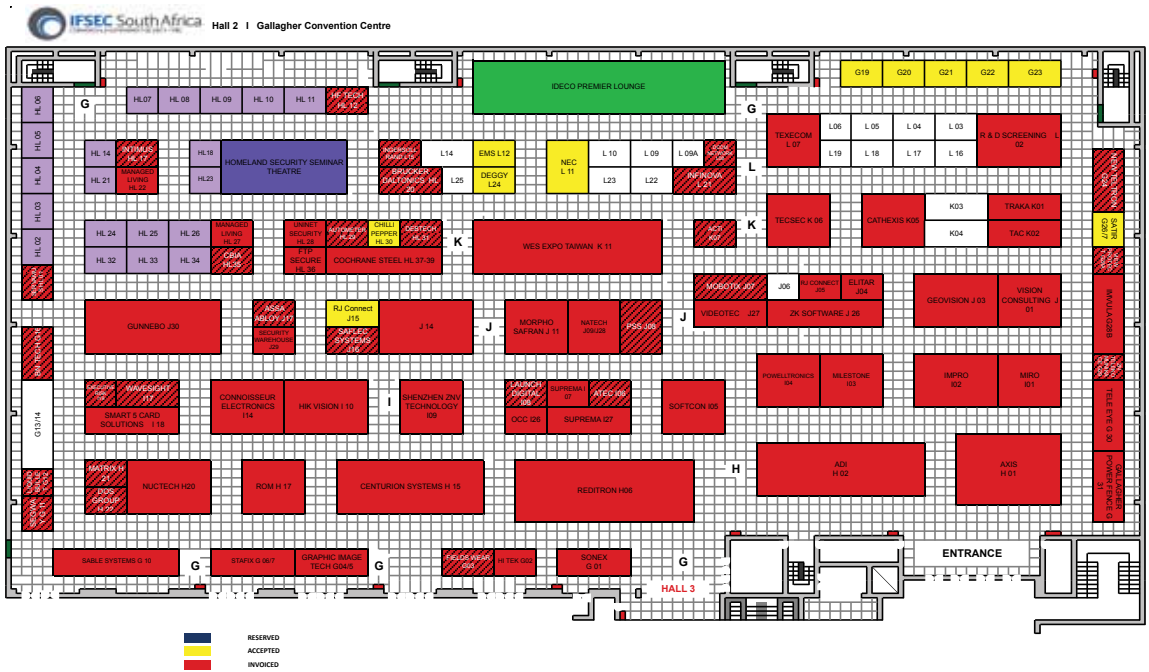
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Alphabetical list of exhibitors

Stand	Company	Hall	Stand	Company	Hall
B30	A and S International	3	G10	NJR Steel-Fencing Solutions	2
AA02	A1 Fence Product	3	H20	NucTech	2
B28	ACDC Dynamics	3	I26	OCC/Plasto-Sac SA	2
K07	ACTi Corporation	2	A32	On-Guard	3
SZ18A	Acxwell Industrial	3	K04	Oring Industrial Networking	2
H02	ADI Global	2	AA07	Pansolutions	3
B7	AIS - Amecor Integrated Solutions	3	B11	PDS - Power Development Services	3
HL18	AMD - Aerospace Maritime and Defence Industries	2	K04A	Phendula Technologies	2
B9	Amalgamated Electronic Corporation	3	I04	Powell Tronics	2
SZ16	Anhui Huangshan Foreign Trade	3	A10	Predator Importers	3
J17	Asso Abloy SA	2	AA03	Printers for Africa	3
I06	Atec Systems and Technologies	2	C04	Progroun Manufacturing	3
HL29	Autometer	2	J08	PSS Distributors	2
H01	Axis Communications	2	AA28	PwC FTS	3
AA08	Bloodhound Technologies	3	C01	Qihan Technology	3
L05	BN Tech Identify Management Solutions	2	SZ19	Q-See International	3
B31	Brooke Patrick Publications	3	B36	QT Watch	3
HL20	Braker UK	2	L02	R and D Screening Technologies	2
AA27	BTC Training	3	G13	R and S Traders	2
B33	Cassidy Solutions	3	SZ11	RAS Electronics	3
K05	Cathexis Africa	2	A28	RBH Access Technologies	3
AA06	Centro CCTV Technology	3	B37	RDC - Radio Data Communications	3
H15	Centurion Systems	2	D1A	Red I Laser	3
SZ 20	China Lonrun Di-Te (G Z)	3	H06	Reditron	2
HL37-39	Cochrane Steel Products	2	H17	Remote Offsite Monitoring	2
I14	Connoisseur Electronics	2	J15	RJ Connect	2
SZ22	Coretrade Technology	3	AA05	Safety Xpress Stromberg	3
LN08	Corex IT Distribution Dynamics	LN	J16	Saflec Systems	2
C34	Dahua Technology	3	J11	Safran Morpho	2
L08	DCOM Network Technology	2	B31B	SAIDSA	3
HL31	Debtch	2	AA26	SAS - The South African Institute of Security	3
L24	Deggy Guard Tour Solution	2	AA44A	SASA - Security Association of South Africa	3
G01	Digital ID Technologies	2	G26	Satir	2
H22	DOS Group	2	B8	Secequip	3
FD6	DoseTech	3	J29	Security and Communication Warehouse	2
K11	Dynacolor	2	B32A	Security Focus	3
AA10	Easi-Card	3	AA24	SIA - Security Industry Alliance	3
HL35	Eavesdropping Detection Solutions	2	LN01	Sentinel Guard Monitoring	LN
J04	Elifar SA	2	HL01	Servamus	2
A01 and AA01B	Elvey Security Technologies	3	SZ15	Shanghai Hygloves	3
L12A	EMS - Commend Business Hub S.A.	2	SZ10	"Shenzhen Actiontop Security Technology"	3
B31A	ESDA - Electronic Security Distributors Association	3	SZ24	Shenzhen FSAN Intelligent Technology	3
I19	Executive Risk Control	2	SZ07	Shenzhen Huanghe Digital Technology	3
G03	Fields Wear	2	SZ01	Shenzhen Jiaxinjie Technology	3
B32	Fire and Rescue International	3	A31	Shenzhen Lanstar Technology	3
AA45A	Force Products	3	I08	Shenzhen Launch Digital Technology	2
AA04	Fox Electronics	3	SZ18	Shenzhen LLT Wire and Cable	3
B10	FSK	3	SZ21	Shenzhen Olycom Technology	3
HL36	FTP Secure Solutions SA	2	SZ09	Shenzhen RDS Industrial	3
K20	Fuho Technology Co	2	SZ 25	Shenzhen SecuEasy Electronic	3
G19	G2 Security	2	SZ06	Shenzhen Shinuoqi Electronical Science and Technology	3
G31	Gallagher Power Fence	2	J01	Shenzhen Startvision Technology	2
K16	General Star	2	B12	Shenzhen Sunco CCTV Technology	3
J03	GeoVision South Africa	2	SZ17	Shenzhen Vangold	3
K12	Giga-TMS	2	SZ08	Shenzhen Wejoin Machinery and Electrical Technology	3
B05	Global Communications	3	SZ24A	Shenzhen Zhongxi Neon Digital Video	3
B24	Godrej and Boyce Mfg	3	I09	Shenzhen ZNV Technology	2
G04/5	Graphic Image Technologies	2	A12	Sherlotronics	3
SZ02	Guangzhou Aebell Electrical Technology	3	I18	Smart 5 Card Solutions	2
J30	Gunnebo, Chubb Safes and Alltech	2	I05	Softcon Software Control Services	2
A02	HAB International Fire and Security	3	A17	Sondex t/a MAMI	3
HL12	HF Technology South Africa	2	G06 - G07	Stafix	2
I10	Hikvision	2	I07 and I27	Suprema	2
G02	Hitek Security Distributors (Provision ISR)	2	HL07	Suritec	2
C02/3	ID Control	3	K02	T.A.C Products	2
Premier Lounge	Ideco Biometric Security Solutions	2	HL28	TagTron	2
AA34A-AA36A	iFacts	3	K15	Taiwan External Trade Development Council (TAITRA)	2
AA01	Imperial Armour	3	K18	Taiwan Jantek Electronics	2
G11	Imperial Green Mobility	2	AA01A	Technews	3
I02	Impro Technologies	2	A24	Techring SA	3
G28B	iMvula Quality Protection	2	K06	TecSec Distributors	2
L21	Infinova	2	G30	TeleEye South Africa	2
L15	Ingersoll Rand Security Technologies	2	L07	Texecom	2
A09	Instacom	3	A13	TID - Technology Innovated Distribution	3
HL17	Intimus	2	C18	Traceability Solutions	3
D1A	Kolskoot	3	K01	Traka Africa	2
G12	Liquid Bullet	2	A03	Transaction Control Technologies	3
FD1	LPCB/BRE Global	3	B18	TruTeq Devices	3
C23	LS Tech - Life Safety Technologies	3	J14	Turnstar Systems	2
A17	M.A.M.I.	3	AA29	UJ Centre for Cybersecurity	3
HL22 and HL27	Managed Living	2	AA13	Videofied	3
I17	Martin Electronics	2	J27	Videotec Spa	2
H21	Matrix	2	G28A	View Protect	2
SZ18B	Microcam Technology(ShenZhen)	3	K03	Virdi Distribution SA	2
C35	Midland SA	3	FD38	Vimpex	3
I03	Milestone Systems	2	B34	VixNet	3
I01	Miro Distribution	2	L09A	Watch Lock South Africa	2
J07	Mobotix AG	2	J05	WD	2
LN02/03	Muvoni Technology Group	LN	L22	Wuhan Guide Infrared	2
G29	2N Telekomunikace	2	SZ 05	Xundao (Shenzhen) Industrial	3
J09 and J28	Natech Universal Technology	2	K17	Yudor Technology	2
L11	NEC Corporation	2	A33	Zebra Armour	3
A14 - A15	Nemtek	3	J26	ZKTeko	2
G24	New Teltron	2	A29	Zonke Monitoring Systems	3
SZ04	Ningbo Twins Enclosure	3			

Exhibitor list

A and S International

Hall 3; Stand B30
 Contact: Jessica
 Provides the latest news and updates on professional security solutions

A1 Fence Products

Hall 3; Stand AA02
 Contact: Vivek
 Tel: 00 91 22 289 77252
 Email: vivek@a1fenceproducts.com
 Suppliers of security fencing systems

ACDC Dynamics



Hall 3; Stand B28
 Contact: Andre
 Tel: 010 202 3300 Cell: 084 705 3226
 Email: andre.pienaar@acdc.co.za
 Supplier of a range of CCTV and alarm-system DIY kits and is the sole distributor of the Tecnoalarm product range in South Africa

ACTI Corporation

Hall 2; Stand K07
 Contact: Irene
 Tel: 00 886 2 2656 2588
 Email: irene.kai@acti.com
 Manufacturer of megapixel IP surveillance product solutions

Acxwell Industrial

Hall 3; Stand SZ18A

ADI Global Distribution



Hall 2; Stand H02
 Contact: Colin
 Tel: 011 574 2500
 Email: colin.vantil@adiglobal.com
 Supplier and installer of security technology

AIS - Amecor Integrated Solutions



Hall 3; Stand B7
 Contact: Charmainne
 Tel: 011 477 2600 Cell: 083 445 6925
 Email: Charmainne@amecor.com
 Amecor prides itself as an innovator in integrated security solutions, access control and CCTV

AMD - Aerospace Maritime and Defence Industries

Hall 2; Stand HL18
 Contact: Michelle
 Tel: 012 752 5880
 Email: magda@amd.org.za
 Represents the aerospace, maritime and defence industries in SA.

Amalgamated Electronic Corporation (Amecor)



Hall 3; Stand B9
 Contact: Charmainne
 Tel: 011 477 2600 Cell: 083 445 6925
 Email: Charmainne@amecor.com
 Provides electronic security and power solutions

Anhui Huangshan Foreign Trade

Hall 3; Stand SZ16
 Manufactures and exports light industrial products, such as fire hoses

Assa Abloy SA

Hall 2; Stand J17
 Contact: Alistair
 Tel: 011 761 5000 Cell: 083 285 6767
 Email: alistair.thackeray@assaabloy.com
 High-quality locks, access control and security door solutions manufacturer and supplier

Atec Systems and Technologies



Hall 2; Stand I06
 Contact: Rowan or Chantelle
 Tel: 012 991 0960 Cell: Rowan: 083 585 8399 Chantelle: 082 872 9911
 Email: sales@atec.co.za, rowan@atec.co.za, chantelle@atec.co.za,
 A customer-driven development company providing security access control and visitor management solutions

Autometer



Hall 2; Stand HL29
 Contact: Jim
 Tel: 011 949 4105 Cell: 082 441 3052
 Email: jgunnell@autometer.co.za
 Autometer will feature the F2-T thermal imaging camera, specifically designed to enable fire fighters to see through smoke and to identify and quickly locate targets in the fire

Axis Communications

Hall 2; Stand H01
 Contact: Sasha
 Tel: 011 548 6780
 Email: sasha.davidson@axis.com
 Provider of video solutions, including network cameras and video encoders

Bloodhound Technologies



Hall 3; Stand AA08
 Contact: John
 Tel: 021 551 7456
 Cell: 083 675 7053
 Email: info@bloodhoundsa.com
 Developers of intelligent, real-time measurement of the productivity, performance and compliance of security field personnel

BN Tech Identity Management Solutions

Hall 2; Stand L05
 Contact: Victoria
 Tel: 011 450 3092
 Email: victoria@bntech.co.za
 A provider of identity management solutions and products

Brooke Patrick Publications



Hall 3; Stand B31
 Contact: Tracey
 Tel: 011 603 3960 Cell: 082 419 2358
 Email: thack@brookepatrick.co.za
 A multi-platform, business to business media group, that publishes throughout Africa in the fields of construction, mining, the built environment, equipment, power and water

Bruker UK

Hall 2; Stand HL20
 Contact: Dave
 Tel: 00 44 7900 954 653
 Email: dave.lowe@daltonics.bruker.co.uk
 Provider of high performance analytical solutions and systems

BTC Training

Hall 3; Stand AA27
 Contact: Errol
 Tel: 011 869 1946
 Email: errol@btctraining.co.za
 Offers training programmes to the security industry including armed robbery survival skills and how to deal with trauma after an armed robbery incident

Cassidy Solutions



Hall 3; Stand B33
 Contact: Siphokazi
 Tel: 011 433 0239 Cell: 083 222 5798
 Email: siphokazim@cassidsolutions.co.za
 Specialises in the installation and integration of access control and security systems including fire detection, CCTV, alarms, biometric-card access control and metal detectors

Cathexis Africa

Hall 2; Stand K05
 Contact: Gus
 Tel: 031 240 0800 Cell: 087 230 1080
 Email: gusb@cat.co.za
 Provider of digital surveillance solutions

Centro CCTV Technology

Hall 3; Stand AA06
 Contact: Candy
 Tel: 00 0755 232 00933
 Email: candy@glorycctv.com
 R and D of power supply for CCTV surveillance system and access control

Centurion Systems

Hall 2; Stand H15
 Contact: Rose
 Tel: 011 699 2400
 Email: rose.porter@centurionsystems.co.za
 Manufacturer of security and access information, access automation, access control and security products

China Lonrun Di-Tec (GZ)

Hall 3; Stand SZ20
 Manufacturer and exporter of CCTV security products

Cochrane Steel Products



Hall 2; Stand HL37/39
 Contact: AJ
 Tel: 011 394 1788 Cell: 082 858 0075
 Email: ajhaines@cochrane.co.za
 Showcasing the ClearVu perimeter security barrier (invisible wall) that disappears into its surroundings

Connoisseur Electronics

Hall 2; Stand I14
 Contact: Cassim
 Tel: 011 417 3000
 Email: cassim.ismail@connoisseur.co.za
 Supplier of video access control systems

Coretrade Technology

Hall 3; Stand SZ22
 The company focuses on the application of CCTV and fiber to the home (FTTH) in metro area networks and CATV networks

Corex IT Distribution Dynamics

Hall Link Node; Stand LN08
 Contact: Michael
 Tel: 011 700 7188
 Email: michaelh@corex.co.za
 Security technologies distributor

Dahua Technology

Hall 3; Stand C34
 Contact: Patrick
 Tel: 00 8 657 128 179 365
 Email: zhu_jian@dahuatech.com
 A professional security and surveillance manufacturer

DCOM Network Technology

Hall 2; Stand L08
 Dcom is an Internet technologies company providing software components to communicate directly with each other across networks, including Internet and Intranets

De Beers DebTech



Hall 2; Stand HL31
 Contact: Nico
 Tel: 011 374 6886 Cell: 083 3888 693
 Email: Nico.VanZyl@debeersgroup.com
 De Beers will be showcasing the Scannex low-dose full body x-ray scanner that can be applied in mines, prisons and high security installations

Deggy South Africa



Hall 2; Stand L24
 Contact: Pieter
 Tel: 011 319 7201 Cell: 072 686 9184
 Email: deggy@deggy.co.za
 Deggy South Africa provides an innovative guard monitoring solution, which in turn helps security companies provide a streamlined, well-managed service to their clients

Digital ID Technologies

Hall 2; Stand G01
 Contact: Rene
 Tel: 011 864 6142
 Email: rene@sonex.co.za
 Distributor of ID Card Printers and accessories and suppliers of access cards, student cards, loyalty cards, membership cards, as well as accreditation

DOS Group

Hall 2; Stand H22
 Contact: Monique
 Tel: 011 873 3437
 Email: monique@dosgroup.com
 Manufacturer of security and safety products for the Southern Africa market

DoseTech

Hall 3; Stand FD6
 Contact: Dirk
 Tel: 021 511 0840
 Email: firedos@dosetech.co.za
 DoseTech specialises in fire protection foam dosing technology, as well as special risk fire fighting hardware

Dynacolor

Hall 2; Stand K11
 A specialist in video surveillance products

Easi-card



Hall 3; Stand AA10
 Contact: Justin/Gordon/Sharon
 Tel: 011 487 1536
 Cell: 076 850 9257/083 252 1848
 Email: justin@easi-bind.co.za
 info@easi-bind.co.za
 sharon@easi-bind.co.za
 Easi-card offers, recycled/reused access security cards and customised membership, loyalty and Identification access cards. Customised cards will be displayed

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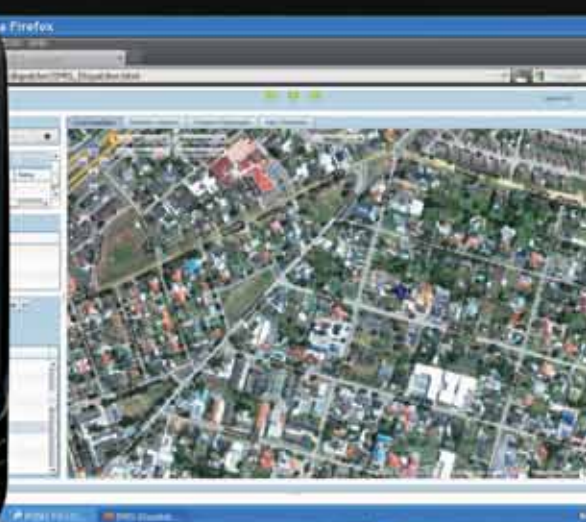
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 Email: admin.pta@instacom.co.za
 Unit 15, Berkley Office Park
 Technopark, Highveld
 Centurion, 0173

Eavesdropping Detection Solutions



Hall 2; Stand HL35
 Contact: Steve
 Tel: 012 664 3157
 Email: steve@cbia.co.za
 Eavesdropping Detection Solutions will exhibit the latest high level technical surveillance countermeasures (TSCM) for the detection of covert listening, video and optical surveillance devices

Elitar SA



Hall 2; Stand J04
 Contact: Christo
 Tel: 012 664 0411 Cell: 071 163 3746
 Email: Christo@elitarsa.co.za
 Elitar specialises in wide range of hi-tech, CCTV products that ranges from UTP, analogue DVR'S to HDSDI to an affordable IP solution

Elvey Security Technologies



Hall 2; Stand A01 and AA01B
 Contact: Everyone can assist
 Tel: 011 401 6700
 Email: info@elvey.co.za
 Elvey Security Technologies will be showcasing the latest security products and technology from around the globe

EMS - Commend Business Hub



Hall 2; Stand L12A
 Contact: Glynn
 Tel: 011 274 6666 Cell: 083 632 5663
 Email: g.brookes@commend.co.za
 The company develops professional secure communication using intercom over IP technology

ESDA - Electronic Security Distributors Association



Hall 3; Stand B31A
 Contact: Trish
 Email: rr29@mweb.co.za
 The main business activity is the importation, distribution or manufacture (or a combination of these) of electronic security technology products

Executive Risk Control



Hall 2; Stand I19
 Contact: Francois
 Tel: 013 246 1767 Cell: 083 633 4933
 Email: francois@executiveriskcontrol.co.za
 Showcasing a security system that enables security providers to do live monitoring of security guard patrols

Fields Wear

Hall 2; Stand G03
 Contact: Elardus
 Tel: 014 592 4930
 Email: elardus@fieldswear.com
 The company is a leading supplier of body armour on the African continent

Fire and Rescue International



Hall 3; Stand B32
 Contact: Lee Raath-Brownie,
 Sylvester Haskins, Veronica Breedt or
 Tamlyn Eksteen
 Email: lee@fireandrescue.co.za or
 advertising@fireandrescue.co.za
 Fire and Rescue International is an independent, monthly, technical magazine that has fire management and suppression, rescue, emergency services, incident command and disaster management as its core focus

Force Products



Hall 3; Stand AA45A
 Contact: Tienie
 Tel: 011 683 3018/2932/3083
 Email: tienie.force@mweb.co.za
 On display will be ShockCit valuable protection products and passive crowd control shield - in the Ballistic Shock entry shield, among other products

Fox Electronics

Hall 3; Stand AA04
 Contact: Venter
 Tel: 011 452 8565
 Email: sales@foxelectronics.info
 Fox Electronics is a manufacturer of long range VHF for alarm monitoring

FSK Electronics



Hall 3; Stand B10
 Contact: Keith
 Tel: 011 477 2600
 Email: info@fsk.co.za
 FSK designs and manufactures a range of specialised security equipment primarily for the communication and transmission of signals to and from monitoring control sites

FTP Secure Solutions SA



Hall 2; Stand HL36
 Contact: Clinton
 Tel: 041 581 1191
 Email: clintonvandyk@ftpemea.com
 FTP Africa is the value added re-seller of Future Fiber Technologies in Africa, offering security applications for detection and pinpointing of intrusions

Fuho Technology

Hall 2; Stand K20
 Manufacturer of CCTV products

G2 Security



Hall 2; Stand G19
 Email: info@g2security.co.za
 G2 Security will be launching the new wireless fire alarm systems from EMS

Gallagher Security



Hall 2; Stand G31
 Contact: Nicolas
 Tel: 011 974 4740 Cell: 060 501 7885
 Email: nicolas.garcia@gallagher.co
 Gallagher Security will be exhibiting, The Command Centre, which enables organisations to achieve cost and time efficiencies and improve data integrity

General Star

Hall 2; Stand K16
 Provides specialised insurance coverage for the military, police and homeland security products manufacturing industry

GeoVision SA



Hall 2; Stand J03
 Contact: Jacques
 Tel: 012 664 0411 Cell: 083 379 7879
 Email: sales@geovisionsa.co.za
 The company will be exhibiting its GV series surveillance products that provide total security solutions for point-of-sale systems, license plate recognition systems, and central monitoring systems

Giga - TMS

Hall 2; Stand K12
 Manufacturer and supplier of POS systems and RFID products

Global Communications - Member of the Hudaco Group



Hall 3; Stand B05
 Contact: Any of the representatives
 Tel: 012 621 0400 Cell: 087 310 0400
 Email: kenwood@kenwoodsa.co.za
 Global Communications is an integrator of network infrastructures and a supplier of PMR products (Kenwood, Sepura, Damm) and JVC CCTV surveillance equipment

Godrej and Boyce Manufacturing

Hall 3; Stand B24
 Contact: Deepak
 Tel: 00 91 22 679 647 62
 Email: dkk@godrej.com
 Supplier of security products for private residences, as well as the banking industry and public institutions

Graphic Image Technologies

Hall 2; Stand G04/G05
 Contact: Ilsaan
 Tel: 011 483 0333
 Email: sinclair@git.co.za
 Provides security solutions in CCTV, security, mobile DVRs, broadcast, contribution, distribution, video server and compliance recorders, among other video surveillance products

Guangzhou Aebell Electrical Technology

Hall 3; Stand S202
 Manufacturer and specialist in the design of security systems including CCTV surveillance products

Gunnebo Africa, Chubb Safes and Alltech

Hall 2; Stand J30
 Contact: Thomas
 Tel: 011 878 2300
 Email: thomas.porquet@gunnebo.com
 Suppliers of integrated security solutions for customers with high requirements on secure cash handling access and entrance

HAB International Fire and Security

Hall 3; Stand A02
 Contact: Kumar
 Tel: 011 314 7075
 Email: kumar@hab.co.za
 Provides security products that assist in combating counter trade fraud, detecting contraband ideally for airport security applications

HF Technology South Africa

Hall 2; Stand HL12
 Contact: Richard
 Tel: 011 958 0703
 Email: richard@hfttech.co.za
 The company focuses on security products that protect and secure personal identities

Hikvision

Hall 2; Stand I10
 Contact: Finn
 Tel: 00 86 134 568 31219
 Email: wulin@hikvision.com
 Offers CCTV surveillance products

Hitek Security Distributors



Hall 2; Stand G02
 Contact: Clyde
 Cell: 087 625 0810
 Email: info@hiteksecurity.net
 HiTek will have a CCTV range of products, new HD-SDI analog HD CCTV, WDR technology, CMS software and other products on display

ID Control Solutions



Hall 3; Stand C02/C03
 Contact: Peter
 Tel: 041 484 2098 Cell: 083 630 3939
 Email: peter@idcontrol.co.za
 ID Control manufactures emergency exit door systems

Ideco Biometric Security Solutions

Hall 2; Stand Premier Lounge
 Contact: Anna
 Tel: 086 104 3326
 Email: anna@ideco.co.za
 Develops wireless identity managements systems providing various biometrics and Morpho-biometrics products

iFacts



Hall 3; Stand AA34A/AA36A
 Contact: Sonya
 Tel: 011 609 5124 Cell: 082 895 2478
 Email: sonya@ifacts.co.za
 iFacts offers employee screening services, background checks, integrity assessments, online database management services, forensic investigations, polygraph services and online security training

Imperial Armour



Hall 3; Stand AA01
 Contact: Louisa
 Tel: 031 700 2650 Cell: 083 788 3266
 Email: louisagarlandels@imperial-armour.com
 Imperial Armour manufactures personal protection equipment including ballistic vests, fire suits and emergency rescue

Imperial Green Mobility

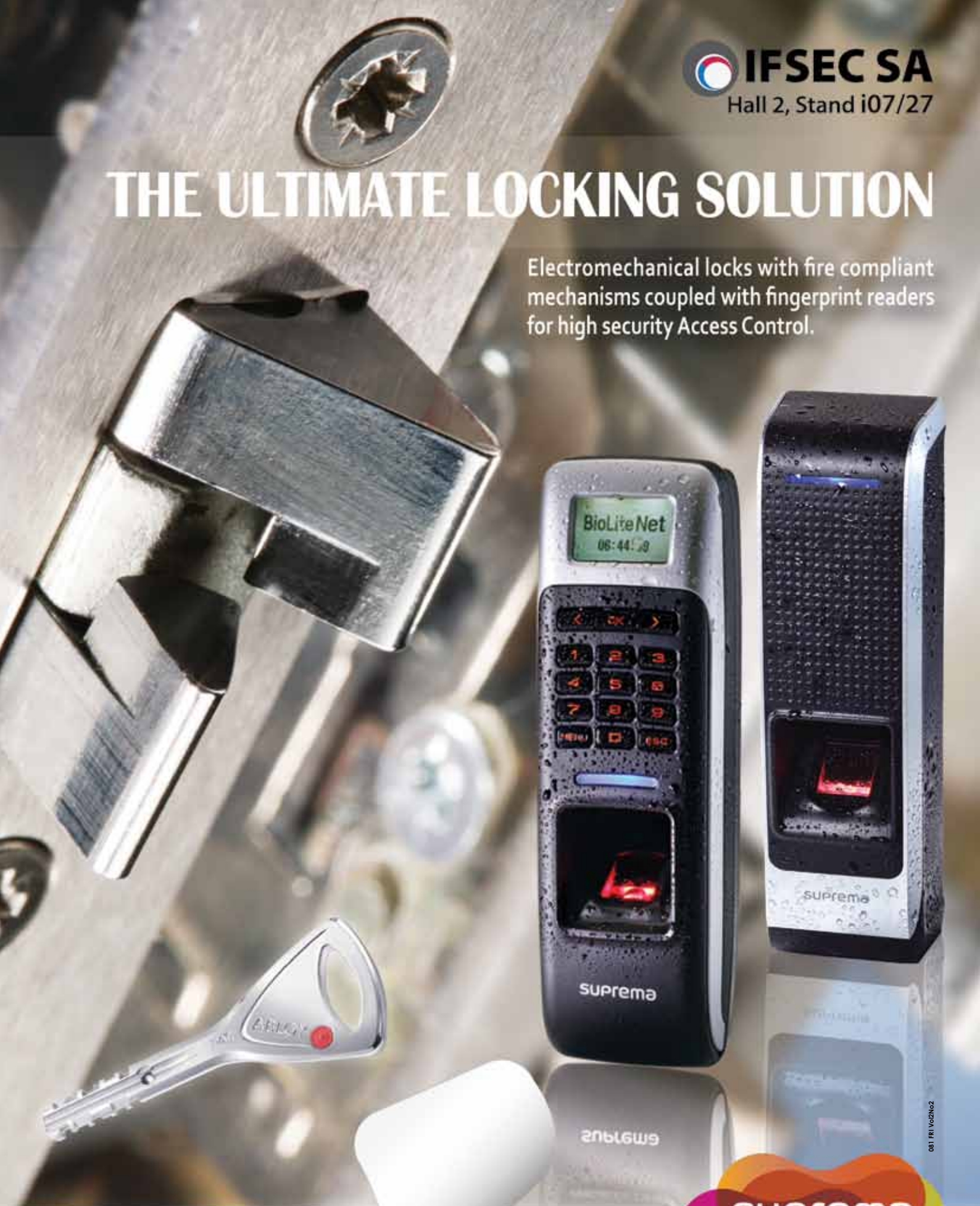
Hall 2; Stand G11
 Contact: Lori
 Tel: 086 102 5327
 Email: lori@imperialgreen.co.za
 Provide commercial and industrial vehicles

Impro Technologies

Hall 2; Stand I02
 Contact: Darren
 Tel: 031 717 0700
 Email: darren@impro.net
 Impro Technologies offers access control, biometrics and product identification systems

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IMvula Marketing and Events

Hall 2; Stand G28B
 Contact: Wilma
 Tel: 011 202 7700
 Email: wilmar@imvula.net
 A multidisciplinary firm that has a security division, providing safety and security, as well as risk management solutions

Infinova

Hall 2; Stand L21
 Contact: Milind
 Tel: 00 965 9964 1324
 Email: infinova.net@gmail.com
 A single source integrated video surveillance system manufacturer

Ingersoll Rand Security Technologies



Hall 2; Stand L15
 Contact: Amaaldeep
 Tel: 00 971 4 428 5242
 Email: IRST.MEA@irco.com
 Provider of a range of security technology products including APTiQ multi-technology readers, PegaSys access control system and Schlage HandPunch biometric time

Instacom



Hall 3; Stand A09
 Contact: Kyran
 Tel: 087 941 8624
 Cell: 079 642 1601
 Email: kyran@instacom.co.za
 The company will exhibit its Toughshield device - an ultra-rugged smartphone that provides security companies with a state of the art workflow management and communication tool



Intimus



Hall 2; Stand HL17
 Contact: Philip
 Tel: 011 838 7281 Cell: 071 678 5931
 Email: Phillip@martinyaleafrica.com
 Manufacturer of classic shredders, as well as a modern range of solutions for the destruction of information on all state-of-the-art media

Kolskoot

Hall 3; Stand D1A
 Manufacturer and distributor of firearms, weaponry and ammunition

Liquid Bullet

Hall 2; Stand G12
 Contact: Jason
 Tel: 011 444 5201
 Email: jason@liquidbullet.net
 Supplier of security equipment and accessories to the SA security industry

LPCB/BRE Global

Hall 3; Stand FD1
 Contact: Reg
 Tel: 00 01923 664100
 Email: griggr@bre.co.uk
 The company works to ensure that fire, security, environmental and other products and services provide the quality of performance and protection that it should

LS Tech - Life Safety Technologies



Hall 3; Stand C23
 Contact: Ashley
 Tel: 011 386 8517 Cell: 078 436 9896
 Email: pa@marinedata.co.za
 LS Tech will have the following on display at their stand: addressable fire control panels, conventional fire control panels, smoke detectors and manual call points

MAMI



Hall 3; Stand A17
 Contact: Renato
 Tel: 011 452 4737 Cell: 084 670 8998
 Email: sales@mami.co.za
 This year MAMI will be exhibiting a full range of wireless/ wired alarm panels as well as portable panels, also related wireless Dual technology outdoor and indoor detectors

Managed Living

Hall 2; Stand HL 22 and HL27
 Contact: Riaan
 Tel: 012 548 3570
 Email: riaanc@managedliving.co.za
 Supplier of intercom systems

Martin Electronics



Hall 2; Stand I17
 Contact: Mandy
 Tel: 011 433 4084 Cell: 076 178 4451
 Email: mandy@martin-electronics.co.za
 SA manufacturer of RF remote controls and security products

Matrix Comsec

Hall 2; Stand H21
 Contact: Shivprasad
 Tel: 00 91 265 2630 555
 Email: shiv.s@matrixcomsec.com
 A provider of telecom and security solutions, offering a vast range of GSM, VoIP, IP-PBXs, time-attendance and access control solutions

Microcam Technology (Shenzhen)

Hall 3; Stand SZ18B
 A digital surveillance product manufacturer

Midland-SA



Hall 3; Stand C35
 Contact: Dirk
 Tel: 086 100 2525 or 058 481 3079 Cell: 083 750 0057
 Email: dirk@midland.co.za
 Midland offers GSM snapshot IP cameras, two-way radios, farm security systems, farm perimeter electric fence and estates electrical security fence monitoring

Milestone Systems



The Open Platform Company

Hall 2; Stand I03
 Contact: Peter
 Tel: 00 97 143 641 380
 Email: info@milestonesys.com
 Provider of open platform IP video surveillance software

Miro Distribution



Hall 2; Stand I01
 Contact: Chris
 Tel: 012 657 0960
 Email: sales@miro.co.za
 Miro is a distributor of wireless IP video technology and will be showcasing products from its Vivotek, Radwin, Ubiquiti, QNAP and Linkra product ranges

Mobotix AG



Hall 2; Stand J07
 Contact: Bevan
 Tel: 00 49 6302 98160
 Cell: 00 971 50 6588189
 Email: info-intl@mobotix.com
 Mobotix will be showcasing a range of security equipment including the Dualnight M12 Mobotix dual lens

Muvoni Technology Group



Hall Link Node;
 Stand LN02 - LN03
 Contact: Vic
 Tel: 012 679 2900
 Cell: 082 461 6893
 Email: vic@muvoni.com
 The company will be presenting its new initiative, 'Don't be sorry; be sure', that is designed to inform employers and homeowners about background screening to improve security



2N Telekomunikace



Hall 2; Stand G29
 Contact: Richard
 Tel: 00 420 261 301 111
 Email: sales@2n.cz
 The company specialises in the development, manufacturer and export of customised security solutions

Natech Universal Technology



Hall 2; Stand J09 and J28
 Contact: Dean
 Tel: 010 591 5073 Cell: 073 601 6652
 Email: dean@natech.co.za
 Natech is a distributor of analogue and IP surveillance, IP based access control, POS integration solutions, hardware and software dedicated to offsite monitoring and perimeter security

NEC Corporation

Hall 2; Stand L11
 Contact: Motoyoshi
 Tel: 00 81 3 3798 6332
 Email: m-shichiri@bu.jp.nec.com
 A leading provider of Internet, broadband network and enterprise business solutions

Nemtek

Hall 3; Stand A14 /A15
 Contact: Gareth
 Tel: 011 462 8283/4
 Email: garreth@nemtek.co.za
 Specialises in security for game, agricultural and equine electric fencing and accessories

New Teltron



Hall 2; Stand G24
 Contact: Nico
 Tel: 011 251 0310 Cell: 082 559 6190
 Email: nicob@newteltron.co.za

New Teltron is an importer and supplier of the HID Fargo brand, offering the entire range of Fargo PVC card printers, consumables and card production software

Ningbo Twins Enclosure

Hall 3; Stand SZ04
 Manufacturer of electronic and electrical appliances including waterproof enclosure and industrial control enclosure systems designed for the security industry

NJR Steel-Fencing Solutions

Hall 2; Stand G10
 Contact: Greg
 Cell: 082 805 4829
 Email: gmollett@njrsteel.co.za
 Fencing Solutions supply and install high security fencing

NucTech

Hall 2; Stand H20
 Contact: Brandon
 Tel: 021 555 0554
 Email: marketing@viconsulting.co.za
 Focuses on professional container security testing systems and has world-leading, modernised manufacturing and testing equipment

OCC/Plasto-sac SA

Hall 2; Stand I26
 Contact: Michele or Tamra
 Tel: 011 880 3030
 Email: michele@occsa.co.za
 OCC will showcase its tamper-proof bags production line

On-Guard

Hall 3; Stand A32
 Contact: Richard
 Tel: 021 701 7777
 Email: jamie@onguard.co.za
 Provides video surveillance and access control security solutions

Oring Industrial Networking

Hall 2; Stand K04
 Contact: Jacques
 Tel: 012 661 3360
 Email: jacques@oring-networking.co.za
 Manufacturer of IP-based surveillance security technology

PanSolutions



Hall 3; Stand AA07
 Contact: Cornette, Vanessa or Steve
 Tel: 011 313 1400 Cell: 073 701 4022
 Cell: 072 425 2280 Cell: 082 828 2888
 Email: slewis@pansolutions.co.za
 The company will exhibit its Panasonic Toughbook computer range including peripherals and onsite demonstrations

PDS - Power Development Services



Hall 3; Stand B11
 Contact: Kevin
 Tel: 011 472 0669
 Email: sales@pdspower.co.za
 PDS is a distributor and installer of all alternative power requirements

Phendula Technologies

Hall 2; Stand K04A
 Contact: Jacques
 Tel: 086 134 2737
 Email: jacques@phendulatech.co.za
 IP-based surveillance equipment supplier

Powell Tronics



Hall 2; Stand I04
 Contact: John
 Tel: 021 448 0156 Cell: 083 252 1025
 Email: marketing@powelltronics.com
 SA distributor of Golmar, Impro Technologies and Safran Morpho security technology products

Predator Importers



Hall 3; Stand A10
 Contact: Paul
 Tel: 012 751 4155 Cell: 086 605 1375
 Email: paul@predatoralarms.co.za
 Predator will showcase and demo its all new Predator X2 wired/wireless alarm system

Printers for Africa

Hall 3; Stand AA03
 Contact: Anton
 Tel: 011 391 8856
 Email: anton@printersforafrica.co.za

Progroup Manufacturing



Hall 3; Stand C04
 Contact: Jack
 Tel: 011 493 1545 Cell: 082 601 2632
 Email: jack@progroup.co.za
 Specialises in the design, manufacture and installation of custom and system exhibition stands, security and control consoles

PSS Distributors



Hall 2; Stand J08
 Contact: Shane
 Tel: 011 608 4259
 Email: sales@pss.co.za
 PSS will be displaying uninterruptable power supplies (UPS) batteries, surge protection, power supplies, among a range of other products

PwC FTS



Hall 3; Stand AA28
 Contact: Peter Fryer
 Tel: 012 429 0428 Cell: 082 774 9960
 Email: trevor.hills@za.pwc.com
 The company will be exhibiting the Amped Five range of image processing software that is specifically designed for investigative, forensic and security applications of video footage

Qihan Technology

Hall 3; Stand C01
 Contact: Yuki
 Tel: 00 8 675 589 822 999
 Email: yuki@qihan.cn
 Qihan is a leading provider of CCTV cameras, IP cameras and DVR

Q-See International

Hall 3; Stand SZ19
 Manufacturer of video surveillance systems

QT Watch

Hall 3; Stand B36
 Contact: Pierrie
 Tel: 012 664 6446
 Email: pierrie@giganetix.co.za
 Develops control room management systems

R and D Screening Technologies



Hall 2; Stand L02
 Contact: Charl
 Tel: 011 608 1504 Cell: 082 855 1434
 Email: charl@rdscreening.com
 Offers new dual-view x-ray technology, automatic detection of explosives in carry-on-baggage, among other security solutions

R and S Traders

Hall 2; Stand G13
 Supplier of security equipment

RAS Electronics

Hall 3; Stand SZ11
 A manufacturer of CCTV cameras

RBH Access Technologies

Hall 3; Stand A28
 Contact: David
 Cell: 084 098 2046
 Email: david.bain@rbh-access.com
 Designs and manufactures enterprise access control and security management systems

RDC - Radio Data Communications



Hall 3; Stand B37
 Contact: Lee-Ann
 Tel: 011 616 7685 Cell: 083 377 7045
 Email: leeann.a@radiodata.co.za
 Specialises in long range communication products

Red I Laser

Hall 3; Stand D1A
 Manufacturer of a battery-powered laser bore site to specifications of the desire calibre of ammunition

Redtron

Hall 2; Stand H06
 Suppliers of electronic security systems

Remote Off-Site Monitoring

Hall 2; Stand H17
 Contact: Penny, Paul, Roy
 Tel: 011 425 0146
 Email: sales@remotemonitoring.co.za
 The company specialises in turnkey integrated projects in different sectors of CCTV, access control, fire detection and off site monitoring thereof

RJ Connect

Hall 2; Stand J15
 Contact: Alicia
 Tel: 011 781 0777
 Email: alicia@rjconnect.co.za
 RJ Connect is a one stop automation house specialising in total plant automation engineering solutions

Safety Xpress Stromberg

Hall 3; Stand AA05
 Manufacturer and supplier of roadblock visible policing solutions and Roadquip - traffic and road safety equipment

Saflec Systems

Hall 2; Stand J16
 Contact: Geraldene
 Tel: 011 477 4760
 Email: geraldene@saflec.com
 Saflec is a manufacturer of access control products and metal detectors

Safran Morpho

Hall 2; Stand J11
 Contact: Virginie
 Tel: 00 33 158 11 89 58
 Email: virginie.combes@morpho.com
 Develops biometric security technology solutions

SAIDSA - South African Intruder

Detection Services Association
 Hall 3; Stand B31B
 Contact: Cheryl
 Tel: 011 845 4870
 Email: saidsa@mweb.co.za
 The association incorporates security systems service providers, ranging from

basic alarms to sophisticated electronic intruder detection systems and CCTV

SAIS - South African Institute of Security

Hall 3; Stand AA26
 Contact: Rosemary
 Tel: 011 455 3157
 Email: rosemary@fiscali.co.za
 The leading body controlling the professionalism of the security industry of Southern Africa

SASA - Security Association of South Africa



Hall 3; Stand AA44 A
 Contact: Martina
 Tel: 086 1100 680 Cell: 083 650 4981
 Email: info@sasecurity.co.za
 SASA offers information and advice on the security industry. A brief introduction about SASA, its Gold Class Membership and how to become a member of SASA will be presented

Satir



Hall 2; Stand G26
 Contact: Roy
 Tel: 00 353 42 9341540 Cell: 00 353 86 1610527
 Email: info@satir-eu.com
 A civilian thermal imaging system developer, manufacturing a range of handheld and fixed position thermal imaging cameras for security, surveillance and fire detection applications

Secequip



Hall 3; Stand B8
 Contact: Charmainne
 Tel: 011 477 2600 Cell: 083 445 6925
 Email: Charmainne@amecor.com
 Secequip is a leading supplier of electronic security equipment

Security and Communication Warehouse

Hall 2; Stand J29
 Contact: Jolene
 Tel: 012 653 1005
 Email: marketing@securitywarehouse.co.za
 The company has grown into one of the leading SA importers and distributor of CCTV and access control systems

Security Focus

Hall 3; Stand B32A
 Contact: Godfrey or Colleen
 Tel: 031 764 6977
 Email: gk@contactpub.co.za
 A monthly magazine covering the commercial and industrial security markets in Southern Africa

SIA - Security Industry Alliance

Hall 3; Stand AA24
 Contact: Galen
 Tel: 011 498 7468
 Email: galen@sansea.co.za
 SIA is an alliance of security associations in South Africa playing a key role in communicating common interest to its members

Sentinel Guard Monitoring

Hall Link Node; Stand LN01
 Contact: Angela, Philip, Lloyd, John
 Tel: 011 888 4982
 Email: angela@guardreports.co.za
 Sentinel offers a fully automated guard monitoring solutions

Servamus: Community-based Safety and Security Magazine



Hall 2; Stand HL01
 Contact: Annalise
 Tel: 012 345 4622 Cell: 083 269 3513
 Email: annalise@servamus.co.za
 A community-based safety and security magazine in South Africa

Shanghai Hygloves

Hall 3; Stand SZ15
 Manufacturer of high quality leather gloves and special functional gloves such as Extrication and Rescue, Fire fighting etc

Shenzhen Actiontop Security Technology

Hall 3; Stand SZ10
 Developers of high-speed dome technology and involved in R and D, production and sales of network monitoring product solutions

Shenzhen FSAN Intelligent Technology

Hall 3; Stand SZ24
 Integrates designing, manufacturing, marketing and constructing of electronic surveillance products

Shenzhen Huanghe Digital Technology

Hall 3; Stand SZ07
 IP camera developer and manufacturer

Shenzhen Jiaxinjie Technology

Hall 3; Stand SZ01
 Focus on R and D, manufacturing, sales and after-sales services of video surveillance products

Shenzhen Lanstar Technology

Hall 3; Stand A31
 Contact: Li
 Tel: 00 75 589 392 855
 Email: jason@lanstar.net
 A perimeter security and agricultural solar electric fence manufacturer

Shenzhen Launch Digital Technology

Hall 2; Stand J08
 Contact: Melissa
 Tel: 00 75 586 137 083
 Email: miumiu@launchdigital.net
 Shenzhen Launch is a manufacturer of IP cameras, network video servers and NVR

Shenzhen LLT Wire and Cable

Hall 3; Stand SZ18
 Manufacturer and supplier of a range of cable solutions include firm alarm and CCTV cables

Shenzhen Olycom Technology

Hall 3; Stand SZ21
 A fiber optic transmission equipment manufacturer

Shenzhen RDS Industrial

Hall 3; Stand SZ09
 A professional security equipment and solutions provider

Shenzhen SecuEasy Electronic

Hall 3; Stand SZ25
 A manufacturer and exporter of a range of security products

Shenzhen Shinuoqi Electronical Science and Technology

Hall 3; Stand SZ06
 Specialises in manufacturing and developing state-of-the-art CCTV cameras and security applications

Shenzhen Startvision Technology

Hall 2; Stand J01
 Contact: Yan
 Tel: 00 86 755 33953633
 Email: keeper@keeper.cn
 A professional manufacturer and exporter of CCTV products

Shenzhen Sunco CCTV Technology

Hall 3; Stand B12
 Contact: Luke
 Tel: 00 8 673 124 807 086
 Email: niboluke2000@yahoo.com
 Manufacturer of CCTV security cameras

Shenzhen Vangold

Hall 3; Stand S217
 An R and D-oriented manufacturer and mainstream provider of advanced security and surveillance system products

Shenzhen Wejoin Machinery and Electrical Technology

Hall 3; Stand S208
 Supplier of barrier gate, parking barrier, traffic safety and door control security products

Shenzhen Zhongxi Neon Digital Video

Hall 3; Stand SZ24A
 Manufacturer of CCTV cameras

Shenzhen ZNV Technology



Hall 2; Stand I09
 Contact: Justin
 Tel: 00 86 755 2652 5680 Cell: 00 27 8 4050 4767
 Email: li.jian88@zfe.com.cn
 Shenzhen ZNV Technology (ZNV) focuses on video surveillance solutions, offering a complete series of cameras, sensors, video coders and decoders and management software

Sherlotronics

Hall 3; Stand A12
 Contact: Simon
 Tel: 011 462 5101
 Email: simon@sherlotronics.co.za
 Sherlotronics offers remote control technology

Smart 5 Card Solutions



Hall 2; Stand I18
 Contact: Hermann
 Tel: 011 391 4693 Cell: 082 805 0830
 Email: ifsec@smartfive.co.za
 Smart 5 Card Solutions provides data card printer technology

Softcon Software Control Services

Hall 2; Stand I05
 Contact: Dene
 Tel: 012 348 7301
 Email: dene@softconserv.com
 Softcon focuses on developing and manufacturing access control solutions

Sondex t/a MAMI

See MAMI

Stafix

Hall 2; Stand G06/G07
 Contact: Shaun
 Tel: 011 397 3507
 Email: etf@stafix.co.za
 Stafix is a perimeter protection product supplier

Suprema



Hall 2; Stand I07 and I27
 Contact: Any of our representatives
 Tel: 011 781 9964 Cell: 0861 632 638
 Email: enquiry@suprema.co.za
 The company will display its biometrics and identification solutions that include access control and time and attendance solutions

Suritec

Hall 2; Stand HL07
 Contact: Ryno
 Tel: 021 683 3624
 Email: ryno@suritec.co.za
 Develops integration solutions to mitigate security, health and safety risks and counter illicit economic activities

TAC Products

Hall 2; Stand K02
 Contact: Danny
 Tel: 086 165 4390
 Email: sales@tacproducts.co.za
 Designer of high-quality security transaction trays, drawers, bullet resistant windows, bullet resistant glass, under counter drawers and other products

TagTron

Hall 2; Stand HL28
 Offers complete EAS solution including RFID technology solutions

Taiwan External Trade Development Council (TAITRA)

Hall 2; Stand K15
 Assists global buyers tap into Taiwan's manufacturing industry and product suppliers

Taiwan Jantek Electronics

Hall 2; Stand K18
 Provides time management and access control solutions

Technews

Hall 3; Stand AA01A
 Contact: Vivienne
 Tel: 011 543 5800
 Email: vivienne@technews.co.za
 Publishers of high-technology magazines

Techring (SA)/Stentofon



Hall 3; Stand A24
 Contact: John
 Tel: 011 784 3088
 Email: john@techring.co.za
 On display will be the serverless loud speaking IP intercom system that is SIP compatible with a host of features unique to Stentofon systems.

TecSec Distributors



Hall 2; Stand K06
 Contact: Michael
 Tel: 031 539 4897
 Email: mike@tecsec.co.za
 TecSec is a specialist and value-added distributor of video surveillance equipment in the Southern African market

TeleEye South Africa

Hall 2; Stand G30
 Contact: Vivienne
 Tel: 011 557 9200
 Email: viv@teleeye.co.za
 Distributes a range of CCTV and remote monitoring equipment as well as FLIR security and automation

Texecom

Hall 2; Stand L07
 Contact: Peter
 Tel: 00 107 234 800
 Email: pharries@texe.com
 Global supplier of intruder alarm products

TID - Technology Innovated Distribution

Hall 3; Stand A13
 Contact: Tiaan
 Tel: 010 500 0111
 Email: tiaan@tidistribution.co.za
 Specialises in design, distribution and recommendation of innovative audiovisual solutions, offering a selection of technologically advanced products

Tisec Management Services

See Amalgamated Electronic Corporation

Traceability Solutions

Hall 3; Stand C18
 Contact: Kelby
 Tel: 011 704 4744
 Email: kelby@tracesol.co.za
 Focuses on the supply and support of all types of marking, identification and traceability solutions

Traka Africa



Hall 2; Stand K01
 Contact: Ryno
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 Email: ryno@traka.co.za
 Traka Africa will be displaying electronic lockers, electronic key management systems, data-loggers, electro-mechanical locks and keys and fleet management

Transaction Control Technologies



Hall 3; Stand A03
 Contact: Darren, Mario
 Tel: 011 888 1210
 Email: darren@tct.co.za, mario@tct.co.za
 TCT will be displaying our range of single person access control doors - the steel and Versamax models of the Selector Door

TruTeq Devices

Hall 3; Stand B18
 Contact: Derick
 Tel: 012 667 1530
 Email: derick@truteqdevices.com
 Provides wireless connectivity solutions for remote product and site management, control functionality, event notification and remote switching capability

Turnstar Systems

Hall 2; Stand J14
 Contact: Craig
 Tel: 011 786 1633
 Email: craig@turnstar.co.za
 Manufacturer of physical access control products

UJ Centre for Cyber Security



Hall 3; Stand AA29
 Contact: Prof von Solms
 Tel: 011 559 2843 Cell: 082 553 2436
 Email: basievs@uj.ac.za
 The UJ Centre for Cyber Security is an initiative undertaken by the University of Johannesburg and the Academy of Computer Science and Software Engineering

Videoiefd

Hall 3; Stand AA13
 Contact: Monique
 Tel: 017 643 7706
 Email: monique@convergenet.co.za
 Security solutions provider focusing on video-verification alarms
 Videotec Spa
 Hall 2; Stand J27
 Contact: Wael
 Tel: 00 393 331 002 673
 Email: wael@videotec.com
 Specialises in the creation of functional and aesthetic CCTV products

View Protect

Hall 2; Stand G28A
 Contact: Marius
 Tel: 0861 444 789
 Email: marius@viewprotect.co.za
 Manufacturer of standard and armed transparent burglar bars

Virdi Distribution South Africa

Hall 2; Stand K03
 Contact: Deon
 Tel: 021 404 4690
 Email: deon@virditech.co.za
 Biometrics product supplier

Vimpex

Hall 3; Stand FD38
 Contact: Vivian
 Tel: 00 441 702 216 999
 Email: vtj@vimpex.co.uk
 Distributors of alarm and ancillary products for the fire and security industry

Vixnet

Hall 3; Stand B34
 Contact: Clinton
 Tel: 011 253 3140 Cell: 082 470 0793
 Email: clintonl@vixnet.co.za
 Vixnet offers, alarm system communication, guard tracking, mobile vehicle tracking, telemetry and data applications

Watch Lock South Africa



Hall 2; Stand L09A
 Contact: Ian or Bryan
 Tel: 011 0574865 Cell: 082 855 0440
 Email: ian@watchlock.co.za
 On display will be Mul-T Lock that is an intelligent integration of security with real-time alert and tracking from anywhere to anywhere

WD

Hall 2; Stand J05
 Offers software security solutions

Wuhan Guide Infrared

Hall 2; Stand L22
 Contact: Neo
 Tel: 00 86 27 87676897
 Email: neo@guide-infrared.com
 A designer, manufacturer and marketer of infrared thermal imaging cameras and systems

Xundao Industrial (Shenzhen)

Hall 3; Stand S205
 Xundao does R and D, production of intelligent cable, integrated wiring and security cables

Yudor Technology

Hall 2; Stand K17
 Manufacturer of CCTV systems

Zebra Armour



Hall 3; Stand A33
 Contact: Sue
 Tel: 031 701 8097 Cell: 083 794 5757
 Email: sue@zebraarmour.com
 Develops and produces comprehensive range of high technology, extremely reliable specialist range of ballistic helmets, body armour, ballistic plates and shields

ZKteko

Hall 2; Stand J26
 Contact: Hendrik
 Tel: 012 259 1047
 Email: hendrik@zkteco.co.za
 Manufacturer of biometric access control and, time and attendance monitoring systems

Zonke Monitoring Systems (ZMS)



Hall 3; Stand A29
 Contact: Violet or Tim
 Tel: 011 880 1000
 Cell: 082 350 0990
 Email: violetp@zonkems.co.za
 Zonke Monitoring Systems provides web enabled Security Asset Managers (SAM)

Fire breaks form part of the fire mitigation activities of FPAs this winter fire season

SA braces itself for difficult winter season

The winter fire season in South Africa is upon us and it is a period that is prone to the worst cases of fire in both wildland, residential and forest fires than any other season, mostly owing to the vast vegetation and extended dry, hot periods in the country.

The prevalence of wildfires in South Africa and in particular the Western Cape is noted for being among the areas in the world along with Europe, Australia and Northern America, according to the National Fire Protection Association (NFPA) in the US.

In order to gain greater cohesion and coordination of proactive fire prevention practice in South Africa, a South African national advisory forum has been established in 2012.

The Department of Agriculture, Forestry and Fisheries (DAFF) and Working on Fire (WoF) coordinated the first meeting last year, which was attended by key stakeholders, including all eight umbrella protection associations (UFPAs), as well as representatives from DAFF and WoF. "In November, we signed the terms of reference. We started last year and we met for the second

time in May, this year," reports Eastern Cape Fire Protection Association (FPA) manager, Thinus Botha.

KwaZulu-Natal (KZN) FPA manager Simon Thomas says, "Worth a mention is the fire danger rating (FDR) system that we are now in final steps of establishing and implementing as part of a national FDR system." Thomas says that landowners that cause fires when warnings are issued, can now be criminally prosecuted with the promulgation of the National Veld and Forest Fire Section 3 Act 101.

Free State UFPA technical advisor, Malcolm Procter, corroborates, "Non-compliance by members and non-members of FPAs would now result in immediate criminal prosecution, as the by-laws, with the sections added to it, can now receive Locus Standi, via the Fire Brigade Service Act."

Winter fire season preparation

Working on Fire (WoF) teams have been involved in intensive training courses in the month of May in preparation of the winter fire season ahead, which will include wildland fire prevention and suppression activities. These training camps are held in the form of a safety and survival perspective for a six-day

period in each region across the country, prior to the starting of the winter fire season.

UFPAs and FPAs across the country will receive additional support from WoF teams, which have increased the number of ground fire fighting teams in preparation of the fire season ahead.

Meanwhile, the City of Johannesburg's Emergency Management Services (EMS) embarked on its own campaign to educate people about the dangers of fire at informal settlements for the 2013 winter fire season.

In 2012, 103 people died in 400 reported cases of shack fires in Johannesburg. The City of Johannesburg EMS realised that there was a need to educate communities about the risks of fires and how to prevent them and, as a result, this year launched its Public Information Education Relations (PIER) for Johannesburg, which advises communities on how to use heating and lighting appliances safely.

Technology and software solution company, Computer Foundation, using the Advanced Fire Information System (AFIS) estimated that annually, ►

Winter fire season preview

► an average of 30 000 wildfires occur burning three million hectares of land in South Africa. As some provinces have a higher fire hazard than others, the percentage of area burnt per province ranged from less than one percent in the Northern Cape to approximately nine percent in the provinces of Gauteng, KwaZulu-Natal and Mpumalanga, reports WoF.

Proactive fire risk prevention and mitigation practices have become the focus of fire fighting organisations in South Africa. We speak to the respective UFPAs in South Africa

An area close to Ventersdorp comprising 100 hectares has been adopted by the UFGA since there are many fires that have occurred in the North West from this area. Dr Roux says that these discussions are ongoing with local farmers to get them involved in constructing firebreaks for their operational areas.

North West UFGA equipment: The fire fighting equipment employed by the UFGA and local FPAs is in 'excellent working condition'. Dr Roux mentions that this can be attributed to funds collated by the UFGA from its members

qualified incident command team (ICS), trained by a team from the Montana Forest Services in the US," says Dr Roux.

Dr Roux mentions that North West UFGA membership, which includes landowners and their families, farm workers, as well as local professionals in medical and technology fields, grew from 850 people in 2011, to over 1 500 in 2012.

"We send our members on training courses regularly, especially ICS courses," says Dr Roux. He adds that training ordinary members on the ground could be better and would require additional funding from Government, in order to achieve success in this regard.

The North West UFGA foresees a power struggle with the local municipality fire brigade and disaster management centre, which Dr Roux says will once again challenge the UFPAs authority in the chain of command. For this reason the North West UFGA is trying to involve these public entities in its fire prevention activities, however, it has not had much success.

The North West UFGA has also been trying to implement an ICS system in its operations to improve communication and the chain of command. This is being done with great success, according to Dr Roux. He adds, "The ICS system is an internationally used system with great value to us. All over the world anyone that is educated in the use of the system can take up a position in the chain of command and will know exactly what to do."

Gauteng Province

The eleven FPAs in the region, along with the West Rand District Municipality (WRDM) UFGA, recently collaborated with the establishment of the Gauteng Provincial UFGA. This was done in order to gain more Government involvement, reports West Rand District UFGA manager, Aletta du Preez. She says, "This will enhance the efficiency of local registered FPAs and will ensure a well prepared, fire-hazard free region."

Du Preez says that the mission of the newly established Gauteng UFGA will be to guide, coordinate ►



Photo: Sandile Philiso and Peter Luhanga

The City of Johannesburg EMS recently launched its Public Information Education Relations (PIER) for Johannesburg advising communities on the safe use of heating and lighting appliances

to ascertain the resources, new processes and alliances, as well as their preparation and readiness for the 2013 winter fire season.

North-West Province

North West UFGA chairman, Dr Kobus Roux, says that numerous challenges face local FPAs in the province. He says that the UFGA is 'expecting a very difficult season' in 2013.

"We are experiencing a drought for the last two years in a row. The winter starts very early – almost a month early than normal. According to the North West weather bureau, it will be a long and harsh winter with very cold conditions. We are, however, well prepared in our proactive planning," explains Dr Roux.

that enables the association to 'get the job done'.

Dr Roux reports that Government provided the region with 50 new fire fighters or 'bakkie sakkie' units in 2012, while the North West volunteer group stands at about 1 500 members. Dr Roux says that the UFGA has also received support from provincial Government in the form of equipment to the value of about R360 000 in 2012 and air operations to the value of R450 000.

The North West will draw on the service of two WoF ground teams as well as air operations in the form of a Huey helicopter and spotter aeroplane. "We also have a highly

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Winter fire season preview

► and support the registered FPAs in the region through detailed planning, reliable communication, as well as effective command-and-control in accordance with integrated procedures.

Du Preez mentions that FPAs have monthly and annual general meetings to discuss and implement prewinter fire planning in their areas and implement mitigation processes. All members, landowners and state entities are invited to join these meetings.

The FPAs in Gauteng converge in quarterly fire mitigation exercises that is hosted by the UFFPA, where they share challenges, activities and planning in order to achieve greater cross border assistance during fire combatting.

WRDM challenges: Du Preez says that the challenges faced by the FPAs in the province include the lack of adequate funding for resources such as fire fighting equipment, fuel costs, administration, communication

difficulties, damages and repairs, as well as aerial support. She says, "There is no aerial support for fire suppression in mountainous areas. The National Fire Danger Rating system is not in place and we need funding to ensure more resources can be achieved and distributed to high risk areas." She mentions that ground operations for the West Rand is made up of three WoF teams, as well as FPAs and local fire brigade services.

There are approximately over 700 FPA members within the WRDM region. Du Preez says that the WRDM distributes approximately 80 fire fighter units and some fire fighting equipment to registered FPAs in the area, excluding private units and equipment owned by landowners and members.

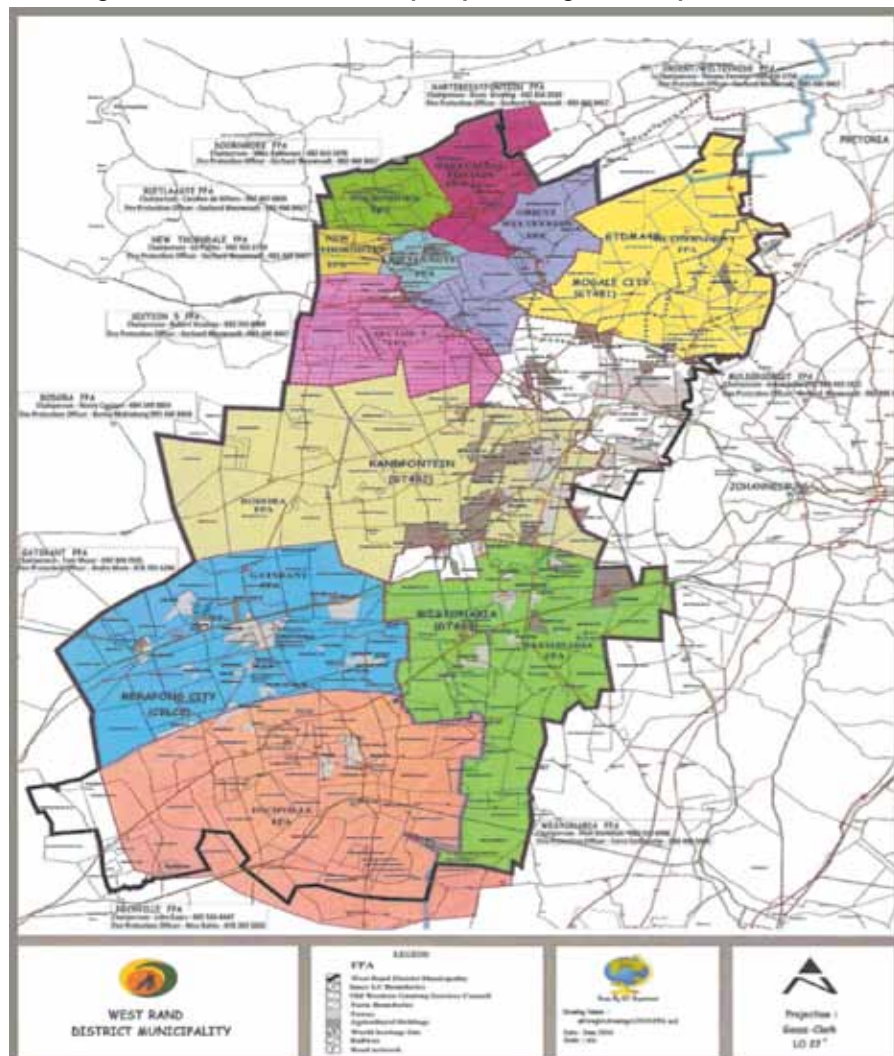
The WRDM provides different resources to FPAs in preparation for the fire season including fire fighting equipment and repairs, reports Du Preez. The WRDM also facilitates the training of FPA members

and their fire fighting personnel. "Candidates are afforded the opportunity to do advanced training and ICS training and certificates issued for competency," states Du Preez.

FPA membership in Gauteng has seen annual growth consisting of landowners, businesses and State bodies. Du Preez says, however, "More State entities need to join the local registered FPAs and comply with Fire Brigade Services Act requirements." WRDM area coverage: The West Rand District consists of four local municipalities namely, Randfontein, Westonaria, Krugersdorp, Carletonville, Fochville and the WRDM.

All these regions are covered by registered FPAs, which are Rodora FPA in Randfontein; Westonaria FPA in Westonaria; Doornhoek FPA, Muldersdrift FPA, Hartebeesfontein FPA, Sector 5 FPA, New Thorndale FPA, Rietlaagte FPA and Orient Weltevrede FPA in Krugersdorp and the Carletonville and Fochville FPAs in Merafong City.

Gauteng/West Rand District Municipality FPA Regional Map:



"The Muldersdrift FPA recently extended their borders to incorporate a larger area with more potential members and landowners that joined their FPA," reports Du Preez.

The WRDM has seen more members comply with rules and regulations within their areas to enhance risk reduction and more effective fire suppression.

KwaZulu-Natal Province

The KZN UFFPA is expecting a very different fire season in 2013 when compared to last year, when it had 'very quiet fire season', states KZN UFFPA manager, Simon Thomas. "We are expecting the worst this season. We have had above average rainfall season and we are still getting rain so fuel loads are extremely high," alerts Thomas.

The lack of sufficient aerial fire fighting poses a significant challenge in combating wildfires in the region. "I have just returned from a study in France and Spain. Government there is closely involved in training and providing resources. More money could be made available for aerial fire fighting from a national perspective," states Thomas. ►

► There will not be much change in the UFPAs resources, as aerial resources for the year ahead will be the same as last year. Two national helicopters and two national spotters are assigned to the province, which will cover the same area as last year. The resources of the KZN UFPA membership will add 11 fixed wing bombers to the fire fighting arsenal of the province, as well as seven spotter aircraft, mentions Thomas.

He says that by the first week of May this year, the KZN had 'four bouts of snow in the region'. The area was only beginning to dry up during this period. "Land owners should be ready for bad fires and expect the worst," cautioned Thomas.

The KZN UFPAs ground operations will be using upgraded fire fighting equipment this season. Thomas says that FPA personnel and members are being trained to progress from fire fighters to fire managers with the assistance of WoF senior instructors.

"What we are doing is strongly trying to implement ICS across the province. We can establish ICS teams with the FPAs within the province so that when there are disasters ICS can take over. The FFA Training academy based in Nelspruit provides training in full spectrum of integrated fire management. We encourage our members to attend these courses," states Thomas.

KZN UFPA membership: "We have 22 registered FPAs up and running at the moment and we have four additional applications awaiting registration," mentions Thomas. "The whole province will now be covered - except for one or two smaller areas in the province, but the dangerous areas are covered."

Thomas says that the KZN UFPA is currently in talks with national transport body, Transnet, which is aligning its fire prevention activities with the FPA. "They are looking at becoming part of the national FPAs," he says.

South African rail freight carrier, Spoornet, public electricity utility, Eskom and local landowners are among the newly acquired members of the UFPA, reports Thomas. The

N3 Toll Concession (N3TC), which entered into a 30-year public private partnership with SANRAL, is conducting fire breaks in conjunction with the regional FPAs on the national road N3 from Gauteng. The N3TC has erected electronic boards along the N3 that broadcast traffic and fire warnings from a coordination centre based in Harrismith, KZN.

Thomas says that the membership mix in the UFPA could be better adding that many areas, particularly in the KZN midlands, have absentee landlords. "We urge them to become members for their own benefit."

Mpumalanga Province

"If the forecasts are anything to go by, I think we are in for an early and severe season," alerts Mpumalanga UFPA (MUFPA) manager, Trevor Wilson, echoing the sentiments of the UFPA's nationally.

"Early isn't inherently bad, but it's the breaking of the season that is critical. The last thing we need is a protracted season with the heavy fuels that we have after the summer rains," states Wilson. "The only good thing is that the water table is high going into the season."

Wilson says that MUFPA does not have its own equipment, but that the FPAs in the province have better capacity than last year. "This is due to the fact that they are continuously improving their systems and infrastructure," he explains.

The challenges of the UFPA will be the high-fuel loads and the many landowners who are neglecting their fire preparedness and response responsibilities. Wilson says that the lack of finances in FPAs, lack of political will from some State departments and municipalities are some of the recurring concerns for the fire season ahead. "Everything else is in the hands of the weather and right and wrong ignition in the right or wrong place and time."

MUFPA resources: MUFPA will have access to an Air Tractor 802 that will be on line by mid-July, mentions Wilson. "The AT-802 is a formidable fire fighting aircraft. It will be based out of Nelspruit and I am very much looking forward to working with what is considered the best single-engine

air tanker in the world," he enthuses. Wilson mentions that WoF now has 20 teams in the province, which will provide much need assistance to combat the fire season ahead.

The UFPA has a good working relationship with the Mpumalanga PDMC and is presently forging links with State and parastatal entities in the country, reports Wilson. He says that the MUFPA membership incorporates all the FPAs and 'as many State departments that we can get links into'. He adds that there could be a more tangible and better interaction with State departments and landowners in Mpumalanga.

Eastern Cape Province

Eastern Cape Umbrella Fire Protection Association (EC UFPA) manager, Thinus Botha, says that the region has had its problems with heavy rainfall, which has resulted in a build-up of biomass.

The wildfires in informal settlements in the region presents a 'major challenge' for the FPAs in the region, states Botha. "Unfortunately a lot of fires spread out of those areas. It is quite challenging. We need support from national level for aerial fire fighting in our region."

The EC UFPA has only been in existence for the past 12 months and much of the UFPAs tasks have been to get the different stakeholders on board and working with the regional FPAs.

The UFPA has focused on improving its operational structures and systems as opposed to gaining additional equipment. Botha says, "There are more role players and systems put in place instead of more equipment. If you have all the equipment and do not know how to implement it, it is not effective."

The UFPA will draw on the fire fighting personnel and resources of local landowners, along with regional FPAs, WoF teams and volunteers, in order to effectively battle the winter fire season. "In terms of aviation, we have three helicopters from private companies and two additional helicopters from the national resources and there are two spotter planes," reports Botha. ►



L-R – Floating Trophy, District Floating trophy, Local Municipality Floating trophy and in front – Annual trophies x 2 (One each for district local and town)

► Independent stakeholders in the region have invested in new equipment, with forest companies, specifically, upgrading ground capacity and other resources. Botha mentions there are four new WoF teams that will be dedicated to combating the fires in the region this year.

There is a need for additional FPAs to be set up in the rural and farming areas, states Botha. He says, "All FPAs around the forest companies are more active and proactive than your standard farming FPA, because of the risks involved. I would think that is the case countrywide."

EC UFPA training: The UFPA has initiated various training programmes for its management staff, says Botha. "We have ICS training for management staff and we have also done fire boss training for FPAs in forest areas. We have done a lot of training for fire fighters and then also a number of fire protection officer training for peace officers."

Botha says that the UFPA received assistance from national Government for the peace officer training in the Eastern Cape.

DAFF, the Free State PDMC and the EC UFPA have a long standing relationship in collectively combating the fire risks and incidences in the Eastern Cape, mentions Botha. He says, however, "We don't get too much support from national. That is the reason behind the national advisory forum. We are trying to address those challenges in terms of working with Government departments."

Southern Cape Province

The Southern Cape Fire Protection Association (SCFPA) is in a geographical region that experiences a year-round

fire season, that extends from the summer season in the last quarter of the year, through to the winter months from June to August.

SCFPA chairman and DAFF fire advisor, Paul Gerber, says that the long-term forecast show a dry winter in the SCFPA region with hot northerly winds expected to be followed by cold fronts on a regular basis. The hot northerly winds, also termed berg winds, are the SCFPA's main concern. "We already had 18 fires in May, showing the potential for runaway fires over the winter months," says Gerber.

He says that the perceived challenge for the winter fire season ahead is responding to all the fires experienced at once in the region, owing to a lack of adequate resources. Gerber mentions that the SCFPA's preparations for the forthcoming fire season include the implementation of integrated fire management strategies, as well as awareness campaigns, media liaising and general management of the FPA.

The FPA, which also serves as the UFPA for the region, has a staff complement consisting of 10 managers and administration personnel working with WoF teams in the Goudveld and Riversdale region, both of which are heli-tack teams, says Gerber. The FPA will administer aerial support between July 2013 and October 2013, in the form of one chopper that will have a capacity of 1 200 litres per drop, mentions Gerber. The SCFPA's operational area is the entire region in the Southern Cape including the Eden District Municipality in the Western Cape.

SCFPA resources: Gerber says that new resources available to the UFPA for the 2013 fire season are a radio

communication system and three additional vehicles to transport teams. New operational teams and personnel at the UFPA include one new manager at the George base and one new WoF team at the George base.

Gerber says that the SCFPA is in partnership with the local disaster management centre and with the PDMC, via the respective UFPA's in the region. The UFPA also is in a cooperation Fynbos Fire Project, that implements integrated fire management programmes in the fynbos biome.

The SCFPA conducted training courses in preparation for the forthcoming season and this included heli-safety leader training for FPA managers and base managers. He adds that one extension officer and one FPA area manager did a fire simulation training session. The SCFPA was recently divided into two areas, with two area managers in order to provide more effective area coverage and to facilitate a quicker response times to fires in the region.

Gerber reports that the SCFPA has seen an additional 226 members join over the last financial year, forming a combined total of 1 434 members for the UFPA in 2013. Gerber says that more State land owners and private properties should become members of local FPAs.

Limpopo Province

"Late rains in the eastern part of the Limpopo province results in delays in the burning of firebelts and there is a possibility that not all prescribed burning will be completed by 1 August 2013," says Limpopo UFPA (LUFPA) chairman, Trevor Phillips.

He says that dry conditions with a moderate risk of wildfires, is the initial forecast for the region. The UFPA represents a total of 19 FPA's in the province as recognised by DAFF in 2012.

The UFPA will be served by two national resource helicopters and spotters based at Bela-Bela and Polokwane this season. A dedicated helicopter and spotter will be based at the Letaba Fire Protection Association, which serves as the administration ►

► base of the LUFPA. A new dispatch centre in Bela-Bela and expansion of the Polokwane dispatch are the new developments in the region this season.

"A lack of disaster funding, but having extra aerial resources will make the sourcing of aerial resources cheaper for landowners, due to shorter ferry flights," explains Philips. A total of 21 WoF teams will be active in the province this year, reports Philips. He says that WoF teams will form part of the new ground operations this season and additional aerial support for the region.

LUFPA works closely with the PDMC in Limpopo and is on board the National Veld and Forest Fire Protection Advisory Forum. Philips says that LUFPA has experienced absentee landowners in the province, which would otherwise have presented a more balanced membership mix within the UFPA.

LUFPA training: LUFPA undertook an intensive training programme at the Letaba Fire Week, held earlier this year for stakeholders and fire fighting personnel in the region. The Letaba Fire Protection Association conducted training courses in initial command system (ICS) 200, initial attack and single resource for 93 people from 15 to 19 April this year.

Philips says that the training facilitated by FFA Training and features an international contingent of guest speakers and trainers from the US. "The Fire Week was successful except there was no representation from senior management of landowner companies."

Free State Province

Free State UFPA technical advisor, Malcolm Procter, says that the region has a bleak outlook on the 2013 fire season, owing to above normal rainfall over the past two years. "The prediction from the weather bureau is below normal rainfall from early May, combined with above normal temperatures predicted and this implies that the province will be highly prone to wildfires this coming season," he says.

Procter reports that the winter fire season started early this year. "By mid-April we already passed the

10 000 hectares burnt in the province, reports Procter. During the same period, the town of Boshoff had an 8 000-hectare fire and several other FPAs reported numerous fires throughout the province. Lightning was the cause of all these fires," mentions Procter.

He says that the increasing prevalence of fires can, in part, be attributed to weak governance and weak governance structures, which has resulted in poor and fragmented implementation of fire prevention programmes.

"Some of the factors that contribute to poor governance include capacity constraints, lack of accountability, lack of comprehensive integrated planning and in some instances lack of enforcement. This is particularly evident at municipal dumpsites where fires originate from uncontrolled burning," explains Procter.

A new system that involves the 'typing of fires' has been introduced in the Free State. Procter says, "There has been little effort to incorporate disaster risk concerns into the economic analysis, this will assist in data gathering and lead to an improved set of statistical data in relation to wildfires in the province and for use in ICS."

Free State UFPA resources: The Free State is dependent on ground resources, says Procter. "Most FPAs are under resourced and the burden of first response to a wildfire is in most instances carried by FPAs."

The placement of 21 WoF crews in the Free State and technological advancements in fire fighting has not had the desired impact in the region, according to Procter. "The annual area burnt is still increasing by about 3 000 hectares annually," he says. "Whilst a variety of reasons can be attributed to this, the reality is quite different. It can easily be shown that the problem is much more complex than private landowners improving fire fighting effectiveness."

Four local municipality fire brigades in the province have obtained additional fire trucks. Private landowners have also increased their resources and two FPAs in the province namely, Theunissen and Reitz, have

purchased Mercedes Benz Unimog fire fighting units and the Clarens 'cell' of the Bethlehem FPA has purchased a truck for transporting the WoF team at that base.

Procter says that there is widespread pressure to demonstrate the proper implementation and expenditure of aid resources. "There is a lack of recognition of the potential of wildfires to become disasters," he says.

Procter emphasises the importance of interagency operability and partnerships. "The need for clearly defined governance structures and coordination in terms of planning and implementation, supported by effective monitoring cannot be stressed enough," he says.

Awards initiative: The Free State UFPA has introduced a wildfire compliance award, which is aimed at district and local municipalities and towns, in order to gain their involvement in wildfire mitigation. The awarding of a trophy will be made to municipalities or towns that make the greatest effort towards compliance with the Forest and Veld Fire Act, says Procter.

The award, which is based on predetermined criteria developed by the UFPA, will be presented during an annual Free State UFPA meeting in September. ▲

Benefits of Local Municipalities working with FPAs

(courtesy of Malcolm Procter)

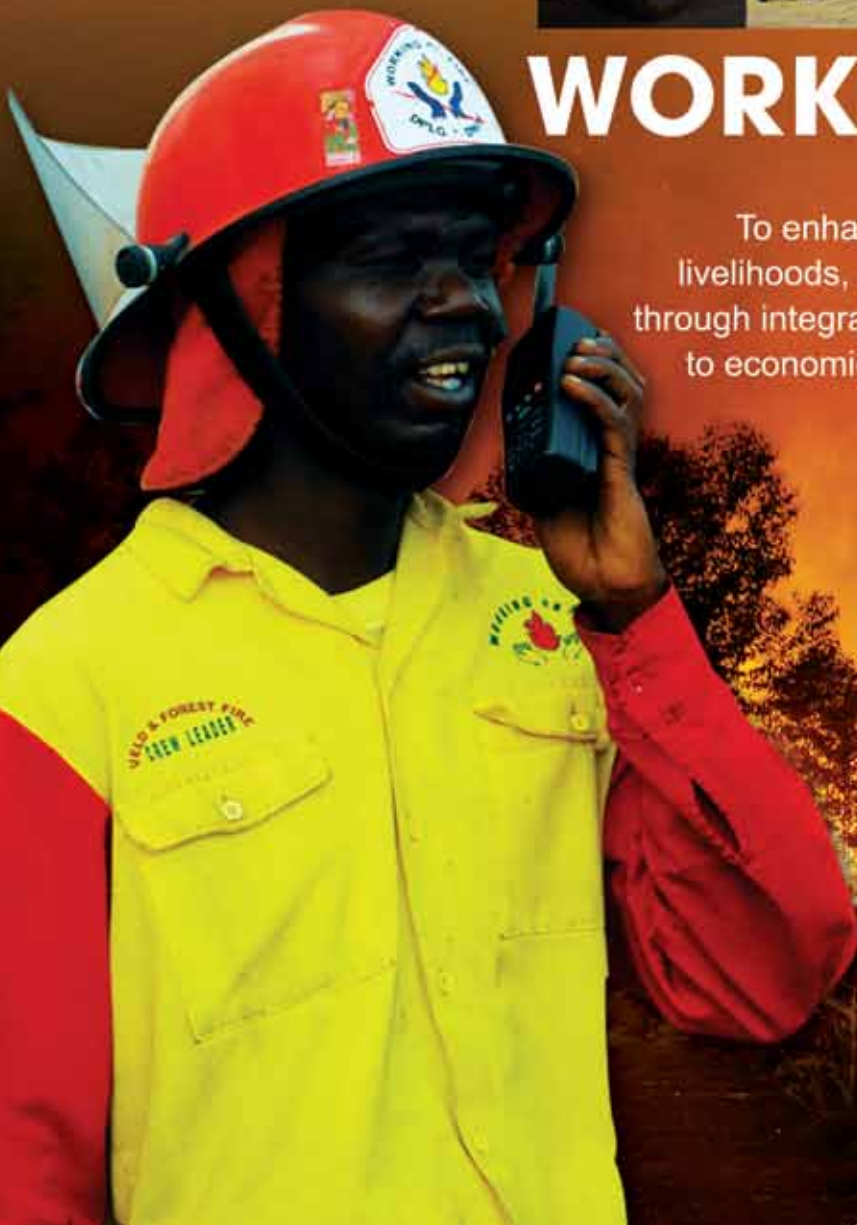
- It can reduce the amount of equipment that the District Municipalities (DM) need to acquire, if organized landowner groups equip themselves or are assisted in procuring larger types of equipment.
- The DMs can provide training or other support where FPA and management units have their own equipment;
- It can reduce the number of official personnel required to operate equipment;
- Response times are improved;
- In less serious incidents, FPAs or management units may not require assistance, allowing the DMs to use the resources elsewhere, which is particularly relevant when there are multiple fires.



WORKING ON FIRE

SCHOLARSHIP FUND

To enhance the sustainability and protection of life, livelihoods, ecosystem services and natural processes through integrated fire management in order to contribute to economic empowerment, skills development, social equity and accelerated service delivery.



The **WORKING ON FIRE (WOF)** Programme is one of the most successful components of the South African governments Expanded Public Works Programmes designed to alleviate poverty through skills training and the creation of job opportunities. The WOF Programme draws beneficiaries from impoverished communities and transform formerly unemployed and in some cases unemployable youth into fit, disciplined and trained veld and forest firefighters, which are deployed at over 100 bases in fire prone areas across South Africa. South Africa has created a world record proportion of women in the ranks of these firefighters, where some 30% are young women.

The impact of this programme has been widely recognized through the accolades which it has been awarded over the years. Not only has the WOF Programme made a huge contribution to South Africa's veld and forest fire fighting capabilities, but the modest remuneration which the WOF Programme beneficiaries receive is a critical relief measure from the depths of poverty experienced by so many in South Africa. Their income represents a real contribution to the lives of the beneficiaries, their families and communities where they live.

WOF beneficiaries not only receive specialized training in various fields related to their veld and forest fire fighting work but are afforded to progress in the ranks of the WOF structure to become Type II then Type I crew leaders as well as branching out into the management and administration functions in the programme. Some 84 former fire fighters have already progressed into such positions such as instructors, regional managers, media and community liaison officers, financial clerks, stores and procurement administrators, etc.

The WOF Scholarship Fund is intended to provide resources to aspirant current and former wildland fire fighters still engaged by WOF to pursue further formal training to improve their skills and knowledge. The fund will be managed by a committee consisting of former fire fighters and programme managers, chaired by the executive chairman of FFA Operations, the company implementing the WOF programme.

Contributions will be solicited from the general public, both domestically and abroad, corporate social investment resources and public and private institutions both in the form of general contributions and targeted funding initiatives. Individuals or institutions may also choose to sponsor a WOF beneficiary pursue their further studies or training. The intention will be to register the WOF Scholarship Fund as a public benefit entity to allow for tax deductible contributions from the corporate sector. All contributors to the WOF Scholarship Fund will receive annual statements on the utilization of funds and beneficiary progress.

You are urged to make a contribution to this fund which will greatly enhance the ability of the WOF Fund beneficiaries to improve their skills and knowledge and in so doing improve their employment opportunities and contribution they can make to their communities. Contributions can be made via the enclosed pledge form.

For further information, please contact:

The Executive Chairman,
FFA Operations T/A WORKING ON FIRE,
Email: Abrahams@iafrica.com
Tel: +27 (0) 82 557 5069.

Also see the WOF website at www.workingonfire.org

Or deposit your donation in the following Bank Account:

Account Name: FFA Section 21
Account Nr: 405 953 7280
Branch code: 632005
Bank: ABSA Nelspruit
Ref: Scholarship Fund



FIREWISE

Western Cape wildfire season review

The value of rapid response cannot be overstated

The 2012/13 wildfire season in the Western Cape Province saw a number of major fire incidents which tested the recently developed rapid response programme to its limits.

Major fires that occurred simultaneously in the Cape Winelands, West Coast, Overberg and Eden Districts in January/February resulted in 26 aircraft being airborne and conducting fire fighting activities at the same time throughout the province. This included aircraft from the FFA Aviation (which are contracted by the Western Cape Government), Bird Dog Aviation (on contract to the Cape Winelands District) and the South African Air Force.

The Western Cape Government, together with the city of Cape Town and the five district municipalities in the province identified the need for a rapid response to wildfires in their early stages and established its rapid response programme during the 2011/12 wildfire season. This programme is designed around the principle of responding the maximum amount of aircraft and ground teams to a fire in its early stages. By gaining control within the first hour of the fire, the possibility of a major incident (with the resultant loss of life and property) is minimised. To this end the Western Cape Disaster Management Centre contracted FFA Aviation (Pty) Ltd to provide 24 aircraft consisting on eight Cessna spotter aircraft, eight Bell UH-1 helicopters and eight fixed wing Dromader water bombers.

A scientific GIS based method of determining the optimal placement of these resources is used which takes into account the veld type and age and risk profile of the area. The available resources are then placed in areas where they will be able to respond in the shortest possible time to the maximum effect.

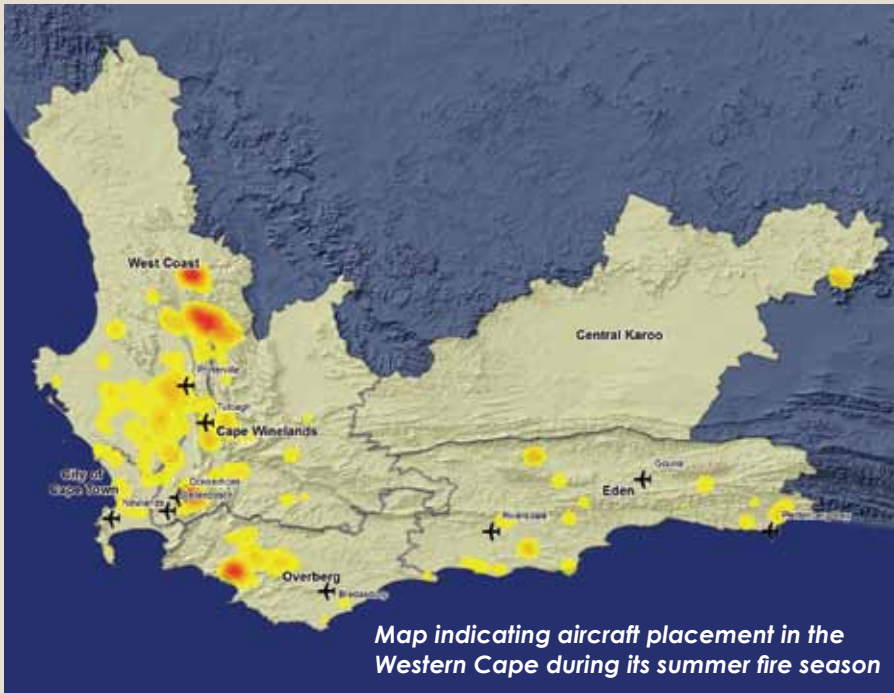
During the 2011/12 season the Western Cape Disaster Management Centre authorised a total of 78 aerial responses of which 65 were controlled in the first hour.

It was decided to increase the number of runways from six to 28 for the 2012/13 season, which significantly improved the response times for the bombers. A very busy season saw the province approve 110 aerial responses with a 95% first hour success rate.

A typical response would work as follows: The chief fire officer of the District Municipality will request assistance from the province while responding his own fire fighting units. The Working on Fire despatch centre will activate a "sortie", which will consist of the closest spotter plane, one helicopter and two bombers. The bombers will make an initial drop on the fire line and then vector in to the nearest runway, where a bomber loading crew will be waiting

to replenish the extinguishing agent. During this time, the helicopter will continue fighting the fire using the closest water source and try to protect the fire line until the return of the bombers. During this last season it was decided to respond four bombers to fire in areas that were equally close to two separate bomber bases. It is obvious that this practice contributed to the high success rate of the programme.

Unfortunately, it is not possible to control all fires within the first hour. These are generally fires that have started at night or in remote areas. Fire services in the province had to deal with a number of very large fires including one which occurred in the Walker Bay region near Hermanus over the week between Christmas and New Year. The most critical period was on 29 December when the fire ripped through the camping area in Walker Bay and threatened the Voelklip residential area. A request from the chief fire officer of the Overberg District, Reinard Geldenhuys, prompted the response of five Working on Fire helicopters and an Oryx helicopter from Ysterplaat Air Force Base in Cape Town. An incident command post was established at the Cape Nature offices in Walker Bay and a provincial incident command team was activated to manage the fire. The fire was brought ►



► under control at 13h00 on Sunday, 30 December; however, ground teams remained on the fire line for a few days after to deal with any flare ups. Subsequent helicopter patrols were also authorised due to the high risk posed by the festive season.

The province experienced its highest intensity of fires at the end of January when four major fires flared up simultaneously. A fire in the Cederberg (Clanwilliam, Citrusdal) had been burning for several days and was threatening to cause widespread damage. The fire was being managed by the West Coast District Fire and Rescue Services with support from the Working on Fire aircraft and ground teams. On Friday, 25 January the chief fire officer, Bertus Senekal, requested the further assistance of the Air Force which responded early the next morning and provided aerial support through the weekend. A second major fire started near Franschoek in the Cape Winelands District on Sunday, 27 January and spread toward the town of Paarl before turning north into the Du Toitskloof area. At the same time the Overberg District was dealing with a fire in the Wortelgat area and Eden District were called to a large fire in Kamanasie North. All these fires needed extensive aerial support and were stretching the ground resources to their limits.

Due to the large volume of requests for support, it was decided to

activate the Western Cape Disaster Management Centre on 29 January. The activation continued for five days and all role players, including the various municipal fire services, Cape Nature and Working on Fire, were represented in the centre to ensure quick decision making and response to requests from incident commanders on the ground. Various security and support services such as SAPS, SANDF, Provincial Traffic and Provincial Emergency Medical Services were also present to provide support in the event of any evacuation or medical emergencies that might have had to happen.

An emergency briefing was given to the Western Cape Minister responsible for disaster management and fire brigade services in the Western Cape, Min Anton Bredell, on the 29th and he immediately arranged for the authorisation of additional funds to cover the costs of the operation.

A massive aerial support capacity was activated and this led to 26 aircraft operating at the same time. All these resources were managed superbly well by the FFA air operations manager in the Western Cape, Francois Weyers, who assumed the role of strategic air operations commander for the incident.

In order to further stabilise the situation and to provide the ground teams with some much needed respite, a decision was made to

request a further 370 Working on Fire fire fighters from the rest of the country. The first of these teams started arriving in the province on the Wednesday, 30 January and were immediately dispatched to the most critical areas to relieve ground crews that had already spent several days on their respective fire lines. All incoming teams were housed at the Wolwekloof camping terrain which is centrally situated and provided all the necessary amenities for their two weeks deployment.

The situation returned to normal by Saturday, 2 February when it was decided to deactivate the centre.

The success of the recent wildfire season in the Western Cape can be attributed to a number of factors. The most important of which are:

- Effective planning. The province has an established provincial fire working group which meets often and includes all stake holders. This group deals with all aspects of the wildland risk and also presides over provincial aerial fire fighting working groups, a ground fire fighting working group and an incident command working group. A comprehensive plan is developed each year which is then provided to the provincial government.
- Government support. The Western Cape Government provides a substantial budget for wildfire fighting each year. This budget is aimed at providing aerial support to the City of Cape Town and the five District Municipalities. During the 2012/13 season, the government provided an additional R3-million to deal with major fires which had threatened large parts of the province.
- Incident command. The province has an established provincial incident command team which consists of wildland fire specialists from various agencies. These individuals are activated in the event of a large fire to support the local incident commander and assume the positions required by the command system.
- Rapid response. The value of rapid response cannot be overstated. The value of property saved is by far in excess of the initial outlay required for a rapid response aerial support programme. ▲

2013

June

1 – 2 June 2013

HELP Training Academy BLS CPR and first aid instructor course

The Basic Life Support (BLS) Instructor Course is a 2 day programme designed to prepare BLS instructors to disseminate the science, skills and philosophy of resuscitation programmes to participants enrolled in BLS Courses. The course provides a structured initiation for instructor candidates and serves as the foundation for their development. It provides instructor candidates the opportunity to develop and refine their presentation and teaching skills. After completing the course, instructor candidates are expected to continue to prepare and practice with guidance from experienced instructors. After a period of mentoring and monitored teaching experiences, the instructor candidate becomes a BLS instructor capable of teaching Resuscitation Council CPR and basic life support courses.

Venue: 16 Terrace Road, Eastleigh Ridge, Edenvale, Johannesburg, South Africa

Contact: Shannon Carroll Tel: 011 609 0131
email: training@helpemt.co.za

For further information visit: www.helpemt.co.za

2 – 6 June 2013

Xtreme industrial fire and hazard training 2013

Xtreme celebrates its 20th Anniversary in 2013 with even more case studies, fire field logistics, live fire rotations brigade for flammable liquids fire response

Venue: Holiday Inn Beaumont Plaza, Beaumont, Texas, USA

Contact: Brent Gaspard Tel: 00 225 288 1199 email: brent.gaspard@tycofp.com

For further information visit: www.williamsfire.com

3 June 2013

South African Qualification and Certification Committee

This is an assessment session only.

Venue: 105 Springbok Road, Bartlett, Boksburg, South Africa

Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpassa.co.za

3 – 7 June 2013

Confederation of Fire Protection Association's (CFPA) Fundamentals of fire investigation

Most advanced programme of its type. This course promotes a clear understanding of fire investigation and the rendering of opinion regarding origin and cause. This includes practical investigation exercises and is now aligned with NFPA 921.

Venue: Cape Town, South Africa

Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpassa.co.za

4 – 5 June 2013

Search and Rescue Seminar (SAR)

This conference has been developed to help identify and address important future international SAR developments. In addition, there will be operational and technical presentations from international civil and military operators from North America, Middle East, CIS, Asia and Australasia

Venue: TBA Bournemouth, United Kingdom

Contact: Kate Niven Tel: 00 44 0 1628 660400 or
email kniven@tangentialink.com

For more information visit: www.tangentialink.com

5 June 2013

FPASA fire fighting evacuation training

Basic theory and practical exercises for the use of portable fire extinguishers and hose-reels on incipient stage fires, duties and responsibilities of fire marshals during an emergency and practical evacuation exercise.

Venue: 105 Springbok Road, Bartlett, Boksburg, South Africa

Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpassa.co.za

6 – 9 June 2013

International hazardous materials response teams conference

The conference promises informative sessions and unique hands on training designed to tackle the most pressing issues facing hazmat professionals

Venue: Hilton Hotel Baltimore, Baltimore, Maryland, USA

Contact: Shannon Gilliland Tel: 00 703 537 4838 or
email: sgilliland@iafc.org

For more information visit: www.iafc.org/hazmat

10 – 13 June 2013

NFPA conference and expo

This conference and expo are the year's largest and most important event for the fire protection, life safety, and electrical, widely regarded as the most comprehensive event in the industry. The event combines an unrivalled educational conference with an expo of more than 360 solution providers. There is no better opportunity to speak with experts, evaluate products, find solutions to your technical challenges and stay current with technological advances in your field.

Venue: McCormick Place Convention Centre, Chicago, Illinois, USA

For more information visit: www.fireproductsearch.com

10 – 14 June 2013

Confederation of Fire Protection Association's (CFPA) fire prevention and safety strategies

Content fully revised in 2011, now covers the theory of fire, legislation, components/operation/use of extinguishers, flammable liquids and gases, hot work, fire hazards of electrical equipment/installations, components/operation/site control of sprinklers and automatic fire detection systems, the organisation

and management of fire teams and occupational fire brigades.

Venue: Durban, South Africa
Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpsa.co.za

12 – 15 June 2013

Fire 2013 - NYSAFC 107th annual conference and expo

The NYSAFC conference and expo provides expanded educational programs, EMS CEU workshops, hands-on training exercises and exhibits.

Venue: Turning Stone Resort, Verona, New York, USA
For more information visit: www.nysfirechiefs.com

16 – 22 June 2013

International fire/EMS safety and health week

International Fire/EMS Safety and Health Week is a joint initiative of the International Association of Fire Chiefs and the National Volunteer Fire Council. The event focuses on the critical importance of responders taking care of themselves both on and off the emergency incident scene.

For more information visit: safetyandhealthweek.org

18 June 2013

Chicago emergency management summit 2013

The Emergency Management Summit brings together the whole community of public and private-sector leaders to help predict, mitigate and better handle crisis situations in order to save lives and property.

Venue: Palmer House Hilton, Chicago, USA
For more information visit: www.emergencymgmt.com

18 – 20 June 2013

IFSEC South Africa 2013

With more than 6 000 visitors expected to attend this year's event, IFSEC South Africa 2013 will present a multitude of networking opportunities. UBM Montgomery is pleased to launch the Firex Pavilion at IFSEC South Africa 2013. To ensure that this new component of the show adds great value to both visitors and exhibitors, the show organisers have partnered with leading industry associations, including the Fire Protection Association of Southern Africa (FPASA). IFSEC South Africa's educational component includes an interactive seminar that runs throughout the show alongside the exhibition. It features top local and international speakers addressing topics such as business in Africa, fire, technology, the local security landscape and how to source the most appropriate solutions for even the most challenging security applications.

Contact: Leigh Miller, Specialised Exhibitions
Montgomery Tel: 011 835 1565
Email: leighm@specialised.com

For more information visit www.ifsecsa.com

18 – 21 June 2013

FPASA Workplace fire fighting I course

A programme covering practical fire fighting for incipient stage/small fires including the use of extinguishers, foam equipment, large diameter hose and BA if required.

Venue: 105 Springbok Road, Bartlett, Boksburg, South Africa

Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpsa.co.za

20 June 2013

Dallas emergency management summit 2013

The Emergency Management Summit brings together the whole community of public and private sector leaders to help predict, mitigate and better handle crisis situations in order to save lives and property.

Venue: Renaissance Dallas Hotel, Texas, USA
For more information visit: www.emergencymgmt.com

23 June 2013

FPASA Basic fire fighting module

The basic theory of fire, methods of extinguishment, components, operations and practical use of fire extinguishers and hose reels. This is a suitable annual continuation or refresher training for persons who have attended the fire fighting and evacuation module.

Venue: 105 Springbok Road, Bartlett, Boksburg, South Africa

Contact: Christine van der Westhuizen
Tel: 011 397 1618/9,
email: college@fpasa.co.za

For more information visit: www.fpsa.co.za

23 – 26 June 2013

The World Conference On Disaster Management

The conference will cover emergency management, resilience and risk management, crisis communication and business continuity

Venue: Metro Toronto Convention Centre, Toronto, Canada

Contact: Merry Clayton Tel: 00 1 888 443 6786
email: mclayton@divcomevents.com

For more information visit: www.wcdm.org

July

15 July 2013

Fire Management in South Africa – Policy and Practice

This course covers: Guidelines for prescribed burning in African Grasslands and Savannas, Veld condition assessments Fire Danger Index (FDI) and disc pasture meter- essential in prescribed burning, the legal implications of the new FDI system, Fire Protection Associations – essential structures for compliance with the National Veld and Forest Fire Act 1998. New developments in satellite imagery for prescribed burning, Post fire veld management, training for assessing veld condition for prescribed burning and field demonstration – spiral multiple ignition.

Venue: Weesgerus Resort, Modimolle, Limpopo Province, South Africa

Contact: Tel: 049 842 4335
email: congress@grassland.org.za

For more information visit: www.grassland.org.za

EMT's Prayer

As I perform my duties Lord
Whatever be the call.

Help to guide and keep me safe
From danger big and small.

I want to serve and do my best,
No matter what the scene.

I pledge to keep my skills refined,
My judgment quick and keen.

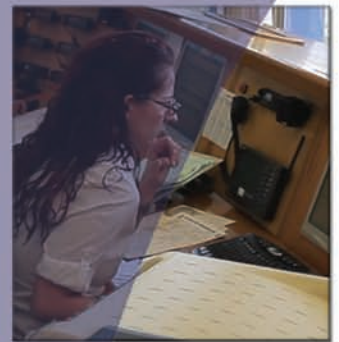
This calling to give of myself,
Most do not understand.

But I stand ready all the time,
To help my fellow man.

To have the chance to help a child,
Restore his laugh with glee.

A word of thanks I may not hear,
But knowing is enough for me.

The praise of men is fine for some
But I feel truly blessed,
That you, Oh Lord have chosen me
To serve in EMS.



FIRST IN INTEGRATED FIRE MANAGEMENT



StabiLift

The StabiLift is a rescue tool which has been developed in conjunction with The Swedish Rescue Services Agency Training School. SRSA required a tool which could be used to prop up cars that had been involved in road accidents whilst emergency personnel were working to free the car's occupants. The StabiLift is more than just a support prop, it can also be used as a lifting device.

Thanks to the The StabiLift's construction, it can be made to lift and take increased load during the rescue as circumstances require.



Lifting and Stabilising all in one tool

A number of accessories come with The StabiLift:

- »» a lifting bow and a four points support head
- »» a lifting grab if there is a requirement to lift the vehicle off the ground or to remove the top from the vehicle
- »» a safety belt to prevent the StabiLift from sliding if the working environment is slippery or unstable.

The StabiLift has a number of advantages e.g.

- »» a removable crank handle (makes it possible to do halfrounds)
- »» adjustable length through 12 different positions and the ability to lift by 60cm per revolution
- »» simple construction
- »» extremely fast to work with
- »» extremely flexible, can be used in many accident situations and indeed many other areas of application.



TEMPEST FIRE

www.tempestfire.co.za

@ tempest@tempestfire.co.za

☎ 011 917 3208