



## Commentary



Scott Lawson

*Welcome to the September Newsletter.*



### FireNZ 2016: 9-11 November

Another month has flown by, and we are in full swing finalising the details for FireNZ 2016. It is a massive undertaking, with many activities going on in the background to make it bigger and better each year. This year, as many of you know, we have welcomed the NZSA into our trade show. There will be some 15+ security companies as well as over 55 fire supplier stands. To put this in perspective, the most we have ever sold was last year in Wellington – 47 stands – so it’s great to see this event continue to grow.

Some have questioned the value of the FireNZ event; however, its growth is a clear indication of it maturing and adapting to the needs of the industry. The trade show is a great opportunity for industry to get together and network; with all suppliers in one place, the time out of your busy day is well spent. A number of new suppliers are attending this year, and you can expect to see the latest and greatest products on display.

We have made FireNZ a 3-day event to fit more in; this enables us to provide more diverse content and appeal to a wider audience. It also means you may choose to attend specific days with topics of particular interest or the full 3-day event. The full delegates’ brochure is available to download from our website: <http://www.fireprotection.org.nz/whats-on/fire-nz-2016/conference>.



### Careers Event

It’s no secret to many of us that the fire protection industry continues to experience a skills shortage. The industry just doesn’t seem to be attracting enough new people at the entry points to maintain sufficient workforce growth in line with the current industry workload. To raise the profile of the fire protection industry as a viable career path for school leavers, FPA, IFE and SFPE have created a careers event at FireNZ 2016. We will be engaging with careers advisors to promote the fire protection industry and show the many possible career options available within it to help attract more youth.

We aim to have representatives from the industry talking for a few minutes on their careers within the industry and

what is on offer. We are looking for representatives from the following areas of the industry: alarms tech, sprinkler tech, HOFFE/FE tech, system designer, CAD operator, product supplier, IFE, SFPE, inspectorates, IQP/EVAC consultant. This is one very practical way in which you can personally help address this shortage in skills – by discussing the benefits of a career in this sector directly with careers advisors. If you would like to offer your services or that of your staff, please contact me.

### Industry Training Initiatives

Along with the need to attract more workers into the fire protection industry, we also need to support the existing workforce with continued professional development. Training is an area that must keep pace with the demand for improving the skill base of workers as they progress

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## Commentary cont.

through their professional careers. Current initiatives by the FPA, FPAA and Competenz to update training material and course content and provide electronic delivery is a starting point. However, we really require a multi-pronged approach to ensure we deliver more of the training required within the industry.

Therefore, it is pleasing that another initiative is being started by the FPA contractors SIG, IFE and SFPE. It shows great promise and will mean we can deliver training resources and equipment to staff needing professional development. Over the coming weeks, we aim to work with a number of parties to produce one or two mobile training facilities. These facilities will likely be 20-foot shipping containers: one fitted out with sprinkler equipment and one with fire alarm equipment.

We are about to formally call for expressions of interest from product suppliers that would like to be involved as supporters or sponsors. We will be offering naming and advertising opportunities for suppliers that come on board with this project. Specifically, the types of support we are seeking for this project are as follows:

- Fire protection equipment, alarm panels, detectors and other ancillary items
- Sprinkler equipment, pump set, valves, pipe, fixings, ancillary items
- Funding/sponsorship to support transportation and the production of training material
- Labour for fitting out

These training rooms will be set up with fully operational kit that will be used to train new staff and upskill existing staff around the country in the sprinkler and alarm disciplines. If you are interested in becoming part of this industry-led initiative and have not already been in contact with one of the project leaders, then please contact us.

## Standards Update

Chris Mak, on behalf of the SSC, has been holding a number of workshops around potential changes to NZS4541. The next workshop will be in Christchurch on Monday 26 September. Spaces are limited, so please RSVP if you plan on attending, and we can provide you with full details. Chris will provide updates on this process over the coming months.

Over the years, SSC has been building up a sum of money to contribute to the update of the NZS4541 standard. It has proven to be a successful method that we could explore for other standards, such as NZS4512, which has not been updated to reflect a number of new technologies. I have lost count of the number of phone calls I have received about when this will happen. I suspect that, in the absence of a funding model similar to that for NZS4541, this update could be some time away. I am interested in working with parties to see whether we can raise some funding to work on updating NZS4512. Specifically, this process could be substantially accelerated if product manufacturers and suppliers were to come forward with funding. In the future, we may also need to use other mechanisms, such as increasing the fees to list new products in the equipment register or adding a levy on system inspections.

I am sure some of these funding models might raise the eyebrows of various parties. However, our world is increasingly operating within a user-pays system, and the cost to review and update standards is not insignificant. Standards NZ cannot fund every update, so alternative models must be explored. As an industry, we need to discuss how we fund the ongoing development of these standards, as I am sure you all realise NZS4541 and NZS4512 are not the only standards needing attention. As always, I welcome your feedback and views on this matter.

Regards,  
**Scott Lawson**  
*Executive Director, FPANZ*



Fire Protection Association New Zealand

## NEWSLETTER

## Advertising Rates 2016

We are pleased to offer the following rates for those members who are interested in newsletter advertising.

	Casual	3 Issues	6 Issues +	Dimensions (H x W)
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## Passive Fire Protection Update

- Author **Ron Green** - Passive Group Chair

### Passive Tip of the Month

#### Don't be Complacent when it comes to Passive Fire Protection

The turnout for the August Passive SIG meeting was great with 20 in attendance. Thanks to the faithful who attend and contribute especially those who travel from out of Auckland. We welcomed Fiona to the Passive SIG meeting who did a remarkable job of the minutes considering we were all talking a language she had never heard before.

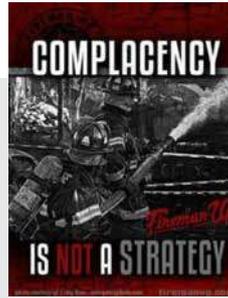
Much of the meeting was discussing the draft BRANZ Passive Document with critical input. The second main topic was in regard to the protocol of what is required to be undertaken when it is not possible to install a fire stopping system to the AS Standards which are specified in Acceptable solutions. It was agreed that the process in previous newsletter is the only practical way forward.

The FPA are enthusiastic at being able to be part of the MBIE Fire Review in regards to Passive Fire Protection which commences mid-September. From these meetings it will provide an opportunity for others to be engaged as we work towards solutions of current issues.

All SIG chairs are required to stand down for the upcoming AGM with new Chairs elected (current SIG chairs are able to re-apply for the position), so this is my last newsletter. I encourage those who are passionate about Passive Fire Protection and have the energy and time to think about putting your name forward for the Passive Sig Chair role. I would like to take this opportunity to thank those who have been a support and encouragement in my role as the Passive SIG Chair for the past few years.

One member said at the last meeting that Passive has come a long way in the past few years and yes he is correct. There have been a core group of people including myself who have been blowing the PASSIVE TRUMPET out loud with often many of the notes falling on deaf ears while other notes have been music to others ears! We welcome the trend to people taking notice however so many people are still complacent when it comes to Passive Fire Protection.

In the past few years the cost of fire stopping installation has increased, however that is because previously it was not often installed incorrectly with



unskilled and untrained people just squirting some sealant or PU Foam into a penetration. While that is still the case in many areas the knowledge and awareness has increased the need to install fire stopping correctly.

There are still unfortunately a few of the 'old timers' who do not want to belong to the FPA and who have been in the fire stopping business for over 20 years still doing things their own way as they have 'got away with it' for many years as they were known as the experts. Unfortunately for them others are now checking their work only to find out systems not installed correctly or worse they are just making their own rules, often negligent, as they skim some sealant over a penetration and put a label on it stating DO NOT DISTURB this penetration. Their time is up and maybe some litigation claim will in the future make them think? Time will tell.

I have been in Fire Protection and Building compliance for the past 38 years and while it is not regarded as one of the 'fun industries' in the world today, for me it still challenging and exciting as we help protect people / property and assist in reducing risk. When training Councils, Builders, IQPs and many more I am surprised that most people don't think we have many fires in New Zealand on an annual basis. They don't even know about some of the large fires we have had in the past few years. While we have been fortunate not to have many disastrous fires with many fatalities they are only a fire away!

As an IQP I often take (yes I have admitting to actually stealing) door stops jamming fire / smoke stop doors from various buildings including some hotels I have used, only to be told, don't worry we will take them away if we have a fire! People are complacent when it comes to fire!

I get told that we have never had a fire and during a fire drill we will be out of the building in 3 minutes. While that may be right in a drill, 3 minutes may be too long and in a real decent fire people act differently and with different outcomes!



## Passive Fire Protection Update cont.

### Passive Tip of the Month

Many who are not in the fire protection / building compliance industry are often casual and complacent when it comes to fire and don't think of the consequences of fire and smoke spread. It's like most things in life; if you have never experienced a situation or know of someone else who has, then it won't have the same impact. I always recall a person still within the industry who bought a smoke detector as a present for their friends new first baby. They thought it was an odd present but was told to install it straight away. That smoke detector saved their baby as later on a fire started in the baby's bedroom and if it wasn't for the smoke detector operating it would have been a tragic ending.

In the Passive arena our members work in, many of the customers and even some professionals are just like the parent, wondering what is the chance of a fire happening or we will be out here in minutes? People say to me what is the chance of smoke spreading into the next apartment or the stairwell? Unfortunately, this type of thinking is short sighted, which means we need

to change people's attitude, something the NZFS have been working on for years.

We are hoping that with the MBIE review of Passive Fire Protection, Construction Monitoring and Post Construction Inspection; many within the industry including the FPA will be able come up with practical changes to how Passive is installed, inspected and maintained that will have a positive outcome for all concerned. Some of the Passive members will have stands at the Fire Conference, come and talk to us as I am sure we can all educate you some more and share some stories!



*Fail of the Month*

### Fail of the Month

This PU foam was installed recently by an Electrician who thought this is all you had to do for stopping the spread of fire to the floor above. He said he had done it for years!

## Event Schedule September - December 2016

22nd September 2016	<b>National FPA NZ Board/ Council Meeting</b>	Auckland
3rd October 2016	<b>HOFFE Group SIG Meeting</b>	Auckland
4th October 2016	<b>Passive Group SIG Meeting</b>	Auckland
5th October 2016	<b>Evac Group SIG Meeting</b>	Auckland
6th October 2016	<b>Inspection Group SIG Meeting</b>	Auckland
7th October 2016	<b>Contractors Group SIG Meeting</b>	Auckland
9th - 11th November 2016	<b>FireNZ CONFERENCE</b>	Auckland
17th November	<b>National Council FPA NZ Board Members Meeting</b>	Wellington
5th December 2016	<b>HOFFE Group SIG Meeting</b>	Auckland
6th December 2016	<b>Passive Group SIG Meeting</b>	Auckland
7th December 2016	<b>Evac Group SIG Meeting</b>	Auckland
8th December 2016	<b>Inspection Group SIG Meeting</b>	Auckland
9th December 2016	<b>Contractors Group SIG Meeting</b>	Auckland

## Evacuation Consultants Group Update

Author **Ela Langford** – Evacuation Consultants Group Chair

### Greetings Evacuation Consultants

I trust all is well with you.

I take this opportunity to share some thoughts relating to fire safety in 'over' crowded buildings.

As we perhaps all have come to know some older multi story buildings and care facilities, otherwise fully compliant, may present with one or a number of staircases that may be deemed inadequate for people with disabilities and/or for the number of people occupying the building/ floor level.

I ponder how effective existing schemes and its evacuation strategy might be in a situation of overcrowding and /or additional greater than before disability occurs. Currently a scheme is designed for a life cycle of a building, unless changes as outlined in the Fire Service Act 1975 and in the Fire Safety and Evacuation of Building Regulations 2006 occur that would warrant a new application, the existing scheme remains binding indefinitely.

It is safe to say that the ability to amend a scheme in accordance would come handy in a situation described as above. I ponder if an entry of occupancy load on BWOFF could be of help? Or perhaps an evacuation scheme and its evacuation strategies should record and reflect changes in occupancy load and also disabilities and if so, how this may be administratively addressed?

Surely overcrowding and increased disability lead to a need for adjustment, such as the estimated time it will take to evacuate the floor area/level/ building.

Overcrowding may also affect how many people are able to access and use the staircase at any time safely during a required evacuation. An 'all out' strategy may once have been appropriate but may now need to be reviewed and revised. Should those that lead the evacuation procedure know, inform, instruct and staff be trained accordingly?

Often cost of providing new and/or additional staircases and or fire protection systems for better suitable egress routes and to address changes would be considered disproportionate to the estimated benefits. This places the responsibility to review, develop risk assessment procedures and effective evacuation strategies onto the owner and/or tenant. In a multi-story building with a number of individual tenancies, who is to know how many (total) people are in the building at any given time during operational hours?

Do building owners and/or tenancies know of and comply with the maximum occupancy numbers, allowed for a building and outlined in a fire engineering report? Older buildings may not have a fire engineering report to collect such information from, so where from here?

And then there is the issue of where do 'so many more' people gather safely and move to. Should evacuation strategies consider and be reflective of changes in occupancy numbers, disability and changing needs in space?

How does the Evacuation Consultant, conducting a trial evacuation drill, know and address increase in occupancy numbers and/ or disabilities affecting the evacuation procedure? In the absence of not being able to apply for amendment of a scheme, Evacuation Consultants have the option to report, advise the owner and NZFS, and additionally facilitate a liaison between the owner and the Fire Service Risk Assessment Team.

Evacuation Consultants encouragement to engage with the NZFS Risk Assessment Team to seek better solutions may be perceived as threatening by some building owners. Much public education and reassurance is needed to create ease and open a path of transparent discussion.

In the meantime, additional allocated staff and staff training may be considered a viable option in providing further risk management support and better safety for all occupants.

I trust the upcoming technical sessions at our next EVAC meeting will be a treat and stimulate rich discussions. The presenter is: Todd O' Donoghue's speaking on "Evacuation gone right and evacuation gone wrong". He will be sharing from his rich repertoire of NZ Fire Service experience.

Look forward to seeing you all there.

*Your Chair*  
*Ela Langford*



## HOFFE SIG Update

Author **Lance Hunt** - HOFFE SIG Group Chair

Hello to the HOFFE members, September update below.

### SURVEY UPDATE:

#### Major Milestone Met with HOFFE Survey

Todd ODonoghue, National Advisor Fire Risk Manager has confirmed the progress of this project, we encourage all members to download and read the report. The link can be found on both the New Zealand Fire Service and FPANZ web site. Todd has confirmed the NZFS have now completed all the notifications and sign off we had to achieve to get the HOFFE report publically available. It has now been released and posted to our public website [here](#). 

The critical next stage is how we use this information to educate and change behaviour FPANZ will be working with NZFS, MBIE, Property Managers, FPANZ Members & Insurance.

Please keep sending in the survey forms in 2016 and we will do our best to keep the momentum going note the email address [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz)

#### Worksafe New Zealand

The HOFFE Special Interest Group initiated a meeting with Kim Comben, Principal Specialist Hazardous Substances Worksafe New Zealand. This was an opportunity for the importers to have discussion around Fire Extinguisher cylinder compliance in New Zealand for both the importer and service providers.

The group have initiated a meeting with Worksafe and CTLA (Cylinder testing laboratory association) in September and will work through the common issues both parties have.

HOFFE Code of practise is currently in a draft stage and to be released for comment.

NZS4503:2005 the cost to amend the standard is potentially a 100-150K budget which will need to be funded by interested parties I am currently in discussions with Chris Mak in regard to this process and timing.



## Contractors Group Update

Author **Chris Mak**- Contractors Group Chair

### Greetings Contractors

Discussions are progressing well with IFE, NZFS, FPANZ and industry suppliers regarding the possibility of having a "training Container" constructed, which will eventually be able to be used for apprentice block courses as part of the NZQA qualifications. A small working group has visited the NZFS training facility in Rotorua to see what is available and how we can leverage the use of NZFS facilities. We will keep you posted on progress over the coming months.

A meeting was held in Auckland to discuss contractor driven recommendations to amend NZS4541. This meeting included a presentation showing Aon's recommended changes. Approximately 40 recommendations for amendment were made by the contractors that attended that meeting. We will be scheduling a similar presentation and working group in Christchurch on the 26th of September.

Standards New Zealand have indicated that they are supportive of the need to revise NZS4541. If you have any recommended changes, please feel free to email one of Aon's Sprinkler Certification Team.

The next Contractors Sig meeting is on 7th of October at the FPA office

## FireNZ 2016 is on SALE this month!

### Early Bird Sales for FIRENZ Conference & Tradeshow 2016

The IFE, SFPE and FPANZ are please to announce the release of the FIRENZ 2016 delegates brochure. This year is bigger than ever, a few of the key points to note are.

- The conference is now a full 3 day event
- Three separate site visits available on day one
- Over 50 Fire trade show stands this year
- For the first time we welcome the NZSA (New Zealand Security Association) with 15+ trade Exhibitors

A careers afternoon to show case the fire industry to careers advisors

Don't delay, get you application form in today to ensure you get the early bird discount on full three day registration. If you have any questions please feel free to contact one of the FPANZ team.



*We look forward to seeing you there.*



## Get to Know the FPANZ Council

### Kris Tocker - Elected Members Representative

I joined Fire Security Services in 1998 as a CAD operator and spent 2 years in their contracts department. I then decided to head to Sydney where I worked for a couple of Tyco companies as a Contracts Manager after 3 years there I did a small stint in Cairns for a year before returning to NZ.

I briefly worked for Entire Fire before being approached by Fire Security Services to work as a their National Telecom Account manager for their Firetronix branch. After a year in this role I was offered a position in Tauranga with Fire Security Services as the BOP Installation Manager.

After 7 years in this position I set up Ultra Fire Protection which has been running successfully for the last 5 years.



# NZS 4512 Formal Interpretation FI-121 : Aspirating Smoke Detectors to AS 7240 part 20

Author **David Prosser** – Chair of NZS 4512 Interpretations Group

Standards NZ has recently published NZS 4512:2010 formal Interpretation FI-121 confirming acceptability of Aspirating Smoke Detectors (ASD) to a new standard AS 7240.20 and clarifying the applicable transport times.

Historically, ADS systems had to comply with AS 1603.8, and were permitted a maximum transport time of 90s.

ASD systems to AS/ISO 7240.20 can have 3 different sensitivity classes. The maximum permitted transport times for each of these classes are: 60s (Class A), 90s (Class B), and 120s (Class C) respectively.

It has also been clarified that the 15s maximum equipment response time of clause 204.6 is additional to the ASD transport time. FI-121 (and all the rest of the Fire Formal Interpretations) can be found [here](#): 

## Fire formal interpretations

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09/08/2016

FI-121

NZS 4512:2010 *Fire Detection and Alarm Systems in Buildings* – clauses 216.2 and 603.12.

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<b>Question:</b>	<b>Interpretation issued by the Alarms and Detection Group</b>
<p>New standards AS 7240.20-2012 and AS 1670.1-2015 now allow for 3 sensitivity classes of aspirating smoke detector (A: Very High, B: Enhanced, C: Normal), with permitted transport times of 60s, 90s, and 120s respectively.</p>	
<p>(1) Are aspirating smoke detectors complying with AS 7240.20-2012 permitted?</p>	<p>(1) Yes. AS 7240.20-2012 is identical to ISO 7240-20:2010 which is already listed in clause 216.2.</p>
<p>(2) Does the 90s maximum transport time period specified in clause 603.12 apply to AS 7240.20 or ISO 7240-20 compliant aspirating smoke detectors?</p>	<p>(2) No. The 90s of clause 603.12 applies to AS 1603.8 aspirating smoke detectors. For AS 7240.20 and ISO 7240-20 aspirating smoke detectors the applicable maximum transport times are: 60s for Very High Sensitivity (Class A), 90s for Enhanced Sensitivity (Class B), and 120s for Normal Sensitivity (Class C) aspirating smoke detectors.</p>
<p>(3) Does the transport time period of clause 603.12 include the permitted equipment response delay of clause 204.6?</p>	<p>(3) No. The 15s (maximum) of clause 204.6 is additional.</p>



**STANDARDS  
NEW ZEALAND**  
PAEREWA AOTEAROA

# COMPLIANCE SCHEDULES ss3/2 Access Controlled Doors

The following statement has been produced between the Fire Protection Association (FPA) and New Zealand Security Association (NZSA). This statement is intended to provide guidance to members of both Associations on the protocols for preparing Compliance Schedules and ensuring that ultimately, our customers are provided with consistent and appropriate advice in relation to fire and security or access control systems.

A Compliance Schedule is a document that contains specific information about, and procedures for, specified systems within a building. Section 103 of the Building Act requires that a Compliance Schedule must state:

- the specified systems that are covered by the compliance schedule
- the performance standards for the specified systems
- the inspection, maintenance, and reporting procedures to be followed for each specified system
- the specified systems that relate to the following:
  - i) means of escape from fire
  - ii) safety barriers
  - iii) access and facilities for persons with disabilities
  - iv) hand held hoses for fire-fighting
  - v) any signs that are required by the Building Code or section 120 of the Building Act

We have recently become aware of situations involving the preparation of Compliance Schedules, specified system 3/2 Access Controlled Doors where customers

are being given conflicting information by their Fire and Security providers and where potentially, that may compromise the safety and security of their people and their assets.

It is the view of both the FPA and NZSA that where there is a standard, code of practice or similar document covering a specified system, that document must be used in determining the compliance schedule requirements. This will ensure that customers are receiving industry best practice.

In the case of specified system 3/2 Access Controlled Doors, the NZSA Code of Practice for Electronic Access Control states that regular service checks and preventative maintenance are to be performed on all systems in addition to annual inspections by the IQP. The Compliance Schedule should therefore reflect appropriately scheduled maintenance checks in addition to the annual IQP inspection.

Any questions or concerns on Compliance Schedule protocols should be directed to the Executive Director of the FPA or the CEO of NZSA.



# Are Active Fire Systems able to keep up with Auckland's Apartment Boom?

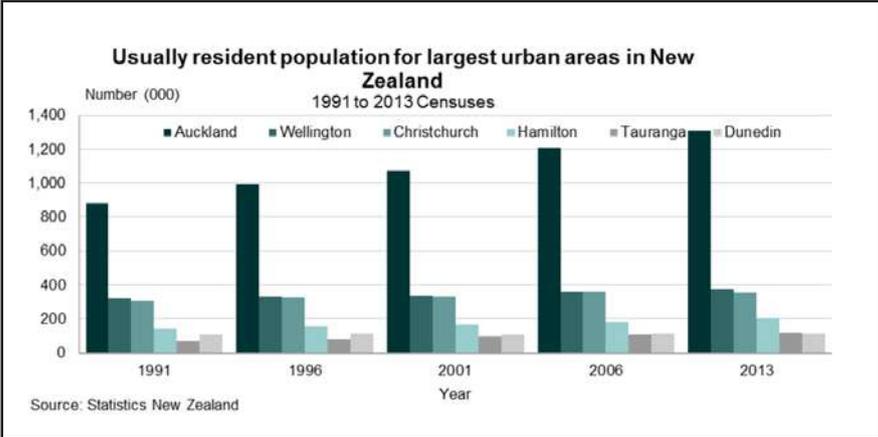
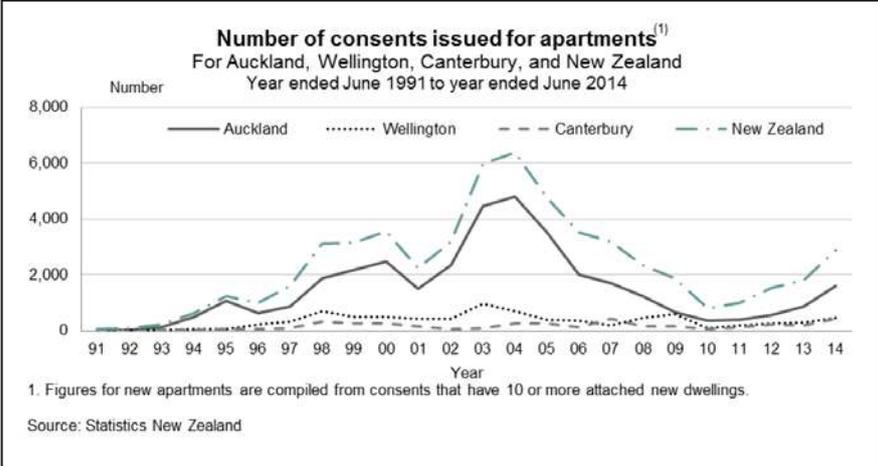
Author **Geoff Cardale** - FPIS

With increasing density of housing in Auckland, and apartments now representing over 14% of all residential dwellings, and almost 50% of overcrowding is in our nation's biggest city, are our active fire systems able to keep up?

As per the graph (right) there is now an increasing trend for consents being issued for apartments across our major cities, with Auckland leading the trend.

With increasing population in our major cities, and the proposed Unitary Plan for Auckland, Apartments and central city living will be part of the transformational change proposed in the Auckland Plan.

The photos below show a dual picture of overcrowding which creates issues for the safe evacuation of residents, and storage in apartments could overwhelm the extra light hazard sprinkler system, causing substantial loss and risk to life safety.



As inspection bodies we need to be increasing vigilant in identifying these types of risks which are changing as apartment life becomes more of a reality for people shut out of the property market due to increasing prices of housing in our major centres.



## Increasing Engagement of Students a Win for the Fire Protection Industry



**Firetech Training Limited**  
Providing Nationwide Education  
& Training in Fire Systems

Firetech Training has noticed a substantial increase in student activity. We are receiving more calls from students than ever before. The number of scanned Assessment Tests has increased considerably. Increasing engagement from students is showing positive results. The number of students completing their years work within time has skyrocketed.

All of this additional activity has delivered a 29% increase in Assessment Tests received this year compared to last year.

It is our aim to contact every student registered with Firetech Training. Have you had the phone call from Ilona yet? A big thanks to Ilona for chasing up students directly.

Competenz regional staff can assist you to achieve your qualification. There is increased engagement from Taupo to Auckland – thanks to John Stevenson.

In addition, Firetech have also experienced an increased in Competency Based Assessments in the last few months and receiving further applications.

**Keep up the good work everyone. We look forward to receiving more completed assessments.**

*Jim Kelly*  
National Training Manager

## BE IN TO WIN A \$100 FISHPOND VOUCHER



***There's still plenty of time to get in the draw to win a Fishpond Gift Voucher, so send in your assessments now.***

We believe in rewarding hard work and effort.

Any assessments received before 30th September 2016 will go in the draw to win 1 of 4 Fishpond Gift Vouchers worth \$100 each.



**Firetech Training Limited**  
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& Training in Fire Systems

*For all enquiries please contact:*  
Liza on 09 448 0434 or  
Jim Kelly on 021 560 161  
email [info@firetech.co.nz](mailto:info@firetech.co.nz)

## COMPETENCY BASED ASSESSMENT

Firetech offers competency based assessment (CBA) process to those who have been in the Fire industry for 5 - 7 years to achieve their National Certificate in a shorter timeframe, dependant on the technician's capability.

***This is for all Installers, Testers and Inspectors of Fire Alarms, Sprinklers, Hand Operated and Passive Systems. Helps you get your IQP Status.***

***Could this be you?  
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*For all enquiries please contact: Liza on 09 448 0434  
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# Building Controls Updates

## 5 September 2016 - No. 196

MBIE is seeking your views on proposals for regulations and a methodology that will support the Building (Earthquake-prone Buildings) Amendment Act when it comes into effect in 2017.

Consultation opened on 2 September 2016 and runs until 15 December 2016. The proposed regulations and methodology set the new approach for identifying and managing earthquake-prone buildings.

### Regulations

MBIE is consulting on regulations in the following areas:

- defining the meaning of “ultimate capacity” to clarify the level of seismic performance required to help councils determine whether a building is earthquake-prone
- the criteria for the level of other building work that will trigger the need for early seismic strengthening to be carried out
- specifying the characteristics earthquake-prone buildings must have to be considered for exemptions from the requirement to undertake remedial work

- establishing an earthquake rating system that provides a measure of a building’s expected performance during an earthquake
- the appearance of public notices describing an earthquake-prone building’s level of seismic risk.

### Methodology

The proposed earthquake-prone building methodology sets out how councils will identify earthquake-prone buildings. It also outlines the criteria for acceptable engineering assessments for earthquake-prone buildings.

### Submissions

View the proposals and information on how to provide a submission on the **MBIE website**. 

### Questions

Send any questions relating to clarification of the consultation process or the discussion documents to [epb@mbie.govt.nz](mailto:epb@mbie.govt.nz)

## FPANZ Team-Up Calendar

We now have a great new online calendar system for keeping an eye on events that are relevant to our industry and FPANZ.

This can be accessed a number of ways, from our website, or from the link below, or you can even subscribe to the ical links below and your own calendar will be updated with the events and changes if you subscribe to them.

Presently we have four calendars the web address to view them online is:

<https://teamup.com/ksc0886ddcfa7efb7b>  CLICK TO VIEW

The ical links are below, you can add the ones you want and need or All calendars. For instructions on how to link these to outlook, or other calendar applications please click

<http://calendar.teamup.com/kb/subscribe-teamup-calendar-feed-from-other-calendars>  CLICK TO VIEW

Calendar	Web Address
Board Meetings	<a href="webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726262.ics">webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726262.ics</a> 
Council Meetings	<a href="webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726263.ics">webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726263.ics</a> 
Members Meetings	<a href="webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726274.ics">webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726274.ics</a> 
SIG Meetings	<a href="webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726275.ics">webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/726275.ics</a> 
All Calendars	<a href="webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/0.ics">webcal://ics.teamup.com/feed/ksc0886ddcfa7efb7b/0.ics</a> 



# Avoiding the Potholes of Fire Sprinkler Design - No. 3

Author **Stephen Ridder** - Aon New Zealand

Aon has prepared a series of articles to help those designing a sprinkler system arrive at the right design decisions and avoid costly time consuming problems.

Continuing from article 2 in the August newsletter we now delve into contractual requirements over and above the requirements of NZS4541 that need integrated into the design. On projects where there are formal specifications these documents will specify a range of design inputs that the fire contractor needs to integrate into their design. To ensure a smooth project we suggest that contractors seek out and identify such requirements to ensure that the system they deliver does satisfy all the requirements of the contract.

NZS4541 is the minimum required standard to which the sprinkler system shall be designed and constructed. This means that when something is specified that is less than the minimum requirement of NZS4541 then the requirement of NZS4541 needs implemented. When the specification calls for something which is at odds with the requirements of NZS4541 the requirements of NZS4541 must meet; in such cases good practice is to discuss with the project engineer to seek a resolution that meets all parties' needs rather than just ignoring what the specification has called for. When the specification calls for something which exceeds the minimum requirements of NZS4541 it is not for the SSC or inspector to decide if the finished system meets that parameter; confirming compliance with the specification is the domain of the project engineer.

The specification is a multifaceted document that seeks to serve multiple agendas such as:-

- a) any item that the engineer wishes designed beyond the minimum criteria given in NZS4541:2013,
- b) the interaction with other aspects of building design,
- c) to ensure the sprinkler system is designed to at least the minimum requirements of the fire report,
- d) to capture any requirements of the project resource consents,
- e) any specific design requirements of the owner's insurer,
- f) the owners risk management policies,
- g) any agreements made with the New Zealand Fire Service,
- h) to detail any aesthetic requirements of the project to deliver the 'look' that the building owner desires.
- i) best practices, addressing known issues/deficiencies,
- j) Future proofing,
- k) Safety in Design, Green star or other performance standards,
- l) Local body requirements,

- m) Utilising new technology,
- n) to achieve longer life, easier testing...

Some project engineers will require the minimum criteria given in NZS4541:2013 to be exceeded for no other reason than they wish for a greater design to be used, as the project engineer, this is within their remit. For example, some engineers will specify polyethylene pipe for all underground pipe even though 4541 allows PVC; this is because polyethylene pipes have superior performance during a seismic event. Another example is maximum bracket spacing and minimum rod sizes where the engineer has chosen to follow a more rigorous bracketing regime.

In some cases, the sprinkler system needs designed in a manner that is consistent with other parts of the building design. The project engineer may have identified certain areas in the building where closer coordination between trades is required and may have detailed some solutions or restrictions. For example, there may be restrictions on pipe size or pipe location without further input from the structural engineer to void over loading certain structural members. Or the engineers may stratify the ceiling space to simplify coordination between services. Additionally, the engineer may have identified a range of design outputs that the sprinkler designer needs to advise the project engineer on; such as minimum drain size required in the valve room, minimum opening size of the FSI window, or penetrations required through the structure.

On some projects the fire engineer has had to exceed the requirements of NZS4541 as part of their fire engineering design and these items are part of the fire report documentation agreed the Building Consent Authority. It is normal that the relevant design inputs for the fire sprinkler system will be captured within the detail of the specification. For this reason we caution contractors on 'tagging' out of certain clauses of the specification. The use of quick response sprinklers, window drenching sprinklers, and secondary water supplies come to mind as examples of such exceedances.

From time to time there will be obligations or limitations placed upon a project by the requirements of the resource consent. Examples of such include, disposal of testing water, noise generated by plant, and historic places concerns. A good specification will capture how any requirements of the resource consent are to be designed for. For example, in the case of a limitation on noise the specification may call for a residential grade muffler on the diesel engine of the fire pump.

It is not uncommon for owners and insurers/brokers to agree specific engineering details as part of an insurance agreement. As such these details will hopefully have been communicated to the project engineer for inclusion in

### Avoiding the Potholes of Fire Sprinkler Design - No. 3 - Continued

the specification. For example, the general office design maybe specified as 4.1mmx139m<sup>2</sup> as the agreement was for minimum NFPA13 densities.

Many multisite owner or occupiers have their own fire protection and risk management policies. In many cases the minimum design requirements in these policies will exceed those of NZS4541:2013. In the case of large multinational corporates, most have global policy requirements. It is not uncommon for these policies to require area/density designs or bracing and bracketing far greater than the minimum of NZS4541:2013. On one project the global policy required area density design of 4.1x280m<sup>2</sup> and limited the spacing between sprinklers to 3.6m for the offices.

It is not uncommon during the design of the building for the fire engineer and the New Zealand Fire Service to discuss aspects of the fire design and agree certain outcomes. The engineer will incorporate the relevant design inputs into the specification for the contractor to include in the system. Such agreements maybe more than just the location of the FSI and control valves.

The sprinkler standard contains no requirements to make the system look nice nor to space sprinklers in a manner sympathetic to the space; such matters are the preserve of the specification. It is here that requirements to space sprinkler symmetrically within a space and to line up with other ceiling features will be detailed. The specification may call for the sprinkler pipe and components to be certain colours or labelled in a certain manner. Occasionally the specification will restrict areas that sprinkler pipe may not be on show or will detail how exposed pipe is to be run so to minimise the visual impact.

Where the specification has specified a seismic loading factor for the project Aon, as the SSC, will require that this factor is used. This is because clause 403.12.1 requires that higher seismic acceleration values are to be used when specified by the owner.

As we are all aware there are several items in the sprinkler standard where the correct answer maybe subjective. For example, corrosion and frost mitigation measures for sprinkler systems are in many respects a balance of cost versus reward and such a balance are best done by the owners' representative. When the sprinkler contractor can point to the engineers' specification as to the measure(s) to be taken that may satisfy the SSC that the potential problem has been evaluated. Note that following a specification blindly does not free the contractor of their obligations to meet the requirements of the standard. Where the contractor has a differing opinion, they should discuss with the project engineer and come to an agreement for presentation to the SSC for confirmation.

We do note that most contracts require the Certificate of Compliance from the SSC as one of the documents required from the contractor to demonstrate compliance with the contract but it is not always the only one. It would be wrong to represent the Certificate of Compliance as meaning the sprinkler system system has met the terms of contract; the CoC merely states the system complies with NZS4541:2013. Confirmation of having meet the contract is a task for the project engineer.

If there is any topic that an FPA member would like our thoughts upon feel free to email myself and we will look at writing up a discussion about.

## In The News...

### Three-storey New Westminster apartment building collapses after being gutted by fire

**METRO VANCOUVER** - Sprinkler systems are being urged for older apartment buildings following a fire in New Westminster early Friday that caused the building to collapse, displacing dozens of residents.

Based on the article by Tiffany Crawford, Vancouver Sun, February 1, 2014. Read the full article [here...](#) 

### Politicians fiddle with laws as buildings burn

The way Quebec politicians and others are carrying on, you'd think that the automatic sprinkler system was an untried, still slightly sketchy, cutting-edge technology and not one proven up the yingyang in the 142 years since it was invented

### Apartment buildings without sprinklers 10x more dangerous...

Between 2006 and 2011, the death rate in apartment buildings without sprinklers was 23.1 for every 1,000 fires. In apartments with sprinklers, it was 2.1 deaths for every 1,000 fires.

Based on the article by Bruce Constantineau and Tiffany Crawford, Vancouver Sun, April 5, 2013: Sprinkler appeal follows fire death. Seniors advocate calls for government funding to make older buildings safer. Read the full article [here...](#) 

# Fire NZ

2016

CONFERENCE & EXHIBITION

## HOW SAFE IS SAFE?

*Evolving Fire Safety.*

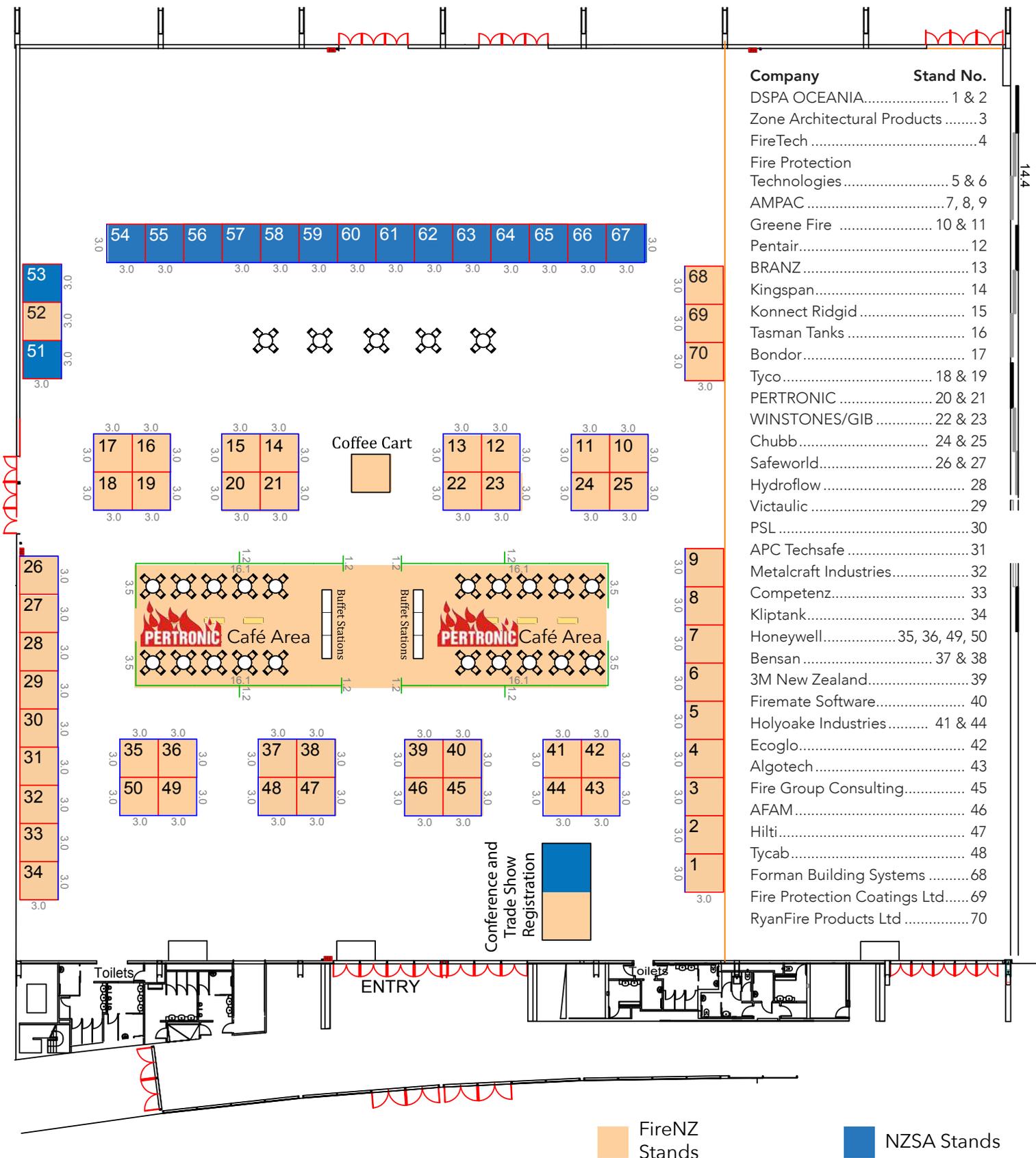


9<sup>TH</sup> – 11<sup>TH</sup> NOVEMBER 2016  
ASB SHOWGROUNDS  
GREENLANE, AUCKLAND

# EXHIBITION FLOORPLAN

Pav 4

Pav 3



Company	Stand No.
DSPA OCEANIA.....	1 & 2
Zone Architectural Products .....	3
FireTech .....	4
Fire Protection Technologies.....	5 & 6
AMPAC .....	7, 8, 9
Greene Fire .....	10 & 11
Pentair.....	12
BRANZ.....	13
Kingspan.....	14
Konnect Ridgid.....	15
Tasman Tanks .....	16
Bondor.....	17
Tyco.....	18 & 19
PERTRONIC .....	20 & 21
WINSTONES/GIB .....	22 & 23
Chubb.....	24 & 25
Safeworld.....	26 & 27
Hydroflow .....	28
Victaulic .....	29
PSL .....	30
APC Techsafe .....	31
Metalcraft Industries.....	32
Competenz.....	33
Kliptank.....	34
Honeywell.....	35, 36, 49, 50
Bensan .....	37 & 38
3M New Zealand.....	39
Firemate Software.....	40
Holyoake Industries.....	41 & 44
Ecoglo.....	42
Algotech .....	43
Fire Group Consulting.....	45
AFAM.....	46
Hilti.....	47
Tycab.....	48
Forman Building Systems .....	68
Fire Protection Coatings Ltd.....	69
RyanFire Products Ltd .....	70

FireNZ Stands

NZSA Stands

# MEDIA RELEASE



## Competenz, FPA New Zealand and FPA Australia enters into major training partnership

Competenz are transforming the way the New Zealand fire industry learn with help from the Fire Protection Association Australia (FPA Australia) and Fire Protection Association New Zealand (FPANZ). The partnership will help deliver best practice industry training to the industry through the development of an online learning solution.

The three parties have committed to working together to share learning content, to support consistency of training between the two countries and enable shared savings in resource development costs.

Specifically, the partnership will allow learning resources developed by FPA Australia to be modified for the New Zealand market and then delivered online by Competenz, supported by FPANZ.

Competenz General Manager Product Development and Quality Assurance Nick Thomson said he hoped to make the new learning materials available to the New Zealand fire protection industry in 2017.

"FPA Australia will shortly provide their learning materials to help inform our development of the new online programmes," he said.

Competenz has assembled a team to transition the content from the Australian context. Once these materials have been adapted to meet the New Zealand requirements, we will be making announcements about the availability of these qualifications."

"These materials have been sorely needed in the New Zealand market for some time and we look

forward to offering them to learners and ensuring the best possible learning materials are developed for this critically important industry."

FPA Australia CEO Scott Williams said the move would lead to more consistent educational outcomes for learners in New Zealand and Australia.

"Our vision is reducing the risk of fire to life property and the environment, for a safer community and this agreement goes a long way towards achieving this," he said.

"This partnership will ensure that best practice fire protection industry training can be conveniently delivered to learners in New Zealand and this will greatly increase the portability of skills as individuals move between our two countries."

Scott Lawson, FPANZ Executive Director said the agreement paved the way for closer ties between all the organisations in the future.

"This initiative is just the start of a strong partnership between our organisations to ensure we can continue to deliver for our members and the broader fire protection industry," he said.

"By sharing resources and costs, all learners will benefit and we know we are delivering the best quality industry training available. FPA Australia should be congratulated on the quality of their training materials, which are world class, and we are delighted to be able to access them."

More information about each of the partner organisations is available from their websites:



[www.fireprotection.org.nz](http://www.fireprotection.org.nz)



[www.fpaa.com.au](http://www.fpaa.com.au)



[www.competenz.org.nz](http://www.competenz.org.nz)

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## SAFETY SPOTLIGHT

- There's still time to enter the Site Safe Construction Health and Safety Awards! It's free to enter and there are a range of categories to suit your business. This is your opportunity to shine – check out details [here](#). ➡
- Employers that invest significantly in health and safety programming can outperform other companies in the marketplace – the finding of a new international study in the Journal of Occupational and Environmental Medicine – read more [here](#). ➡
- WorkSafe has developed a quick reference guide to summarise the key aspects of the Health and Safety at Work Act 2015 – it's a great and easy read – download it [here](#). ➡
- Fatigue and work. If you missed this Nine to Noon interview with worker fatigue expert Professor Drew Dawson, check it out [here](#). ➡ Professor Dawson warns that sleeplessness can affect performance as much as alcohol.
- WorkSafe is reminding organisations using any machinery that they must ensure the machinery is maintained according to manufacturers' instructions and that they have an effective system in place to identify faults – following [this prosecution](#) earlier in the month. ➡
- The [www.asbestosaware.co.nz](http://www.asbestosaware.co.nz) website has now been updated to reflect the Asbestos Regulations 2016. ➡
- Tweeting about us? We'd love to see more of our signatories use social media channels like Facebook, Twitter and Linedin to continue our safety conversations. Make sure you use our hashtag #canterburyrebuildsafetycharter – and if you're keen to become a social media champion contact Kate Wright.

## Graham's View

One of the things I'm noticing from my many years in this industry is its growing sense of professionalism. Builders are no longer considered to be 5th form drop-outs or born into the trade, they're educated and innovative, some are business people, most are ambitious, keen to make a good living and willing to make a great contribution.



Construction is built – excuse the terrible pun – on change. And nowhere is this change more obvious than in the Heath and Safety environment. Granted we've had change as a result of legislation, but there are few who would argue it wasn't warranted.

Legislation has challenged the status quo and to some degree it will transform the way we work. But even before the HSWA was enshrined, change was already evident. Heath and Safety is so much more structured than it was; it's an organised, embedded discipline and no longer the realm of the guy on light duties or the wife looking after the books.

The new sense of professionalism is evident in the range of learning and development opportunities on offer. Locally, we're hosting a Heath and Safety Rep networking event next month – designed to help like-minded people build relationships, find out about training opportunities and generally raise the capability of HSRs. The event recognises the critical role of HSRs in our industry's Heath and Safety system.

Another event worth noting is the inaugural Health and Safety Association of NZ (HASANZ) Conference. True to their conference theme - 'Illuminate, Challenge, Transform' – the programme has attracted some high profile presenters who I'm sure will provoke debate, discussion and new ideas. There's more information about the speakers [here](#).

And finally of course, there's our Charter Event in a few days. Diary it in now – Wednesday 31 August from 5-6pm. Our guest speaker is Marianne Archer from civil construction firm, Goodmans. She'll talk to us about their Health and Safety philosophy – 'keeping it simple' – and the tangible impact it has had for their business.

Graham Darlow | Charter Steering Group Chair

## Leadership questionnaires out now



Evaluating the leadership performance throughout your organisations just got easier. We've produced leadership questionnaires for each of the four areas: directors, senior managers, site supervisors and workers, to match the leadership guidance notes and tool currently available. The beauty of the questionnaire is that it can be easily printed off in pdf form, handed to those on site, or who may not have access to a computer regularly, and get them to fill it in. The questionnaires are available next to the guidance notes and tool in the members' area of the Charter website. Take a look [now](#). ➡

**Charter results now easy to download.** ➡

We're also pleased to let you know that you can now download all the results from the Charter tools via the members' area. Previously you could view the results online, but they're now able to be downloaded into a spreadsheet for you to save and use.

As a reminder, the data is only available in aggregate form, signatories' individual results are only able to be viewed by them.



**CHARTER NEWS**

# Getting your Worker Engagement Right

We're looking forward to seeing you at our next quarterly event on Wednesday night (31 August) focused on Worker Participation, Engagement and Representation – one of the Charter's ten commitments.

Changes to the law under the Health and Safety at Work Act 2015 have seen new requirements for organisations in this area – particularly those in high risk industries such as construction.

We're delighted to host Marianne Archer from Goodmans, to talk about how their simple approach in this area has paid off. We'll also be releasing our updated factsheet on Worker



Participation and Health and Safety Reps – as well as new toolbox talks on some of the new critical risks listed in the revised Charter.

If you haven't RSVP'd do so now [here](#). ➡

# 'Pearls of Wisdom' from the Charter Mentoring Programme

Rob Sloan was one of the first Charter members to put his hand up to mentor others. Here's a snapshot of his experience...

*The mentoring session I had with my mentee went very well.*

*As we are both residential builders there was a lot of synergy in what we discussed.*

*We found we had similar ideals however different challenges, as our business models and projects differed in type and scope.*

*I found as a mentor I was able to help my mentee with what was his major challenge. i.e. he was wanting to discuss thoughts and ideas on how to keep his sub trade base and employees engaged and motivated in their approach and attitude to Health and Safety. His desire is that the engagement is to be sustained over a period of time with a goal of it becoming habitual behaviour.*

*We talked about ongoing engagement from himself as an owner and the requirement to be highly visible and proactive in his own Health and Safety practices, and to own it himself as much as the resource/person he had employed to implement and maintain the Health and Safety processes in his business. I shared a lot of my own experiences here with him.*

*I also in return received some pearls of wisdom on methods and initiatives he was using in his business to manage his Health and Safety on site and within his business.*

*I believe the mentoring process we have established is fit for purpose for all of us. i.e. to sit with a peer and share experiences and ideas. Especially to discuss what has worked and what hasn't, and our current challenges.*

If you would like to know more about the Charter Mentoring Programme, visit the members' area of the website [here](#) ➡ or get in touch: [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz)

## WELCOME ABOARD

A warm welcome to our newest 'batch' of Charter signatories:



We now have 340 signatories and endorsees – so thanks to everyone who has supported, nominated and challenged other businesses to sign up for safety!

## ACC Data Update

ACC's Canterbury Dashboard is now being produced quarterly. The next update will be available in October 2016.

## CHARTER NEWS

### Occupational health pilot report

Many Charter organisations were involved in the WorkSafe mobile occupational health van that ran in Christchurch in July 2015 and March this year to carry out health checks of construction workers.

Overall 272 construction workers took the opportunity to have their blood pressure, cholesterol and blood glucose checked. WorkSafe’s Donna Burt has now completed a project report on the van – finding that 43 construction workers (or 16% of those checked) were advised to seek further evaluation from a doctor as their results indicated they may be at risk of cardiovascular disease and diabetes.



To view the full report, visit the WorkSafe website [here](#). Thank you to all of you who took part in the pilot. The Occupational Health Van will run for one final time in March 2017.

## COMING UP:

**7-9  
SEP**

**Have you registered for the HASANZ Conference 2016?**

See the full programme [here](#).



**20  
SEP**

**Managing work-related health on my construction site.**

Join Donna Burt from Worksafe and Libi Carr from the Safety Charter at a small workshop on managing work-related health on a construction site.

The two-hour session will cover the Health and Safety at Work Act, the Safety Charter, Managing work-related hazards and risks, treating health like safety, service providers, resources and programmes.

**Time:** 7:00 - 9:00am - resources, tea, coffee and a small morning tea will be provided. WorkSafe Offices, Lincoln Road

**RSVP:** Numbers are limited to 20 people, so get in quick, by emailing [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz)

**23  
SEP**

**Let’s get together: Health and Safety Representatives**

Health and Safety Representatives (HSRs) provide an important role in our organisations, and help to build positive health and safety practices at work. We want to bring HSRs from across the Charter and rebuild together to:

- help you build relationships with other HSRs
- provide you with updated information and education about your role and the training required
- understand where the Charter can help you to develop your knowledge further and how it can be applied on the ground every day
- help HSRs within construction work together on improving H&S in the rebuild and support each other.

Facilitated by Charter Officer Libi Carr and Jo Duffy from Safe Rebuild, this inaugural event is open to all HSRs within Charter organisations, and other organisations involved in the rebuild. We’ll be looking for feedback from you on how future sessions will run.

**Time:** 6.30-9am, breakfast is included.

**RSVP:** by 16 September 2016 to [libi.carr@safetycharter.org.nz](mailto:libi.carr@safetycharter.org.nz)

**Please note:** this event is aimed at HSRs in your organisation, not managers with Health and Safety responsibilities and/or those specifically employed in a Health and Safety role. If you are not a HSR but know someone who is, please forward this information to them and any HSRs within your organisation.

## Fire Research & Investigation Unit

# Heads Up



### BACKGROUND

A devastating fire in one end of a house (that had been divided into two tenancies) highlighted the importance of internal fire separations between tenancies. Subdivision of existing buildings may occur when a building undergoes a change of use, or tenancy requirements are changed.

The purpose of fire separation is to prevent fire and smoke entering other occupancies inside a building or between adjoining buildings. This provides a higher level of protection to neighbouring occupants, especially when they are asleep. The increasing pressure for housing in many areas in New Zealand is contributing to the rate of both Code Compliant and unconsented building works including subdivision of residential houses.

The Building Act 2004 requires various levels of rated fire separation for buildings of different occupancies. However in all cases the materials employed for construction require a Fire Resistance rating classification which consists of 3 components (fire, smoke and insulation value) and is expressed in time format e.g. 15 minutes, 1 hour etc. The construction work is also required to comply with the building code and manufacturer's instructions.

### Incident Details

A fire occurred on the 20 July 2016 in a residential house which had been separated into two tenancies. The main unit and the minor unit were both occupied at the time of incident and were both fitted with working smoke alarms.

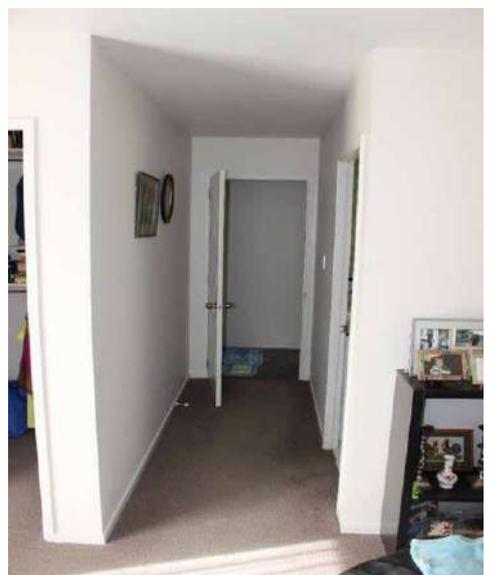
The building was originally a single residential house and was converted approximately 3 years ago and a Code of Compliance Certificate was issued upon completion.

The fire started as an electrical fault in a ceiling mounted extraction fan in the bathroom and quickly spread throughout the ceiling void of the occupancy breaking into the main unit and causing widespread destruction in that tenancy. When the fire reached the internal wall separating the two tenancies, the fire separation prevented fire spread into the adjoining unit and enabled the safe escape of the occupant and the extinguishment of the fire in the main unit.



Photo above shows extensive fire damage in first unit.

Photo below shows undamaged adjoining unit in same house protected by a well constructed fire wall.



The adjoining unit remained almost totally undamaged. Inspection of the ceiling void above the main house revealed an intact fire separation which extended from the walls below terminating at the roof junction. Effective fire separation requires wall to floor and subfloor junctions to be sealed correctly where applicable.

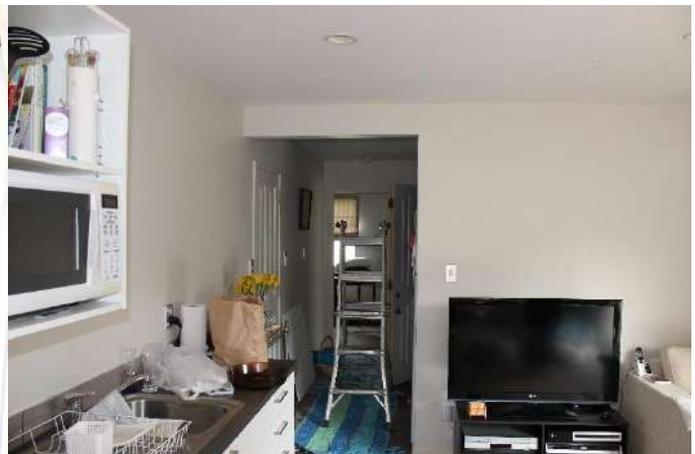


Image above shows fire damage in ceiling space of fire affected unit. The fire separation wall is visible in the rear of image.



Image above shows partial roof collapse on the fire side of the separation wall.

The Fire Service frequently observes poorly finished fire separation junctions or penetrations made through fire walls after construction to allow access for pipework or wiring. Inadequate fire stopping allows fire to spread into adjacent fire cells. However this house fire example highlights how effective well-constructed fire separation can be in containing a fire to a single fire cell.



The photos above clearly show the value of effective fire separation in reducing damage in the event of a fire in a subdivided house.

#### LESSONS LEARNED/RECOMMENDATIONS

- Fire separation is an effective means of providing fire protection for occupants in subdivided houses.
- The value and protection provided by fire separation is only effective when the fire separation is installed in accordance with fire design and manufacturer's instructions.
- All required work needs to be consented, consequently inspected and a Code Compliance Certificate issued on completion

#### FURTHER INFORMATION

New Zealand Fire Service Documents - Fire Investigation Report #F2117966

# FPANZ Council for 2016-17

<b>Executive Director:</b>	Scott Lawson
<b>President:</b>	Keith Blind
<b>Vice President:</b>	Chris Mak

## **ELECTED MEMBERS REPRESENTATIVES:**

<b>Stephen Read</b>	BECA
<b>Geoff Cardale</b>	Fire Protection Inspection Services
<b>Geoff Willis</b>	Metalbilt Doors - a Division of RCR Infrastructure
<b>Les Mellars</b>	Active Fire Consultants
<b>Richard Stewart</b>	AFAM
<b>Simon Nathan</b>	Fire Security Services
<b>Kevin Borley</b>	AMPAC
<b>Kris Tocker</b>	Ultrafire
<b>Michael Belsham</b>	Ministry of Business, Innovation & Employment (MBIE)
<b>Rob Fenton</b>	Pertronic Industries
<b>Chris Orr</b>	Fire Protection Association Australia

## **CHAIRS, SPECIAL INTEREST GROUPS:**

<b>Ron Green</b>	Passive Fire Protection Group
<b>Chris Mak</b>	Contractors Group
<b>Ela Langford</b>	Evacuation Consultants Group
<b>Lance Hunt</b>	HOFFE Group
<b>Jason Godsmark</b>	Inspectorate Group
<b>TBA</b>	Training Group

## **ASSOCIATED INDUSTRY GROUP REPRESENTATIVES:**

<b>Ron Green</b>	Association of Building Compliance
<b>Trent Fearnley</b>	Institute of Fire Engineers NZ Branch
<b>John Lucas</b>	Insurance Council of New Zealand
<b>Rob Saunders</b>	New Zealand Fire Service
<b>Geoff Merryweather</b>	Society of Fire Professional Engineers (NZ Chapter)
<b>David Prosser</b>	New Zealand Fire Equipment Manufacturers Association

## **BOARD MEMBERS:**

<b>President:</b>	Keith Blind
<b>Vice President:</b>	Chris Mak
<b>Immediate Past President:</b>	David Nathan
<b>Appointments:</b>	Sarah Nathan
	Rob Fenton
	David Prosser
	Paul Marshall
	Chris Orr
	Treasurer - TBC

# LISTINGS

## Current Financial Members of the Fire Protection Association of New Zealand Financial Year 2016/2017

### PLATINUM MEMBERS



Chubb New Zealand  
Fire Security Services Ltd  
New Zealand Fire Service

Tyco New Zealand Ltd - Trading as - Wormald  
Winstone Wallboards Ltd

### GOLD MEMBERS



Ampac Pacific Ltd  
Argus Fire Systems Service Ltd  
FFP Canterbury Ltd (Fire Fighting Pacific)  
Fire Protection Inspection Services Ltd  
Fire Solutions Limited

Firewatch New Zealand Ltd  
First Fire Systems Ltd  
Guardian Alarms Ltd  
Nationwide Fire Protection Ltd  
Opus International Consultants Ltd  
Pacific Building Services Ltd  
Pertronic Industries Ltd

Potter Interior Systems  
PSL - Phillips & Smith Ltd  
South Pacific Fire Protection Ltd  
Steel & Tube Holdings Ltd  
Triangle Fire Protection Ltd  
Tyco New Zealand Ltd - Trading as -  
Tyco Fire Protection Products

### SILVER MEMBERS



Alan Wilson Insurance Brokers  
Alliance Fire and Security  
Almak Ltd  
AON New Zealand Ltd  
Aquaheat New Zealand Ltd  
Armitage Systems Ltd  
AssetCare Ltd  
B & M Sprinkler Ltd  
BECA Carter Hollings & Ferner Ltd  
BRANZ Ltd  
Coating Technologies Ltd  
Competenz  
Compliance Fire Alarms Ltd  
Compliance Fire Protection Ltd

Cowley Services Ltd  
Ecoglo International Ltd  
Elite Fire Protection  
Fire & Mechanical Contracting Ltd  
Fire Control Services Ltd  
FFP Nelson Marlborough Fire Ltd  
Firepro Centabuild Ltd  
Fire Protection Compliance Ltd  
Fire System Maintenance Ltd  
Hydroflow Distributors Ltd  
IANZ  
Kingspan Insulated Panels Limited  
RCR Building Products NZ Ltd Trading as -Metalbilt Doors  
RedCrow Limited

Promat Australia Pty Ltd  
Property Brokers Compliance Ltd  
Protech Design Ltd  
Safety First NZ Ltd  
Select Alarms  
Tansley Electrical Ltd  
Tech Group of Companies -  
Electrotech Controls Ltd  
Tycab NZ Limited  
Tyco New Zealand Ltd -Trading as  
ADT Fire Monitoring NZ  
UniFire Ltd  
Viking Sales & Services Ltd

### BRONZE MEMBERS



3M New Zealand  
Active Fire Consultants Ltd  
Actron Fire Services Ltd  
AFAM Ltd  
Affordable Fire Protection Ltd  
Alarm and Power Services Ltd  
Alarm New Zealand Ltd  
Allied Alarms Limited  
Allproof Industries NZ Ltd  
Argest Technical Services  
Auckland Independently Qualified Persons Ltd  
Babbage Consultants Ltd  
Ballard Consulting  
Bondor NZ Ltd  
Brooks New Zealand Limited  
BSC Fire Protection Ltd  
Building & Fire Safety Ltd  
Building & Fire Services (2008) Ltd  
Capital Fire Extinguishers Ltd  
Central Fire Design Ltd  
CLC Consulting Group Ltd  
Complete Fire Protection Services Ltd  
Cosgroves Ltd  
CoveKinloch Building Compliance and Asset Management Limited  
CSD Sealing Systems (NZ) Ltd  
Eastland Fire Compliance & Locking Ltd  
Electrinet LTD  
Emergency Management Solutions Ltd  
Engineering Design Consultants  
Enlightened Solutions Ltd  
Fire & Building Compliance Ltd  
Fire and Safety Training Ltd  
Fire Corp Industries Ltd  
Fire Engineering Services Ltd  
Fire Extinguishers Ltd

Fire Group Consulting Ltd  
Fire International (NZ) Ltd  
Fire Protection Services Ltd  
Fire Protection Technologies Ltd  
Fire Risk Management  
Fire Safety Equipment Ltd  
Fire Safety Net Ltd  
Fire Sprinkler Installations NZ Ltd  
Fire System Inspections Ltd  
Fireco Limited  
Firetech Training Ltd  
Factory Mutual Insurance Company  
Forman Building Systems  
Galbraith Engineering Ltd  
Global Fire Limited  
H.J Asmuss & Co Ltd  
Hills Building Technologies  
Hilti NZ Limited  
HomeSafe Limited  
HSM Group Ltd  
Hudson Fire Inspections Ltd  
IAG New Zealand Ltd  
iFire Protection Ltd  
James Hardie NZ  
Laser Electrical Blenheim  
Loktronic Limited - ViTech Division  
Macdonald Barnett Partners Ltd  
Mainland Extinguishers  
Marsh Ltd  
Masterguard Fire & Security Ltd  
Maximus Fire Ltd  
National Consultants Ltd  
National Fire Protection Ltd  
Nelson Alarms Ltd  
Norman Disney & Young  
Notifier Fire Systems  
Nova Evacuation Services

Nova Flow-Tec Services Ltd  
NZ Fire & Compliance Ltd  
Origin Fire Consultants Ltd  
Passive Fire Installations Ltd  
QBE Insurance (International) Ltd  
Red Alert New Zealand 2012 Ltd  
Redfire Systems Ltd  
Reliance Fire Protection Limited  
Rhino Fire & Security Ltd  
Richdale Fire & Security 2012 Ltd  
RJ Nelligan & Associates Ltd  
RYANFIRE Products Ltd  
Safeworld  
Security Specialists Ltd  
Shearer Contracting Ltd  
Skycity Auckland Ltd  
Smoke Control NZ Ltd  
Southern Fire Protection Ltd  
Southgate Fire and Safety  
Spot On Fire Protection Ltd  
Steelguard Ltd  
Stephenson & Turner NZ Ltd  
Superior Electrical  
Tag Safe Limited  
Tasman Tanks New Zealand Ltd  
The Connect Group  
Ultra Fire Protection  
Utility Construction Services Ltd  
- Trading as - UCS Passive Fire Protection  
Vero Insurance NZ Ltd  
Victaulic  
Waitemata District Health Board  
Westland Fire Equipment Ltd  
Xfire Ltd t/a Crossfire  
Zone Architectural Products Ltd

### INDIVIDUAL/SUBSCRIPTION MEMBERS



Allan Armstrong  
Ansaar Hussain  
Bruce Brooking  
David Thompson

Ela Langford  
Gareth Edwards  
Graham Ramsey  
Lusi Huang

Mike Vincent  
Murray Crawford  
Paul Clements  
Paul Walters

Peter Thompson  
Peter Whitehead  
Phil Bolton  
Phil Williams

Reid Watson  
Steve Larkin  
Thomas Miller  
Aaron Grey

# LISTINGS

## FPANZ Certified Evacuation Consultants as at September 2016

**Michael Bull**  
**Almak Ltd**  
Napier, 06 843 3482  
Coverage: Hawkes Bay -  
Wellington

**Andy Conway**  
**FFP Canterbury Ltd**  
**(Fire Fighting Pacific)**  
ALL South Island  
Levels: 1, 2, 3, 4

**Phil Jackson**  
**Waitemata District Health**  
**Board**  
Private Bag 93-503  
Takapuna, Auckland  
Level 1, 2, 3, 4

**Lian Khoo**  
**Property Brokers**  
**Compliance Ltd**  
P O Box 5004,  
Palmerston North 4441  
Levels: 1, 2, 3, 4

**John Llewell**  
**Safety Fire New Zealand**  
**Limited**  
PO Box 1830, Auckland 1140  
Level 1, 2, 3, 4

**Ian McKenzie**  
**CoveKinloch Building**  
**Compliance Ltd**  
PO Box 2571  
Shortland Street,  
Auckland 1140  
Level 1, 2, 3, 4

**Jenny Maxwell**  
**Safety First NZ Ltd**  
PO Box 1830, Auckland  
Level 1, 2, 3, 4

**William McClure**  
**Fire Safety Net Ltd**  
PO Box 20299 Bishopdale,  
Christchurch 8543  
Level 1,2,3

**Les Mellars**  
**Active Fire Consultants**  
3A Arran Rd, Browns Bay  
Level 1, 2, 3, 4

**Chris Mellars**  
**Active Fire Consultants**  
3A Arran Rd, Browns Bay  
Level 1, 2, 3, 4

**Diane Thomson**  
**Red Alert NZ 2012 Ltd**  
PO Box 4515 Shortland St,  
Auckland  
Level 1, 2, 3

**Sandra Thomson**  
**Red Alert NZ 2012 Ltd**  
PO Box 4515 Shortland St  
Auckland  
Level 1, 2, 3, 4

**Daniela Ward**  
**Fire Safety Net Ltd**  
PO Box 20299 Bishopdale,  
Christchurch 8543  
Level 1,2,3

## FPANZ Certified Fire Alarm Contractors as at September 2016

**Aquaheat New Zealand Ltd**  
PO Box 51031, Tawa

**Argus Fire Protection**  
PO Box 13508  
Onehunga, Auckland

**Armitage Group**  
PO Box 300 483  
North Harbour, Auckland

**Ask Metro Fire Limited**  
2/30 The Concourse  
Henderson, Auckland 0610

**Chubb New Zealand**  
PO Box 19616, Christchurch  
**All Branches**

**Compliance Fire Alarms**  
PO Box 18817, Christchurch

**Cowley Services Ltd**  
PO Box 13782, Auckland

**FFP Nelson Marlborough Fire Ltd**  
PO Box 2365, Stoke, Nelson

**Fire Control Services Limited**  
PO Box 87-122  
Meadowbank, Auckland 1742

**Fire System Maintenance**  
PO Box 29074,  
Greenwoods Cnr, Auckland

**FFP Canterbury Ltd (Fire Fighting**  
**Pacific)**  
PO Box 22189, Christchurch

**Fire Security Services**  
Private Bag 3207, Hamilton  
**All Branches**

**First Fire Systems**  
PO Box 112120, Penrose, Auckland

**Guardian Alarms**  
73 Rugby Street, Mt Cook, Wellington

**Auckland, Wellington & Christchurch**  
**branches**

**Property Brokers Compliance Ltd**  
PO Box 5004, Palmerston North

**Select Alarms**  
PO Box 544, Hamilton

**Tech Group of Companies**  
PO Box 3016, Napier

**Triangle Fire Protection**  
PO Box 34 449  
Birkenhead, Auckland

**Wormald NZ**  
Private Bag 93011, Auckland 1061  
Coverage: National

## FPANZ Inspection Group as at September 2016

**AON: Aon Inspection Services**  
0800 AON FIRE  
Inspections.admin@aon.com  
Locations: NZ wide with branches in  
Auckland, Hamilton, Wellington,  
Christchurch, Dunedin

**ARGEST: Building and Compliance**  
**Management**  
0800 274 378  
www.argest.com  
contact@argest.com  
Locations: Auckland, Wellington,  
Christchurch

**BUILDING AND FIRE SAFETY LTD**  
**Building and Fire Safety Limited**  
Werner Gebhardt - 0272 97 00 93  
werner@buildingfiresafety.co.nz  
Jamie Roberts - 0272 973 963  
Jamie@buildingfiresafety.co.nz  
Office - 09 476 8019  
Locations: New Zealand Wide

**FPIS: Fire Protection Inspection**  
**Services Limited**  
0800 374 769  
administration@fpis.co.nz  
Locations: NZ wide

**FIRE SYSTEMS INSPECTIONS Ltd**  
Lindsay Morris | 09 833 9126  
lindsay@firesysteminspections.co.nz  
Locations: NZ wide

**KENSWAY**  
0800 KENSWAY | www.kensway.co.nz  
stephen@kensway.co.nz  
Location: Auckland, Christchurch,  
Wellington

# LISTINGS

## Listed Sprinkler Contractors Provided by Aon as at September 2016

### CONTRACTOR NAME LISTING TYPE

Absolute Fire Protection .....	Full
AFS Total Fire Protection (Including Life Safety Service (2010) ltd) .....	Full
Almak .....	Full
Aon Inspections Service.....	Full
Aquaheat Industries Ltd.....	Full
Argus Fire Systems Service Limited.....	Full
Armitage Group Limited.....	Full
Ask Metro Fire .....	Full
B&M Sprinkler Ltd.....	Full
BSC Fire Ltd .....	Full
Central Fire Design Limited.....	Full
Chubb New Zealand .....	Full
Compliance Fire Protection Ltd .....	Full
Cowley Services .....	Full
Electrotech Controls Ltd .....	Full
Emergency Management Solutions .....	Full
Emerson Fire Protection ltd .....	Full
Elite Fire Protection Ltd .....	Full
Fire Control Services Limited .....	Full
Fire & Mechanical Contracting Ltd .....	Full
FFP Canterbury Ltd (Fire Fighting Pacific) ...	Full
FFP Nelson Marlborough Fire Ltd .....	Full
Fire Protection Engineers Limited .....	Full
Fire Protection Inspection Service Ltd.....	Full
Fire Security Services Ltd .....	Full
Fire Solutions Limited.....	Full
Fire Sprinkler Installations NZ Ltd.....	Full
Fire System Inspections Ltd.....	Full

### CONTRACTOR NAME LISTING TYPE

Fire System Maintenance Ltd .....	Full
Fire Systems Consultants Ltd.....	Full
First Fire Systems Limited .....	Full
Homesafe Ltd .....	Full
Hudson Inspections.....	Full
iFire .....	Full
JW Fire Equipment Services Ltd .....	Provisional
Kensway Fire Limited.....	Full
LA Inspection Services Ltd.....	Provisional
Maximus Fire Limited .....	Provisional
Menzies Fire Limited (A) .....	Full
Menzies Fire Limited (B).....	Provisional
Nationwide Fire Protection Ltd .....	Full
Oceania Fire Protection.....	Full
Pacific Building Services.....	Full
Property Brokers .....	Full
Rapid Fire Protection Ltd .....	Full
TA Fire Subs.....	Provisional
Triangle Fire Protection Ltd.....	Full
Southgate Fire & Safety Limited .....	Full
South Pacific Fire Protection Ltd.....	Full
Sprinkler Fitout Specialist Limited .....	Full
Ultra Fire Sprinkler Systems Ltd .....	Full
UniFire Ltd .....	Full
Watson Limited Fire Design Services.....	Full
Wormald (Tyco New Zealand) Ltd .....	Full
Zero Fire Limited.....	Provisional

# LISTINGS

## FPANZ Fire Extinguisher Service Agents as of September 2016

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Actron Fire Services Ltd	(09) 357 6767	actron@extra.co.nz www.actron.co.nz	National, Auckland
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argusfire.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Capital Fire Extinguishers Ltd	04 236 6400	peter.donald@capitalfire.co.nz www.capitalfire.co.nz	Greater Wellington
Chubb New Zealand	0800 800 535	www.chubb.co.nz	National through central contact
Compliance Fire Protection Ltd	(03) 382 1155	glenda@cfpl.co.nz www.compliancefire.co.nz	Christchurch
Eastland Fire Compliance & Locking Ltd	(06) 868 3333	geoff@efcl.co.nz www.efcl.co.nz	Gisborne & East Cape
Fire & Building Compliance Ltd	0800 488 758	info@fbc.co.nz www.fbc.co.nz	Auckland, Waikato, Tauranga, Turangi
Fire Corp Industries Ltd	09 634 6279	mike@firecorp.co.nz www.firecorp.co.nz	Auckland
FFP Canterbury Ltd (Fire Fighting Pacific)	(03) 366 7889 (03) 688 9070	linda@ffp.co.nz timaru@ffp.co.nz www.ffp.co.nz	Christchurch Timaru Canterbury
Fire International (NZ) Ltd	09 524 8847	fireintern@clear.net.nz www.fireinternational.co.nz	Auckland
Fire Security Services Ltd	0800 114 611	simonn@firesecurity.co.nz www.firesecurity.co.nz	National
Firewatch (NZ) Ltd	0800 347 392	sales.support@firewatch.co.nz www.firewatch.co.nz	National through Agents
Mainland Extinguishers	(03) 544 9645	mainx@extra.co.nz	Richmond, Nelson
National Fire Protection (2006) Ltd	(09) 473 6102	nat-fire@extra.co.nz www.nationalfire.co.nz	Auckland, Rodney
Property Brokers Compliance Ltd	0800 226 675	compliance@propertybrokers.co.nz www.propertybrokers.co.nz	Lower North Island
Reliance Fire Protection Limited	0800 25 25 65	rod@reliancefire.co.nz www.reliancefire.co.nz	Christchurch, Canterbury
Southern Fire Protection Ltd	(03) 476 7873	southernfire@extra.co.nz southernfire.co.nz	Dunedin
Spot on Fire Protection Ltd	0800 444 700	spotonfireprotection@extra.co.nz www.spotonfireprotection.co.nz	Bay of Plenty
Westland Fire Equipment (2006) Ltd	(03) 762 5609	wfe2006@extra.co.nz	South Island West Coast -South Karamea to Haast
Wormald (NZ) Ltd	0800 4967 6253	Wormald.questions.nz@tycoint.com www.wormald.co.nz	National

# FIRE SAVES

## FPANZ Recorded Fire Saves for August 2016

1/08/2016	Automatic PFA Call	Educational MASSEY UNIVERSITY, PALMERSTON NORTH CITY	Structure Fire	Operating deficiency - not classified above
1/08/2016	Automatic PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Other electrical failure
1/08/2016	Manual PFA Call	Residential MOUNT COOK, WELLINGTON CITY	Structure Fire	Unattended cooking
2/08/2016	Manual PFA Call	Educational KIMBOLTON, MANAWATU DISTRICT	Structure Fire	Equipment used for purpose not intended
3/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Electrical Hazards	Information not recorded
5/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage PIPITEA, WELLINGTON CITY	Structure Fire	Unattended cooking
6/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage TOMOANA, HASTINGS DISTRICT	Structure Fire	Short circuit, earth fault
7/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage ESKDALE, HASTINGS DISTRICT	Structure Fire	Friction (sparks etc.)
8/08/2016	Automatic PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
8/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
8/08/2016	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Part failure, leak or break
8/08/2016	Manual PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Unattended cooking
8/08/2016	Automatic PFA Call	Residential GLEN INNES, AUCKLAND	Structure Fire	Equipment overloaded
9/08/2016	Automatic PFA Call	Recreational, Assembly WHANGANUI, WHANGANUI DISTRICT	Structure Fire	Unlawful
9/08/2016	Manual PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Other electrical failure
9/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Undetermined
9/08/2016	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND AIRPORT, AUCKLAND	Structure Fire	Equipment not being operated properly
9/08/2016	Automatic PFA Call	Utilities, Disposal KINLEITH, SOUTH WAIKATO DISTRICT	Miscellaneous Fire	Spontaneous ignition
10/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NEWMARKET, AUCKLAND	Structure Fire	Heat source too close to combustibles
11/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
11/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MOKAI, TAUPO DISTRICT	Electrical Hazards	Information not recorded
13/08/2016	Other PFA Call	Utilities, Disposal KINGSLAND, AUCKLAND	Structure Fire	Other electrical failure
14/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage PETONE, LOWER HUTT CITY	Structure Fire	Unattended cooking
14/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Lawful
15/08/2016	Manual PFA Call	Educational TIMARU, TIMARU DISTRICT	Structure Fire	Equipment not being operated properly
16/08/2016	Automatic PFA Call	Educational POINT ENGLAND, AUCKLAND	Miscellaneous Fire	Unattended cooking
16/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage FLAT BUSH, AUCKLAND	Electrical Hazards	Information not recorded
16/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage TAKANINI, AUCKLAND	Mobile Property Fire	Short circuit, earth fault
18/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
18/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Unattended cooking
19/08/2016	Automatic PFA Call	Residential ST HELIERS, AUCKLAND	Structure Fire	Unattended cooking
20/08/2016	Other PFA Call	Commercial, Retail, Manufacturing, Storage TAKANINI, AUCKLAND	Flammable Liquid, Gas Incident	Information not recorded

## FPANZ Recorded Fire Saves for August 2016

20/08/2016	Automatic PFA Call	Not Recorded MOUNT MAUNGANUI, TAURANGA CITY	Not Recorded	Information not recorded
20/08/2016	Automatic PFA Call	Residential NORTH DUNEDIN, DUNEDIN CITY	Structure Fire	Unable to classify
20/08/2016	Automatic PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Heat source too close to combustibles
21/08/2016	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage KAIKOHE, FAR NORTH DISTRICT	Structure Fire	Suspicious
21/08/2016	Other PFA Call	Educational AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
21/08/2016	Manual PFA Call	Residential TAUPO, TAUPO DISTRICT	Structure Fire	Unable to classify
21/08/2016	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
22/08/2016	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
22/08/2016	Manual PFA Call	Residential DALMORE, DUNEDIN CITY	Structure Fire	Heat source too close to combustibles
23/08/2016	Automatic PFA Call	Health, Institutional NAPIER SOUTH, NAPIER CITY	Electrical Hazards	Information not recorded
24/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MOUNT MAUNGANUI, TAURANGA CITY	Structure Fire	Other electrical failure
24/08/2016	Manual PFA Call	Health, Institutional WAIKANAЕ, KAPITI COAST DISTRICT	Electrical Hazards	Information not recorded
24/08/2016	Automatic PFA Call	Not Recorded KELBURN, WELLINGTON CITY	Structure Fire	Information not recorded
25/08/2016	Manual PFA Call	Health, Institutional TAKAPUNA, AUCKLAND	Structure Fire	Unattended cooking
25/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage PARAPARAUMU, KAPITI COAST DISTRICT	Structure Fire	Part failure, leak or break
25/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage BELFAST, CHRISTCHURCH CITY	Structure Fire	Unable to classify
26/08/2016	Automatic PFA Call	Educational HOON HAY, CHRISTCHURCH CITY	Structure Fire	Unattended cooking
27/08/2016	Automatic PFA Call	Communications, Research FEILDING, MANAWATU DISTRICT	Structure Fire	Other electrical failure
27/08/2016	Automatic PFA Call	Utilities, Disposal KINLEITH, SOUTH WAIKATO DISTRICT	Vegetation Fire	High temperature
28/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage BURBUSH, HAMILTON CITY	Structure Fire	Other electrical failure
28/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage BURBUSH, HAMILTON CITY	Structure Fire	Equipment not being operated properly
28/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WAINGAWA, CARTERTON DISTRICT	Structure Fire	Equipment overloaded
28/08/2016	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage OREWA, AUCKLAND	Structure Fire	Reckless act (involving fire)
28/08/2016	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage PAPATOETOE, AUCKLAND	Structure Fire	Operating deficiency - not classified above
29/08/2016	Automatic PFA Call	Residential NORTHCOTE POINT, AUCKLAND	Structure Fire	Unattended cooking
30/08/2016	Sprinkler PFA Call	Not Recorded GLENVIEW, HAMILTON CITY	Structure Fire	Information not recorded
30/08/2016	Automatic PFA Call	Not Recorded QUEENSTOWN, QUEENSTOWN-LAKES DISTRICT	Structure Fire	Information not recorded
30/08/2016	Automatic PFA Call	Not Recorded EPSOM, AUCKLAND	Structure Fire	Information not recorded
30/08/2016	Sprinkler PFA Call	Not Recorded NEWMARKET, AUCKLAND	Not Recorded	Information not recorded
31/08/2016	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MATAWHEREO, GISBORNE DISTRICT	Structure Fire	Failure to clean
31/08/2016	Automatic PFA Call	Not Recorded KINLEITH, SOUTH WAIKATO DISTRICT	Not Recorded	Information not recorded

# FPANZ EVENTS CALENDAR 2016

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	New Year's Day	Ak / Nelson Anniversary										
2												
3										HOFFE Group SIG Meeting - AKL		
										TRAINING Group SIG Meeting - AKL		
4	Day After New Year's Reserved				Fire Australia Conference - Melbourne					Passive Group SIG Meeting - AKL		
5					Fire Australia Conference - Melbourne					Evac Group SIG Meeting - AKL		HOFFE Group SIG Meeting - AKL
												TRAINING Group SIG Meeting - AKL
6		Waitangi Day				Queen's Birthday				Inspection Group SIG Meeting - AKL		Passive Group SIG Meeting - AKL
7										Contractors Group SIG Meeting - AKL		Evac Group SIG Meeting - AKL
8		Waitangi Day Reserved										Inspection Group SIG Meeting - AKL
9											FireNZ Conference & Exhibition 2016 - Auckland	Contractors Group SIG Meeting - AKL
10												
11												
12												
13				GET IT RIGHT Training Seminars PASSIVE / INSPECTORATE								
										HOFFE Group SIG Meeting - AKL		
										TRAINING Group SIG Meeting - AKL		
14			Taranaki Anniversary							Passive Group SIG Meeting - AKL		
15		HOFFE Group SIG Meeting - AKL								Evac Group SIG Meeting - AKL		
		TRAINING Group SIG Meeting - AKL								HOFFE Group SIG Meeting - AKL		
										TRAINING Group SIG Meeting - AKL		
16		Passive Group SIG Meeting - AKL								Inspection Group SIG Meeting - AKL		
										Passive Group SIG Meeting - AKL		
17		Evac Group SIG Meeting - AKL				BOINZ Conference - Christchurch				Contractors Group SIG Meeting - AKL		National Council FPANZ Board Meeting - Wellington
18	FPANZ Office Opens	Inspection Group SIG Meeting - AKL		HOFFE Group SIG Meeting - AKL						Inspection Group SIG Meeting - AKL		
				TRAINING Group SIG Meeting - AKL								
19		Contractors Group SIG Meeting - AKL			Passive Group SIG Meeting - AKL	National Council FPANZ Board Meeting - Christchurch				Contractors Group SIG Meeting - AKL		
20					Evac Group SIG Meeting - AKL					GET IT RIGHT Training Seminars		
21			Otago Anniversary		Inspection Group SIG Meeting - AKL			GET IT RIGHT Training Seminars	National Council FPANZ Board Meeting - Auckland		Hawkes Bay Anniversary	
22					Contractors Group SIG Meeting - AKL			GET IT RIGHT Training Seminars		National Council FPANZ Board Meeting - Auckland		
23								GET IT RIGHT Training Seminars				
24								GET IT RIGHT Training Seminars			Labour Day	
25	Wellington Anniversary	National Council FPANZ Board Meeting - Auckland	Good Friday	ANZAC Day								Christmas Day
26		FireNZ Publication										Boxing Day
27												
28			Easter Monday							FireNZ Publication	Westland & Chatham Anniversary	
29			Southland Anniversary									
30												
31			FPANZ Fish-Off							Marlborough Anniversary		

**Fire Protection Association New Zealand**

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