



## Commentary

Hello and welcome to the July edition.

Having just watched the All Blacks pick up the first win for the season against a very tough Samoan opposition, it reinforces to me the intense hard work that is required in training and developing a team to work within a new set of playing conditions.

### Training and Qualifications

I have been fortunate to be involved in the Fire Industry for nearly 30 years and have seen a number of changes in the way we have taken training, and developed a variety of qualifications, as a way to support the wider fire industry needs – and we are also now faced with a new set of playing conditions.

The old industry model of apprenticeships and cadetships has tended to disappear in popularity, to be replaced with a series of industry registered qualifications listed in the NZQA framework and delivered via a model of on-job and off-job programs. I would argue that we need to revisit apprenticeships and support the opportunity to employ young people to learn and earn a wage as they develop their skills and provide value to a business.

These NZQA qualifications have been developed and paid for by the collective industry over 20 years ago to ultimately deliver a competent Fire Technician, capable of carrying out a variety of complex tasks. Some would now argue that the material and training delivery is no longer relevant, it is outdated, and doesn't suit the needs of current students and supporting them in getting the right outcomes. I would argue that we have over 300 students who need support and encouragement to complete their training, regardless.

We are seeing a low level of completion rates compared to other industries, and as a result, a lack of a skilled workforce to meet the current needs. Our recent Members Survey highlighted the fact that we have a lack of skilled people, which is affecting our industry in a variety of ways.

These industry-based qualifications have been reviewed by industry representatives over the last 18 months, and updated in part with a view to support the next 10-20 years of training material and learning outcomes that are now needed. A recent development sees the potential ownership of the training material and intellectual property currently held and used by Firetech being sold and ownership transferred to Competenz as our industry ITO. Competenz are supporting the ongoing qualification through rewrite and updating the assessment guides and units of learning. There is a considerable investment of time and money needed to complete this work to ensure it remains relevant.

As a secondary issue, I believe the money that Competenz are paying to the shareholders of Firetech should be directed back into supporting rewriting this material that is now needed to ensure that the industry sees the benefits from its original investment. We will continue to review this with some degree of interest and involvement.

With respect to on job training it is the vision of the association to take a leadership role and help provide and deliver a training facility that is primarily focussed on hands on training, assessment and activity. We are looking and gathering industry support to make this happen.

To date over the last few months we have secured a key partner and a number of leading industry suppliers who are willing to provide product training and equipment to make our vision a reality as well a facility that meets our needs.

I look forward to sharing more in this area as time moves on, however I encourage you as business owners and those in supervision and management to look at placing your staff into training now and giving the 300 students that are currently in training a higher level of support to achieve.

In this issue we have included a Herald interview with Competenz Manager Bill Sole, who is an advocate for apprenticeships in industry and makes several important points.

### FPANZ Fire Alarm Equipment Register

We have been reviewing and updating records with the manufacturers and suppliers here in Australia and NZ who are involved in the fire alarm/detection space. This register has been in existence for many years and forms part of the process for installation companies to certify that they have utilised the appropriate approved detection equipment.

The fully updated register is now published online at our website and available as a member benefit with no associated charge to access it.

Issue 4 Revision 2 will be released in October this year.

*continued overleaf...*

## JULY 2015 ISSUE

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## Commentary *(continued)*

### FireNZ October 15th-16th, Wellington

The exhibitor prospectus has now been released along with the key sponsorship packages available for 2015.

We have international guest and key note speakers who are bringing a new approach to the conference this year along with a series of site visits and media promotion.

### The TSB Arena

We have sold over 50% of our stands to date and we are able to offer up more sponsorship opportunities for exhibitors to ensure they get more exposure this year and we expect the event in Wellington will be a great opportunity to profile your business.

Our Platinum Sponsorships have been sold and we are pleased to say Gold, Silver and Bronze are also in demand. We encourage you to talk to us about your options and requirements to exhibit.

### Halon 1211/1301 Responsible Disposal Project

Our project is now underway and we are taking Halon product through to destruction. Our first shipment has been sent to Australia for destruction.

The media packs will be released throughout July. Watch our website for more information and updates as we profile the campaign. If you have any product or want to be involved please contact us. The fire equipment service agents have been identified as key bodies to support the public in returning the halon product and helping the industry.

### Membership

If you have any questions about renewals or your membership status, please feel free to contact one of the team on 09 414 4450. Your certificates and vouchers are being processed and sent out as payments are received in the office.

We are pleased to welcome the following members who have joined us over the last month:

- **Coating Technologies Ltd** – Organisational Silver Member
- **Promat Australia Ltd** – Organisational Silver Member
- **Building and Fire Services (2008) Ltd** – Bronze Member
- **Electrinet Ltd** – Bronze Members
- **Rhino Fire & Security Ltd** – Bronze Members
- **I Boss Fire Ltd** – Individual Member.
- **Murray Crawford** – Individual Member
- **Peter Donald** – Individual Member

### AGM

The upcoming Annual General Meeting in November sees a number of council positions being placed up this year for nomination. We encourage those of you who are interested in joining council to contact me to discuss how you may add value to the wider collective group. We also have the nominations for the SIG Group Chair roles. These are important and busy roles with a key focus on achieving their goals through the membership and a push to lift standards across all sectors of the Fire Protection community.

Enjoy the read if you have any feedback on industry training I would be happy to engage as always.

My email is [keith@fireprotection.org.nz](mailto:keith@fireprotection.org.nz)

**Keith Blind**, *Executive Director, FPANZ*

## Event Schedule July - December 2015

13th August 2015	<b>National Council FPANZ Board Members Meeting</b>	Auckland
17th August 2015	<b>HOFFE Group SIG Meeting</b>	Auckland
18th August 2015	<b>Passive Group SIG Meeting</b>	Auckland
19th August 2015	<b>Evac Group SIG Meeting</b>	Auckland
20th August 2015	<b>Inspection Group SIG Meeting</b>	Auckland
21st August 2015	<b>Northern Region Contractors SIG Meeting</b>	Auckland
17th September 2015	<b>National Council FPANZ Board Members Meeting</b>	Auckland
14th - 15th Oct 2015	<b>FireNZ Conference 2015</b>	Wellington
16th October 2015	<b>SIG Meetings:</b> Passive, EVAC, Inspectios, Northern Region Contractors Groups	Wellington
6 November 2015	<b>FPANZ Golf Day</b>	Auckland
9th - 13th Nov 2015	<b>Seminar Series Training</b>	TBA
19th November 2015	<b>National Council FPANZ Board Members Meeting</b>	Auckland
7th December 2015	<b>HOFFE Group SIG Meeting</b>	Auckland
8th December 2015	<b>Passive Group SIG Meeting</b>	Auckland
9th December 2015	<b>Evac Group SIG Meeting</b>	Auckland
10th December 2015	<b>Inspection Group SIG Meeting</b>	Auckland
11th December 2015	<b>Northern Region Contractors SIG Meeting</b>	Auckland

## Evacuation Consultants Group Update

Author **Ela Langford** – EVAC Group Chair

In March this year the chairs of the special interest group for the Evacuation Consultant had written to you to let you know that changes are afoot.

Despite the fantastic motivation earlier last month we had to acknowledge the truth about available time and energy to manage the considerable workload required for the review process and subsequent rewrite of the second edition of the Code of Practice Draft (COP).

The second edition COP intends to set a professional standard in the absence of a recognised New Zealand standard and outlines expected professional conduct, technical knowledge, and expertise and legislative framework knowledge. So watch this space.

We sadly had to say farewell to Jenny Maxwell as a co-chair and I like to say a heartfelt thank you to you Jenny for the many productive lively discussions and co-chairing despite your full schedule.

I will continue the chair and feel this is not only a time of a lot of projects but also a wonderful opportunity and not to be missed, to get actively involved in the SIG community and help to shape the future

I invite you to visit the FPANZ site and explore the news events and seminars section and what is new in general, make notes

in your diary of upcoming meetings and events and be part of the industry community.

We can accomplish our SIG group goals for this year by sharing and hearing each other's concerns and ideas.

Lets make working together to create better communication and greater collaboration across our wider industry sector.

We look forward to seeing you all at our next meeting.



## HOFFE Survey Project

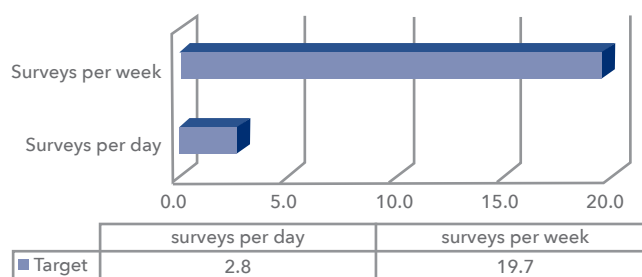
**Thank you to all the members that have been supporting the HOFFE survey to date, we would appreciate ALL MEMBERS having a focus on this survey as we are heading into the crucial period where we are wanting to achieve our target by the end of August 2015 of some 500 surveys.**

This initiative has now reached a point where we are starting to analyse the information and a big thank you goes out to Greg Marr from Civic Futures Ltd who have been appointed to analyse the data collected to date. We will keep you informed as to the progress as this is a critical stage that will form a robust argument for HOFFE to be recognised in the Fire Service regulations.



The Special interest group are also underway with their 2nd initiative for this year to formalise a Fire Equipment contractors certification and Product listing, we are in the early stages of this document so any interested parties are welcome please contact me in regard to details of meetings which will take place over July and August 2015.

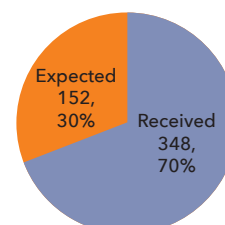
### Expected number by 31/08/15



### Survey responses

We received 348 responses to date ... which only relates to only 8 since last week.

As you can see, to meet the target we still need about 20 surveys per week.





# Trade Associations

Assisting a positive culture change in health and safety

Do you qualify for a 10% discount?

Trade Associations are sector leaders and represent the health and safety needs of many businesses and therefore are an important aspect of Site Safe's membership. It's critical for Site Safe to engage with a wide range of the construction industry – in order to achieve a real and positive cultural shift in health and safety.

As a member of Site Safe NZ Inc, you will receive discounts on services and products such as training through to signage; you will also receive health and safety information and industry safety news, access to Safety Advisor support services. A Site Safe member forms part of a national body – a movement to increase health and safety business performance and reduce harm in New Zealand.

As a thank you for your commitment to excellence, if you are a member of any of the following partnering associations you qualify for a 10% discount off your annual Site Safe membership fee.



Association of Consulting Engineers  
New Zealand Inc (ACENZ)



Association of Wall & Ceiling Industries of  
New Zealand Inc (AWCINZ)



Auckland Painting Contractors Assn Inc  
P.O. Box 34 935 - Birkenhead - Auckland

Auckland Painting Contractors  
Association Inc



Building & Construction Industry Training  
Organisation (BCITO)



Brick and Blocklayers Federation of  
New Zealand



Electrical Contractors Association of  
New Zealand Inc (ECANZ)



Fencing Contractors Association  
New Zealand (FCANZ)



Fire Protection Association New Zealand



# Calling all Halon Fire Extinguisher Owners

FPANZ is promoting awareness around Halon fire extinguishers and wants to recover these from the commercial sector and from private owners.

Halon has fallen out of favour due to its environmental impact and long atmospheric life time. It is considered to be a potent greenhouse gas and contributes to ozone depletion. However, safety is the main issue as servicing of Halon extinguishers has not been available since 1998 when the production of Halon was banned under the Montreal Protocol.

Over the previous ten years, more than 60 tonne of Halon has been recovered by FPANZ members and this was sent for safe destruction. It is estimated that a further five to ten tonne is still in use. This needs to be recovered now as any unit still in use will be well over ten years old and will not have been serviced.

"Fire extinguishers, just like smoke detectors, need to be checked by a certified agent annually" says Blind

"We do have fears that Halon extinguishers, due to this lack of servicing, may fail to operate correctly in the event of a fire. We are prompting all members of the public to check their boats, cars, workshops, caravans and planes to see if they still have a yellow Halon extinguisher and to exchange this for a unit coloured red".

"There will be a cost to change, however both the public and the environment will benefit as we can be sure new systems will operate correctly in event of a fire and the impact on the ozone layer will also be reduced" says Blind.

There are now many suitable and cleaner alternatives available and FPANZ members located nationwide will accept Halon units and provide information on the safer alternatives available. Halon extinguishers are easy to identify as they are bright yellow. Replacement units will be coloured red.

"We look forward to gathering as many of the remaining Halon systems and hand held fire extinguishers here in New Zealand and to have the contents safely destroyed" says Blind.

"We will also have greater confidence that owners will be protected in the event of a fire and this will ultimately protect lives".

Our message is: **"Be Safe Yellow is Out – Red is In!"**

For further information check the FPANZ website for a certified agent near you:

<http://www.fireprotection.org.nz/>



# YELLOW IS OUT RED IS IN

have a boat, caravan, plane, workshop or car  
and have a yellow Halon Extinguisher?

be safe  
swap **YELLOW** for **RED** now



Visit [www.fireprotection.org.nz](http://www.fireprotection.org.nz)  
for a list of FPA NZ certified agents

**FPA**  
NEW ZEALAND

Or call **09 414 4450** for  
more information on the FPA NZ



## NZ Needs More Apprentices

### Industry-based skills training offers young people an entry to the workforce

Author **Bill Sole** – Industry Engagement Manager, Competenz

Once again the universities are the big winners in the Budget. Unfortunately, despite international research increasingly pointing to the value of workplace training and apprenticeships, the 2015 Budget failed to increase the inflation-adjusted rate at which the Government funds industry-based skills training. This needs to change.

Our tertiary education system is turning out a record number of graduates, yet university education is no longer the passport to success it once was.

In New Zealand, as in the UK, many graduates struggle to find work after completing their studies and employers, particularly in the engineering, manufacturing and construction industries, are struggling to find employees with the right skills and experience.

In its Tertiary Education Strategy 2014-2019, the New Zealand Government's long-term strategic direction has named "delivering skills for industry" as its number one priority. I agree: urgently, we need to increase the availability and scope of apprenticeships to meet the changing demands of our economy.

I also believe the expansion of high-quality apprenticeships is the key to solving productivity shortfall and wage stagnation. I'm not alone. International Skills Standards Organisation

CEO Tom Bewick highlights the same sentiment in a new international report.

"University education is becoming more expensive across the developed world, student indebtedness is growing, and graduate-level jobs are not necessarily resulting in gainful employment for every former student. Meanwhile, the learning-and-earning approach associated with formal apprenticeship models reveals positive data that generally shows higher completion rates, more limited indebtedness for young people and financial gains to companies," he says.

The report says, "The best available evidence internationally shows that, where structured apprenticeships exist, they nearly always achieve substantial returns on investment for individuals, employers, and society as a whole."

Gaining a qualification by way of an apprenticeship gives predominantly young people the opportunity to earn while they learn - which importantly means they are not contributing to the country's eye-watering student debt. There are rich opportunities for school leavers (and older learners) to follow their passion and learn a trade that will reward them with well-paid and interesting work. Often the work can take them around the world or keep them in New Zealand where they may even start their own business.

*continued overleaf...*



*Apprenticeships give young people the opportunity to earn while they learn. Photo / Thinkstock*

### NZ Needs More Apprentices cont.

Apprenticeships are a win-win for apprentices and employers alike. Companies that take on apprentices get to employ someone they've trained and whose skills are relevant to their business. Usually apprentices learn on the company's equipment, meaning they hit the ground running. They immerse themselves in a company's culture and learn its systems and processes. It's a strong relationship formed from day one.

Despite these clear benefits, we have a chronic national shortage of apprentices and apprenticeships in a country that needs more skilled people, especially in the engineering and construction industries.

I recently spoke to two companies which are changing the way they do business as a result of the lack of trained workers. One is bringing in skilled fabricators from overseas; the other is scaling back its operations. Increased demand for skilled tradespeople is also being seen in Christchurch, as the city rebuilds.

With youth unemployment so high in this country, why are more young people not entering into vocational learning? Apprenticeships as career pathways have often suffered from bad press. In the past, an apprenticeship was frequently offered as a choice for kids who weren't doing well at school.

Outmoded thinking of what apprenticeships can deliver to the learner is also a problem in secondary schools. It is an attitude incongruous with the high level of technical skill today's modern factories, engineering workshops and other trades-based workplaces demand.

The majority of secondary teachers remain focused on setting up students for a university education, and with nearly a third of all school leavers enrolling in university courses, it's working.

Last year the Economist wrote that the emphasis on work-related skills for a world of lifelong learning, rather than the "three or four years and you're done" university system, will make trades training better suited to post-industrial economies.

"It will also challenge the dominance of universities as students realise that they no longer have to amass huge debts in order to acquire marketable skills."

More than 418,000 people were enrolled in formal tertiary education - including workplace training - around New Zealand in 2013, with about half studying toward a degree or higher level study. Student debt is accumulating and for the past seven years New Zealand's student debt has expanded to \$14.2 billion with more than 720,000 debtors - roughly 16 per cent of the population.



I accept apprenticeships are not for everyone. But in an increasingly technical world, the practical skills they teach can help turn ideas into reality. Supplementing apprenticeships with higher qualifications at "technician level" further increases the value of those skills.

Giving New Zealand industries the training programmes they need is vital. The qualifications Competenz develops are driven by the industries themselves. Industry experts define a role's skill set and we translate it into a nationally recognised qualification. Often an industry will approach us. For example we are currently designing a cellar operations qualification at the request of the wine industry.

There are over 4,300 apprentices in the Competenz system and we are looking to grow that number. When the Government introduced its bonus incentives funding for apprentices and the new apprenticeship scheme (New Zealand Apprenticeships) in early 2014, it estimated there would be an extra 14,000 new apprentices beginning training during the following five years. That increased funding has certainly helped boost the number of apprenticeships, but we need more to meet the economy's skill demands.

Along with the right participants, we also need companies willing to make the investment and we must change the outdated perception that some hold about apprenticeships.

It's time for New Zealand to rethink its approach to skills development: for Government and employers to strengthen their support for the apprenticeship system, and for parents, schools and other influencers to recognise the value of this form of training and the rewarding careers it can lead to.

**About the author:** Bill Sole is industry training organisation (ITO) Competenz's Industry Engagement Manager. He leads a team which manages relationships with 37 industries and works with them to develop qualifications. Competenz helps Kiwis build skills, careers and businesses.



## WANTED: Fire Alarm Systems Engineer

Wormald NZ is looking for a replacement Fire Alarm Systems Engineer to join the Engineering Support Team.

Reporting to the National Technical Manager, the role involves a number of critical business functions such as:

- Providing technical support to our: admin support teams; key accounts; testing; surveying; and fire alarm staff.
- Product training and support with regards to the likes of: TFPP; VESDA; Ampac; Pertronic; and Emergency Lighting Products.
- Setting policy and “best practice” via the likes of: Technical Instructions; Work Instructions (part of our QMS); and other internal documentation.

- Assistance with the likes of interpretation issues with regards to Standards and Building Warrant of Fitness compliance.

- Trouble shooting .

- Assistance with project commissioning of Fire Alarm systems.

Our preference is to have this position remain in Auckland, however strong applicants from outside the Auckland area may also be considered.

If you believe that you have the skill set and attitude for this challenge please contact:

Dave Hipkins, National Technical Manager  
on Ph 09 635 0749, Mob 027 476 3628 or  
Email dhipkins@tycoint.com

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## WANTED: National Sprinkler Design Manager

Wormald have been designing, installing and servicing fire protection systems since 1889 and are the market leader in fire protection. We have an amazing opportunity for a Senior Sprinkler System Designer to manage and overview the sprinkler design undertaken by our design teams based in Auckland, Bay of Plenty, Wellington and Christchurch.

This is a senior position with the successful applicant reporting to the National Technical Manager and based in either Auckland, Wellington or Christchurch.

Working amongst a talented and supportive team, this role is all about you! If you possess the following skills and attitudes, then we need you to join our team:

- A minimum of 10-15 years' experience with the design of automatic fire sprinkler systems to NZS4541 (this is critical to the role).

- Design experience with other relevant NZ Fire Protection Standards.

- Proven leadership and supervision skills.

- Tertiary or diploma qualification in mechanical or civil engineering.

- Excellent written and verbal communication skills.

- Sound AutoCAD skills.

If you can complement the above with your get-up-and-go attitude, your ability to communicate and provide a high level of customer service and technical support to internal and external clients, then we would like to hear from you!

Apply to:

Dave Hipkins, National Technical Manager  
on Ph 09 635 0749, Mob 027 476 3628 or  
Email dhipkins@tycoint.com

## Update on Using FPANZ Logos

Just a timely reminder to all of our members about the correct usage guidelines for all FPANZ logo's. It has been brought to our attention there are a number of members not complying with these guidelines and the unauthorised usage of the new FPA logo. Over the next few weeks we will be formally following up with these members to ensure compliance with the FPANZ Guidelines for logo usage.

In summary no entity is permitted to use the main trademarked FPANZ logo without written permission of the Executive Director. Members are permitted to use the appropriate tier

status logo and this can be supplied in print quality format for use on websites, stationary and the like. If you are currently using the FPA logo on your website / stationary etc. this needs to be removed and replaced with your tier status logo please contact one of the team if you need an electronic copy of your tier logo.

For full details of the guidelines for logo usage please visit the following link.

<http://www.fireprotection.org.nz/about-us/logos>



**Logo's**

### Guidelines for use of the FPANZ Logo's

The FPANZ membership tier status logo's are licensed to be used by a financial member of FPANZ who has signed up to the FPANZ Code of Ethical conduct and is fully compliant with all its requirements. The following guidelines also apply to the use of any logo's owned by the association.

#### Guidelines

- The logo is the absolute property of Fire Protection Association New Zealand and may not be used by any organisation or person other than in accordance with these guidelines.
- The emblem shall be produced in full without any alteration but may be scaled as long as the text is legible
- The approval to use the logo cannot be transferred to any party without the written permission of the Executive Director FPANZ
- The logo cannot be used where it may be seen as endorsing a product. It shall not be used in situations where it might be seen as an endorsement to findings or opinions in a report, letter, or memorandum irrespective of the content
- The logo shall not be used on certificates in any circumstances without written permission of the Executive Director and or FPANZ Board
- The logo shall be removed in all its forms from all media or property when membership is terminated voluntarily or by FPANZ

#### Examples of Logo use

- In a supporting or signature role but not as a dominant feature
- To promote a FPANZ Accredited code compliant company
- On advertisements but not as product endorsement
- On Company letter heads
- On personal and business cards
- Exhibitors promoting their company in advertising
- On Company web sites

**Search our Directory**

Find a certified and recommended....

- Evacuation Consultants
- Fire Alarm Contractors
- Fire Extinguisher Agents
- Sprinkler Contractors
- FPANZ Members

**Got a Question?**

**Want more?**

**Become a member!**

**Platinum Members:**

- WORMALD
- argus
- Chubb
- FIRE SECURITY SERVICES



# fire NZ

2015

CONFERENCE & EXHIBITION



## TRANSFORMING THE FIRE TRIANGLE



15 – 16 OCTOBER 2015  
WELLINGTON

THE FORUM OF FIRE PROTECTION, FIRE SAFETY AND FIRE ENGINEERING PROFESSIONALS



## STAND COSTS, DIMENSIONS AND ALLOCATION INFORMATION

- All stands will be 3m x 3m constructed from black frontrunner panels.
- Each stand will be provided with two spotlights and one power point, one trestle table and one chair.
- We have 30 standard stands and 16 premium stands available. Please note that these stands are the ones marked in yellow on the floor plan in this brochure.
- Your membership discounts will apply to the stand prices below, however please note that if you are a member of more than one association, you can only claim one of the discount options.
- **STAND UPGRADE PACKAGE** includes, LED Lighting, Full size company sign along the front of stand. \$500 per stand.

### NON-MEMBER PRICE

30 Standard Stands	3m x 3m stand	\$2500 ex GST
16 Premium Stands	3m x 3m stand	\$3500 ex GST

### MEMBERSHIP DISCOUNTS

FPANZ members:	Platinum 15%	Gold 10%	Silver 10%	Bronze 5%
IFE members:	5%			
SFPE members:	5%			

### ALLOCATION OF STANDS

FireNZ 2015 are inviting Exhibitors to take up stands by the initial response date of **20th July 2015**. All stand allocations are based on the priority of sponsorship options taken up, or by a company's FPANZ membership tier status. All other stand allocations will be drawn at random.

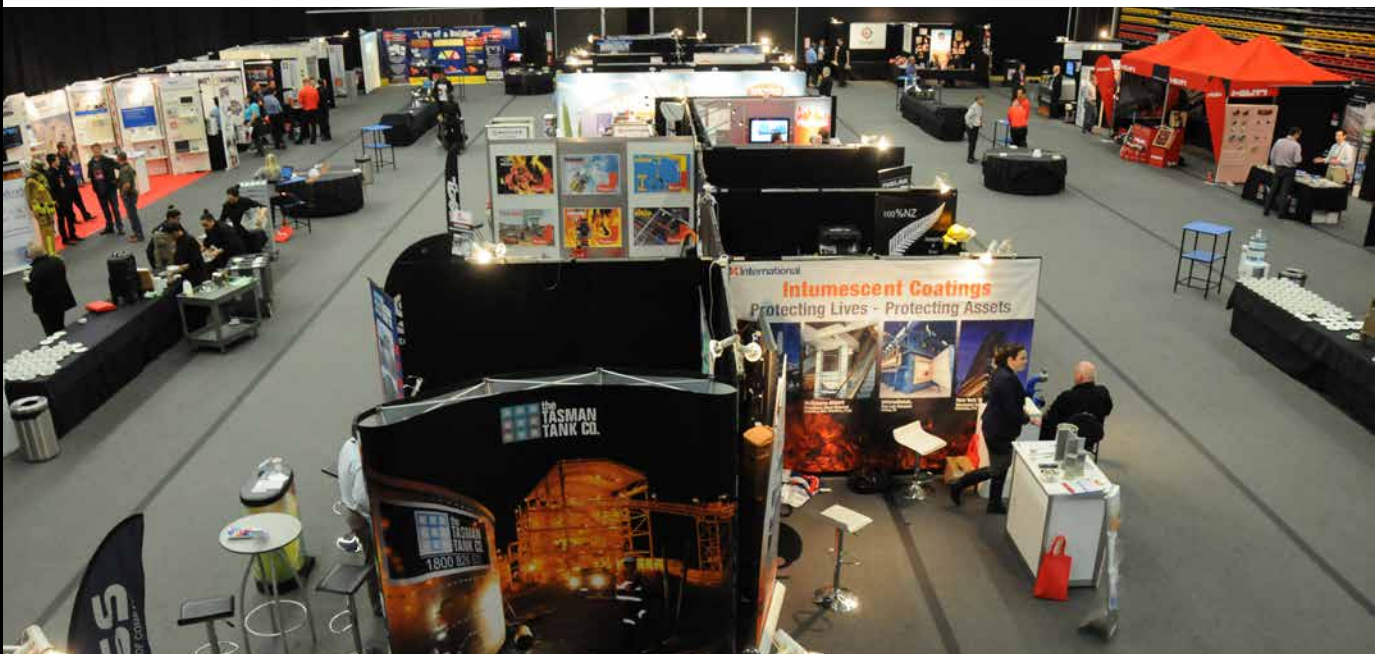
1st Priority:	Platinum
2nd Priority:	Gold or multiple stands holders
3rd Priority:	Silver
4th Priority:	Bronze

Stand allocations will be confirmed in writing by the 30th July for those stands sold prior.

### EXHIBITION STAFF

- The full exhibition stand cost includes exhibition access and catering for two stand representatives.
- Names of staff attending are to be confirmed at least three weeks prior to the Exhibition.
- Additional Stand Representatives will be a cost of \$80 per day to cover catering and name tag costs
- Each stand representative will receive a nametag and full catering on the day/s of attendance please note that does not include the Gala Dinner.

EXHIBITION





# SPONSORSHIP OPPORTUNITIES STILL AVAILABLE

Sponsorship is an excellent means to promote your company and/or brand to the decision makers within your industry.

FireNZ have developed a series of sponsorship opportunities offering different ways in which you can increase awareness of your company to each delegate.

Should you wish to have a sponsorship package, please complete the exhibitor application form.

We are happy to discuss variations to the sponsorship packages below, or new sponsorship ideas/proposals.

Please contact the FPA NZ on (09) 414 4450 or email [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz)

## PLATINUM SPONSOR

~~\$16,000 +GST~~

### Package Includes:

- 2 x Premium Stands
- 4 x 2-day conference passes
- 1 x Corporate Gala Dinner Table
- 30 minute speaking slot at the conference
- Printing and logos to be displayed at the conference, printed on the conference registration brochure and displayed on the website
- Full page advertisement in the September issue of FireNZ Magazine
- 1x10 minute networking speaking slot at the conference for a advertorial presentation to promote your business interest or a Fire related issue

## GOLD SPONSOR

\$12,500 +GST

### Package Includes:

- 2 x Premium Stands
- 2 x Full conference passes
- Half page advert in the September issue of FireNZ Magazine
- 1x10 minute networking speaking slot at the conference for a advertorial presentation to promote your business interest or a Fire related issue
- Company logo printed in conference registration brochure and displayed on the website and promotional banners

## SILVER SPONSOR

\$6,000 +GST

### Package Includes:

- 1 x Exhibition Stand
- 1 x Full conference pass
- Company logo printed in conference registration brochure and displayed on the website and promotional banners

## BRONZE SPONSOR

\$3,000 +GST

### Package Includes:

- 2 x Full conference Passes
- Logos printed on all advertising materials
- 1/8 Page of advertising in the September issue of FireNZ magazine

### CONFERENCE BAG SPONSORSHIP

~~\$9,000 +GST~~

#### Package Includes:

- Bag
- Logo printed on delegate bags
- 2 x full conference passes

### FireNZ CAFETERIA

~~\$8,000 +GST~~

#### Package Includes:

- Café & Seating
- 2 x full conference passes
- Printed logos and on all advertising materials
- Full signage naming rights

### USB SPONSORSHIP

\$7,000 +GST

#### Package Includes:

- USB Drives
- 2x Dinner Tickets
- Printed logos on conference USB drives and on all advertising materials

### GALA DINNER EVENT SPONSORSHIP

\$5,000 +GST

#### Package Includes:

- Dinner table for 8
- Printed logos and on all advertising materials
- 1x Printed banner at the Dinner

### ID LANYARD SPONSORSHIP

\$4,500 +GST

#### Package Includes:

- 250x Lanyards
- 2x Dinner Tickets
- Printed logos on all lanyards and on all advertising materials

### PRESIDENTS DINNER SPONSORSHIP

\$4,000 +GST

#### Package Includes:

- 2x Dinner Tickets
- Printed logos and on all advertising materials
- 1x Printed banner at the Dinner

### CONTRACTORS BREAKFAST

\$3,500 +GST

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# FireNZ

Issue 11 September 2015



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# FIRE ENGINEERING

## Newsletter No 1, June 1994

UNIVERSITY OF CANTERBURY, CHRISTCHURCH, NEW ZEALAND

### M.E. (FIRE) DEGREE

The University of Canterbury has a new Master of Engineering Degree in Fire Engineering, being taught for the first time in 1994. The basic degree is 12 months intensive full time study from March until the following February. Coursework from March to August is followed by six months full time research. Christchurch residents can do the degree part time over several years. A Ph.D. is also offered.

### New Lecturer



**Charley Fleischmann** Dr Charley Fleischmann joined the University of Canterbury in March 1994. He recently completed his Ph.D degree in fire engineering at the University of California, Berkeley. He has previous fire engineering degrees from Berkeley and from the University of Maryland, wide experience as a volunteer fireman, and he has been involved in extensive fire consulting work. He is already heavily involved in teaching and research at Canterbury, and has presented research seminars at the University of Auckland.

### Funding

The Fire Engineering programme at the University of Canterbury would not be possible without generous funding from the New Zealand Fire Service Commission. The Fire Service funding, guaranteed for an initial five year period, pays Dr Fleischmann's salary and makes a contribution to research projects.

### New Students

The 1994 full time students are Ivan Bolliger, Darin Millar, and Faran Rahmanian, all recent civil engineering graduates, Hans Gerlich on study leave from Winstone Wallboards Ltd, Tony Enright recently with the Christchurch City Council, and Alasdair MacKenzie who is a building services engineer from Scotland. Part time students are building services engineers, Brady Cosgrove from Works Consultancy Services Ltd and Gilbert Gordon from Connell Wagner Ltd, and Colleen Wade, Head of Fire Research at Building Technology Ltd, Wellington.

### Courses

The following courses are offered as part of the degree: **Fire Dynamics** (Dr Fleischmann): Fire science and combustion, heat transfer, ignition and spread of flame. Pre-flashover and post-flashover compartment fires, production and spread of smoke. **Heat and Mass Transfer** (Dr Tucker): Calculation methods for heat transfer by conduction, convection and radiation. **Fire Engineering** (Dr Buchanan): Rational fire engineering design of buildings, active and passive fire protection, structural fire resistance, fire spread calculations and escape route design. **Risk Assessment** (Professor Elms): Safety and risk analysis in complex engineering systems. **Fire Safety Systems** (Dr Fleischmann): Fire detection and alarm systems, automatic sprinkler systems, smoke control systems, integration of fire safety systems with other building services. **Fire Engineering Design Case Study**: Fire engineering analysis and

design of a real building, including computer simulations of fire growth and spread, design of active and passive fire safety measures, smoke control and escape route design within a risk assessment framework. Other relevant masters level or final year courses within the University may be taken with permission.

### Administration

The M.E. in Fire Engineering is offered within the School of Engineering, not restricted to any one Department. Applications for admission are invited from graduates with a B.E. (Honours) degree in Mechanical, Civil, Chemical or Electrical engineering. Graduates in other disciplines will also be considered.

The degree is administered by the Faculty Fire Engineering Committee chaired by Dr Andy Buchanan. An Advisory Committee of Fire Service and industry executives meets annually to provide informed advice to the fire engineering programme.

Financial assistance is available for a limited number of students. This consists of a cash grant-in-aid and research funds to cover the costs of experiments, computing and other overheads. Additional assistance is sought from government and industry groups for sponsored research.



Andy Buchanan

### RESEARCH

Each masters student must carry out an individual research project for six months. Topics and supervisors are available throughout the School of Engineering. Topics for 1994 include:

Fires in closed compartments, experimental post-flashover fires, single storey industrial buildings, light steel framing in fires, residential smoke alarm systems, and residential sprinkler systems. Many other topics are available depending on student interests and available funding. Recent and current projects include those below.

### Steel structures in fire

Peter Stevenson and Graeme Cowles have made analytical studies of the structural performance of steel frames exposed to fires. They have found that heavy steel frames designed for earthquake resistance require very little passive fire protection because the large section sizes and low stresses under gravity loads give a very large reserve strength capacity. Verification of the European formula for equivalent fire severity has been investigated. These projects are supported by the foundation for Research, Science and Technology through the Heavy Engineering Research Association.

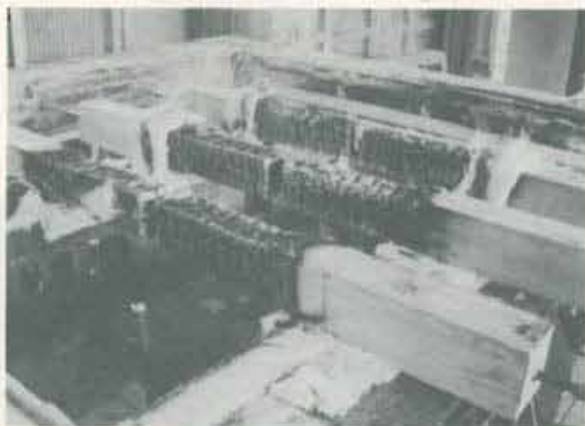
### Fires in telephone exchanges

In a pilot project carried out under contract to Telecom NZ Ltd. Mr Ross Morgan, Research Engineer, is experimenting with the effect of water sprays on live electronic equipment under the supervision of Mr Peter Squires (Electronic and Electrical Engineering) and Dr Brian Earl (Chemical and Process Engineering). The results of this continuing project will be reported in due course.



### Timber Connections In Fire

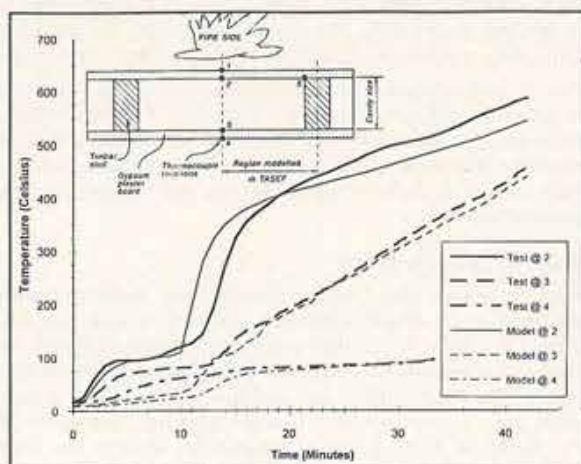
David Barber has completed a M.E. project report on the fire performance of epoxied steel connections in glue laminated timber structures. A series of oven tests at the university and a thermal computer model were verified with full size furnace tests at Building Technology, Ltd, Wellington, financially supported by the Building Research Association of New Zealand (BRANZ).



Timber tension specimens with midspan connection, after testing

### Timber walls in fire

Geoff Thomas is working towards a PhD degree on the fire performance of light timber framed walls and floors. He is using computer models to predict temperatures in real room fires, and the resulting thermal response of a cavity wall with gypsum plaster board linings on timber studs. The results will be used to predict equivalent fire severity and load bearing capacity, in collaboration with BRANZ, Winstone Wallboards Ltd and the Victoria University of Technology, Melbourne. Financial support is from the Foundation for Research Science and Technology.



### Fire Engineering Design Guide

The Fire Engineering Design Guide is a 200 page book introducing the concepts of fire engineering design of buildings to meet the new performance-based New Zealand Building Code. The Design Guide was produced by a study group of the New Zealand Structural Engineering Society and the New Zealand Fire Protection Association, edited by Dr Andy Buchanan, published in June 1994 by the Centre for Advanced Engineering at the University of Canterbury. Copies are available for \$90.00.

### CONFERENCES

Members of the Fire Engineering programme have participated in several recent conferences. Dr Buchanan presented a paper on performance based fire codes to the Interflam '93 Conference in Oxford, UK, in March 1993. Mr William Peet, a 1993 masters student, made a presentation on water supplies for fire fighting at the Institution of Fire Engineers Conference in Hamilton in August 1993. Dr Fleischmann will make two presentations on backdraft modelling at the Fourth International Association for Fire Safety Science Conference, at Ottawa, Canada in June 1994. Dr Buchanan will make presentations on fire performance of timber structures to the North American Wood Products Fire Research Committee at the same venue. Mr Geoff Thomas and Dr Buchanan will make similar presentations at the Pacific Timber Engineering Conference in Brisbane, Australia in July 1994.

### VISITORS

Recent visitors in Fire Engineering include: Dr Jonathan Barnett from Worcester Polytechnic Institute, USA, taught a masters level course in fire dynamics and ran a national workshop on HAZARD I between June and August 1993. Dr Barnett had several students with him, who contributed to the recent amendments to the Approved Documents, and wrote an award winning report on the introduction of the New Zealand Building Code. Dr Marc Janssens from the American Forest and Paper Association, Washington D.C. gave a seminar on fire performance of wood structures in October 1993.



Jonathan Barnett



Marc Janssens

Mr Hamish MacLennan from the University of Technology, Sydney, who has joined the Holmes Consulting Group in Christchurch as a consulting fire engineer, gave several lectures on human behaviour in fires in April 1994. Mr Bob Appleton, Fire Research Director of the National Association of Forest Industries, Australia, gave a seminar on Australian fire code reform in May 1994.

### INFORMATION

For more information regarding admissions, research or publications, contact:

Dr Andy Buchanan or Dr Charley Fleischmann  
Fire Engineering Programme,  
University of Canterbury, Christchurch, New Zealand.  
Phone 643 366-7001. Fax 643 364-2758.



# FMRC Update

SPR  
1

*A Progress Report from the Factory Mutual Research Corporation*



The Small-Scale Flammability Apparatus will be used to examine the nonthermal fire damage potential of materials found in electronics and textiles. (See Figure 1 on page 2 for a diagram of the apparatus.)

## Where There's Smoke . . .

Where there's smoke, there's not only fire, but the potential for nonthermal fire damage. Depending on what's burning, smoke can contain toxic and corrosive products that may do far more damage than the flames.

Fires not only generate heat (which causes thermal damage), but also gaseous, liquid and solid compounds, some of which may be toxic and corrosive. Gaseous and liquid compounds may be present in the form of carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen cyanide, water, etc. Solids may be present in the form of carbon particles, and inorganic salts such as sodium chloride. During a fire, the toxic and corrosive products are carried throughout a building, where they cover the surfaces of walls, floors, and equipment, and begin chemical reactions (corrosion) and enhance pathways for electrical conduction (electrical damage). The result is nonthermal fire damage.<sup>1</sup>

Nonthermal fire damage is a heretofore unexplored, yet costly dimension to property damage. Even when sprinklers act quickly and control a fire, the nonthermal fire damage can be extensive. For example, sprinklers confined a fire to one storage bay in a manufacturing area of a yarn finishing plant. Smoke and other fire products travelled through the building, damaging it, its equipment and in-process yarn. Property damage totalled \$5 million.

Presently, the main protection from nonthermal fire damage is smoke control through ventilation systems. Smoke control systems are primarily used in high-rise buildings such as hotels and offices. Warehouses and manufacturing plants generally do not have them.

Other protection methods include passive protection systems and provision for prompt salvage procedures and techniques. Passive protection includes encapsulation, surface coatings, and the use of materials that generate little smoke or few corrosive products. Salvage, or the recovery of damaged property, is done through the use of proper cleaning techniques. At this time, experience with passive protection techniques is limited. Salvage techniques do not have a solid scientific base that can be used to improve the state of the art.

To learn more about these protection methods, and to better understand all aspects of nonthermal fire damage, the Factory Mutual Research Corporation (FMRC) is embarking on a multi-year study. The information from the study will be used in establishing a standard for the prevention, protection, and recovery of property from nonthermal fire damage.

*Continued on page 2*

<sup>1</sup>Liquid spills (i.e., ammonia used as refrigerant), solvents, and corrosive chemicals also can create damaging nonthermal environments. This article is only concerned with nonthermal environments created by fire.



The need for such standards is great because losses from nonthermal fire damage are expected to continue and even increase as high technology is introduced in various service and manufacturing industries. At the present time, industries select materials on the basis of their electronic, magnetic, optical and other performance-related properties; there is little concern about a material's potential contribution to nonthermal fire damage loss.

Because of the complexity of nonthermal fire damage, the initial FMRC study will be limited to electronics and textiles. The study will be extended to other exposures as more information is gathered and assimilated. Under the direction of Dr. Archibald Tewarson, manager of the Flammability Section and senior research specialist, the initial study will deal with the following:

1. Quantification of nonthermal fire damage from various types of fire products;
2. Protection of property;
3. Nonthermal fire damage due to decomposed and/or undecomposed extinguishment agents; and
4. Recovery of damaged property.

Experiments will be performed in Factory Mutual's Small-Scale Flammability Apparatus to come to a better understanding of the processes associated with nonthermal fire damage and to develop methods for its quantification. (See photo on page one and Figure 1 on this page.)

Experiments with both flaming and nonflaming fire (the flames are out, but combustibles continue to decompose) will be conducted using gaseous, liquid and solid combustibles. Heating of combustibles in fires will be simulated by external heat flux applied by radiant heaters. The sample material will be placed in the apparatus at the place marked "sample" in Figure 1, and surrounded by a quartz tube 0.56 ft (0.17 m) in diameter and 2 ft (0.61 m) long. In the apparatus, the sample platform is attached to a load-cell assembly for monitoring the mass loss rate. Dry air at a known flow rate will be introduced at the bottom of the apparatus.

In the experiments, measurements will be made for the generation rates of heat and chemical compounds,

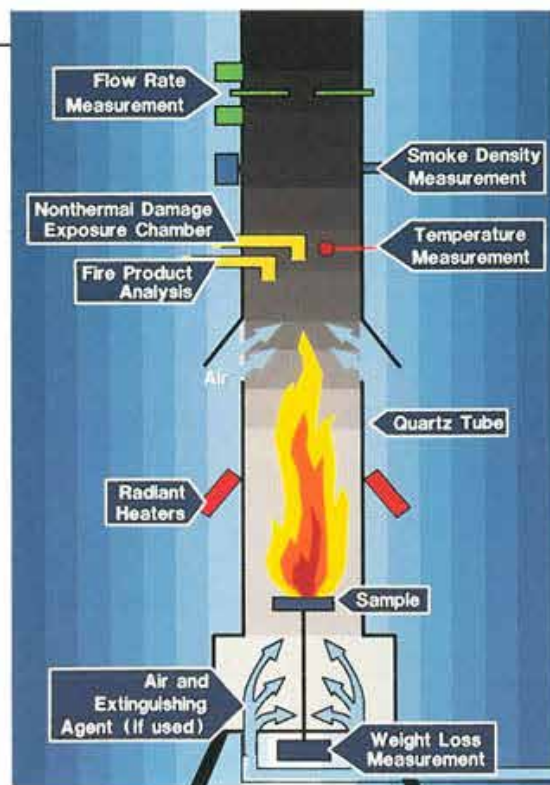
especially smoke, hydrogen chloride, hydrogen cyanide, carbon monoxide, carbon dioxide, total gaseous hydrocarbons, and water. The rate of oxygen depletion will also be measured continuously. The generation rates of other compounds will be determined from intermittent concentrations measured by a gas chromatograph.

For the study of nonthermal damage processes, an exposure chamber will be used. It will contain textile samples and selected combinations of printed circuit boards, laminated strip probes, metal coupons and high sensitivity atmospheric corrosion probes with various metal elements (copper, aluminum, steel, and silver).

The exposure chamber will be attached to the sampling duct at the location indicated in Figure 1. The exposure chamber will be filled by the fire products generated in the experiments. Since nonthermal damage processes are much slower than the fire, measurement for corrosion and smoke damage will continue for several hours after the end of the first part of the experiment.

The surfaces and surface deposits of these exposed samples will be examined by X-ray diffraction, emission spectrograph, and atomic absorption in cooperation with FMRC's Metallurgical Laboratory. Wet chemical analyses such as solvent extraction, absorption/desorption, and distillation will also be conducted. If necessary, limited samples will be examined under a scanning electron microscope with energy disperse X-ray.

Fire products generated by a wide variety of combustibles commonly found in industry will be examined for their nonthermal damage potential. These results will be used to validate present-day criteria and/or to develop new criteria for nonthermal fire damage applicable to the textile and electronics industries.



**Figure 1.** An exposure chamber attached to the sampling duct at the area marked "Nonthermal Damage Exposure Chamber" will contain the sample items to be tested.

In addition, the techniques developed by the Research Division and the Metallurgical Laboratory will be used to examine selected items (both textile and electronic) that have been exposed to nonthermal fire environments during actual fires in the field. This aspect of the study is expected to be invaluable in developing information to help understand the nature and type of nonthermal fire damage losses in the field and to develop recommendations for the prevention of, and protection and recovery from such losses.

Nonthermal fire damage to property due to decomposed or undecomposed fire extinguishing agents will also be quantified. The test apparatus, procedures, and measurements will be the same as those used for the textile and electronics experiments, except that in addition to fire products, decomposed or undecomposed extinguishing agents will also be present. Typical extinguishing agents such as water, CO<sub>2</sub>, and Halon will be



applied to flaming and nonflaming fires to achieve various degrees of suppression and extinguishment. Post-fire extinguishment conditions will also be examined.

Another aspect of the study involves large-scale fire tests at the Factory Mutual Test Center in West Glocester, Rhode Island. For these tests, a simplified version of the exposure chamber will be used. The fire test data combined with the data from the exposure chamber will help determine the major effects of fire products in large-scale fires on nonthermal fire damage.

The second phase of the study focuses on the protection and recovery of property from nonthermal fire damage. For protection of property, important factors appear to be the use of specific extinguishing agents; the coating and encapsulating of various components; and the use of the proper combinations of combustibles for specified materials.

Determining the best methods for recovery of damaged electronics and textile properties will begin with a thorough review of present-day cleaning techniques, and the interactions of cleaning agents with surfaces exposed to a variety of contaminants. These recovery methods will then be applied to selected damaged components taken from actual fire losses.

Large-scale fire tests will also be performed to validate the procedures recommended for the protection of property from nonthermal fire damage. The procedures will be based on a combination of the results from this study, and planned studies on smoke movement and risk analysis.

The final phase is to develop appropriate loss prevention and approval standards, and test procedures for nonthermal fire damage assessment, protection, and recovery.

The knowledge gained and the standards developed from this multi-year study should provide significant advances in property loss control, and lead to the development of nonthermal fire damage loss control procedures for other industries. The knowledge may also be applicable to non-fire-related damages such as those due to liquid spills of such substances as ammonia or corrosive chemicals.

## ESFR Installation Guidelines Set

FMRC has issued installation guidelines for Early Suppression-Fast Response (ESFR) sprinklers. Based on more than three years of testing, the complete installation standard can be found in Loss Prevention Data Sheet 2-2, *Early Suppression-Fast Response Sprinklers*.<sup>1</sup>

Because the technology of ESFR sprinklers is unique, the standard stresses that the specific installation requirements for ESFR sprinklers be followed closely. Guidelines that apply to standard or large-drop sprinklers do not necessarily apply to ESFR sprinklers.

An ESFR sprinkler system is designed to protect palletized, solid-piled and open-frame single-row, double-row, multiple-row and portable rack storage of most common materials up to 25 ft (7.6 m) high, in buildings up to 30 ft (9.1 m) high.

ESFR sprinklers can be used to protect storages of Class I through Class IV commodities and cartoned unexpanded plastics. They cannot be used to protect occupancies containing flammable and combustible liquids (except Class IIIB liquids) or other high hazard materials in which fires cannot be readily extinguished by water.

Approved ESFR sprinklers are nominally rated at 165°F (74°C) with a K-factor of 14 (0.70 in. dia. orifice, 17.8 mm). ESFR sprinklers can only be used with a wet-pipe system to ensure immediate application of water when the first sprinkler operates. The ESFR concept is based on immediate delivery of water to the fire; dry-pipe or preaction systems cannot provide this.

The sprinkler system should be designed to supply 12 sprinklers at a minimum of 50 psi (3.45 bar, 345 kPa). The hose stream demand is 250 gal/min (945 dm<sup>3</sup>/min) and at sufficient pressure to reach a maximum 100

ft (30.5 m). The water supply must be able to automatically provide the full water demand for one hour.

A key factor for the successful performance of ESFR sprinklers is proper location and positioning of the sprinkler head. The clearances between ceiling and sprinkler and between sprinkler and storage must be strictly followed to ensure that sprinklers operate quickly and effectively.

Locate sprinklers so that the center line of the thermal sensing elements is a maximum 13 in. (330 mm) and a minimum 4 in. (100 mm) below the ceiling. Preferably, the thermal sensing elements should be 6 to 10 in. (150 to 254 mm) below the ceiling to obtain the most favorable sprinkler response. Where ceiling construction is beam and girder or panel types, locate sprinklers in the bays rather than under the beams.

A clearance of at least 3 ft (0.9 m) from sprinkler deflectors to the top of storage is required to ensure adequate distribution of water spray from discharging sprinklers into flue spaces and down the aisle faces of storage. At less than 3-ft (0.9-m) clearance, the storage will cut off part of the discharge and produce significant dry spots that may allow the fire to grow beyond the early suppression capabilities of the sprinkler system.

Flue spaces are needed in rack storage to allow sprinkler water to penetrate through the racks to the seat of the fire. Although providing uniform flue spaces throughout the racks is unnecessary, minimum 3-in. (75 mm) flues must be provided in the transverse direction at least every 8 to 10 ft (2.4 to 3.1 m) of rack length. Flue spaces for solid-piled or palletized storage are unnecessary.

Determining what types of roof construction are acceptable for ESFR installation is primarily dependent on the roof shape and configuration, not on the combustibility of the roof. ESFR sprinklers can be installed in buildings with the following types of roof construction: 1) smooth ceiling; 2) bar joist; 3) beam and girder; and 4) panel, up to 300 ft<sup>2</sup> (27.9 m<sup>2</sup>). (This includes plywood diaphragm roofs

<sup>1</sup>FM insureds can obtain a copy free of charge by contacting Factory Mutual's Publications-Order Processing Department at (617) 762-4300, extension 2155. The cost to others is \$5.



where the purlins and subpurlins are framed into the sides of, rather than on top of, supporting members to eliminate open communicating spaces at the roof between panel areas.)

Roof slope cannot exceed 1/4 in./ft (21 mm/m). A sloped roof or any roof configuration that prevents relatively uniform heat movement may cause a delay in sprinkler operation. Research is planned to develop guidelines for installing ESFR sprinklers under sloped ceilings. Preliminary testing indicates the operating sequence and number of heads that may operate is likely to be different from flat ceiling fires. Undesirable roof slope over the top of storage can be eliminated by installing sprinklers below a false ceiling. Sprinkler protection should also be provided at roof level if the roof, contents in concealed space, or ceiling are combustible.

Another concern is heat and smoke venting. The recommended protection is based on construction without roof vents and draft curtains.

To add your name or someone else's to the mailing list, fill out the form below and mail it to Ellen K. Casaccio, Publications, Factory Mutual Engineering and Research, 1151 Boston-Providence Turnpike, Norwood, MA 02062.

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**FMRC Update, Vol. 1, No. 2**

**Editor:** Ellen K. Casaccio

**Designer:** Kathy O'Toole

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Fire tests have not shown automatic vents to be a cost effective supplement to sprinkler systems; they may even increase sprinkler water demand. The standard states that permanent heat and smoke vents, if any, must be arranged for manual operation. This is particularly true for ESFR sprinklers. Test results show that, compared to

conventional sprinklers, ESFR sprinklers significantly reduce ceiling gas temperatures, and because the fire is suppressed before plastics in the storage array become involved, the black smoke normally generated by such high challenge fires is also reduced.

For a summary of ESFR sprinkler installation guidelines, see Table 1.

Type of Storage (See Note 1.)	Single-, double-, and multiple-row and portable rack storage (no open-top containers or solid shelves), and solid-piled or palletized storage.
Commodity	Cartoned unexpanded plastics. Class I through IV commodities. Cartoned polyurethane foamed-in-place packaging. (Encapsulated or nonencapsulated)
Maximum Height of Storage, ft (m)	25 (7.6)
Maximum Height of Building, ft (m)	30 (9.1)
Roof Construction	Smooth ceiling. Bar joist Beam and girder. Panel (including plywood diaphragm, maximum 300 ft <sup>2</sup> [29 m <sup>2</sup> ]).  Also, Maximum roof slope of 1/4 in./ft (21 mm/m). No exposed expanded plastic roof insulation. No automatic roof vents.
Sprinklers	Type: ESFR pendent, 165°F (74°C).  Location: Centerline of thermal sensing element maximum 13 in. (330 mm) and minimum 4 in. (100 mm) below ceiling, preferably 6 to 10 in. (150 to 254 mm) below ceiling.  K-Factor: 14.0  Hydraulic Design: Minimum 50 psi (3.45 bar, 345 kPa) from most remote 12 sprinklers flowing 6 sprinklers on 2 branch lines.  System type: Wet-pipe (no dry-pipe or preaction).  Spacing: 80 to 100 ft <sup>2</sup> (7.4 to 9.3 m <sup>2</sup> ) spacing, minimum 8 ft (2.4 m) and maximum 12 ft (3.7 m) between sprinklers or branch lines.
Hose Streams	250 gpm (945 dm <sup>3</sup> /min), 1 1/2 in. (37 mm) hose lines, maximum 100 ft (30.5 m) to reach all areas.
Water Supply	One hour duration.

\*Note 1: Other types of storage can be protected with ESFR sprinklers when indicated by the data sheet covering the particular type of storage.

**Table 1. Summary of ESFR Sprinkler Installation Guidelines**





**Stay alert on site – fatigue can kill**



**Sleep – you need 7-8 hours a night**  
**Eat three balanced meals a day**  
**Drink water regularly**

**I AM safe**  
when I'm alert & healthy

**TOGETHER, WE'LL REBUILD SAFELY**  
CANTERBURY REBUILD SAFETY CHARTER

The same toolbox talks and posters are available at [safetycharter.org.nz](http://safetycharter.org.nz)

<ul style="list-style-type: none"><li>What is the Canterbury Rebuild Safety Charter?</li><li>Managing critical tasks</li><li>Working at height</li><li>Crowded spaces</li><li>Electricity</li></ul>	<ul style="list-style-type: none"><li>Alcohol</li><li>Discourteous</li><li>Mobile phone &amp; machinery</li><li>Hot works</li><li>Workplace violence</li><li>Pressure</li></ul>
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## Graham's View

**Impairment (fatigue, drugs and alcohol) is becoming an issue of increasing concern in the construction industry.**

The Charter's assessment tool indicates impairment is the highest ranked issue where organisations are signaling they need more support, particularly around fatigue and how to manage it onsite. This need is backed up by evidence coming through from post-incident reports, which are increasingly revealing alcohol or other drugs and fatigue as possible contributing factors.



Impairment is a problem shared across many industries but it's a particular risk in construction. Imagine how worse the risk becomes if you're driving a crane, working at height or operating a nail gun. I know you agree that the construction industry has made giant strides away from being seen as a bunch of risk taking blokes who booze up at night. Now we're seen as an industry that upholds professional standards, values its reputation, respects its customers and looks after the diversity of people working on the front line.

There's still a way to go however. At our June meeting, the Charter Steering Group agreed to focus on impairment and the Communications Working Group has now developed a **toolbox talk and poster** around managing fatigue. This will support and complement a number of other impairment-focused programmes being delivered by industry in Canterbury. I'd encourage you to download the toolbox talk and poster and use them on your sites across the rebuild. They're a great first step to managing fatigue.

What I find heartening is listening to people in the industry talking about impairment. These sorts of conversations would have been unheard of a few years ago – now I'm seeing a massive change in awareness about the effects of impairment - not just on individuals, but their wider repercussions for the health and safety of the sector's workforce.

Our industry is leading the way in establishing and supporting cultural change around impairment – both at work and in the community. Let's continue to keep up the good work and improve the way we manage impairment on site.

**Graham Darlow**  
Charter Steering Group Chair

## SAFETY SPOTLIGHT

- Couldn't make the Charter event in June? Watch the great presentations from Lane Neave and Optus in Australia **online**. 🖱
- Have you put your order in for Safety Charter posters, stickers and booklets? Do so before 5pm today (29th June 2015) and you'll receive WorkSafe's \$100 subsidy! Email [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz) for more info.
- Have you checked out the H&S **events calendar** 🖱 on the Safety Charter website yet? It's a great resource for finding out what's on and when. Let us know if you have an upcoming event to add.
- Check out the winter issue of **ACC's Data Dude** 🖱 – a great toolbox talk for your team!
- The Charter Leadership guides for directors, senior managers, site supervisors and workers are now available – **download them here**. 🖱
- H&S and leadership – grab a cuppa and **listen to this interesting interview** on Radio New Zealand.

## CHARTER NEWS

### Impairment: We're Here to Help

As Graham mentioned many of you told us through the Assessment tool that you needed more support with the Charter commitment of impairment, in particular fatigue.

From today we've got a new **toolbox talk** 🖱 on fatigue available for download from our website – and a **poster** 🖱 for use around your sites, offices and canteens.

But that's not all. We will shortly have an extranet (sign-in only) site up and running from the Charter website where we'll be able to share ideas, policies and plans around improving performance. One of the first areas we'll look to get material on is impairment, including examples of fatigue management plans.

This, together with a range of initiatives already underway in Canterbury, including ACC's impairment breakfast and WorkSafe's occupational health van, are here to support you in meeting your Charter actions. Let us know what you think – we love to **get feedback**. Email us at [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz)



## Free Mini Health Checks coming to a site near you!

Following the successful trial of WorkSafe New Zealand's occupational health van earlier this year, WorkSafe with support from ACC and the Charter are once again helping to educate construction workers about occupational health issues.

The van will be on CBD and residential sites from 29 June to 8 July, where nurses will be offering free mini health checks to workers. WorkSafe and ACC staff will be delivering toolbox talks on fatigue, dust and other occupational health issues. There'll also be lots of giveaways and resources to help your teams stay safe and healthy. **Contact [donna.burt@worksafe.govt.nz](mailto:donna.burt@worksafe.govt.nz)** for more information.

## Leadership Tools

We're delighted to announce that the first step in the Charter's leadership tool is now ready.

Leading safety - guidance for safety leadership for directors, senior managers, supervisors and workers is now on the **website**. Each of the four guides are three pages or less and provide step by step ideas on how you can lead in safety.

Some organisations may find they use one or two of the guides – while others may use all four throughout the levels of their business.

Email [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz) and let us know what you think – we'll now be looking to develop the leadership measurement tool which will sit alongside the guide.



## Membership levies out now

You will have received an email last week regarding the Charter member levies for the 2015/16 financial year. We're pleased to have been able to reduce the levies after we received better information on the size of signatories and the funding required for the year.

The levies are now outlined as below:

Full time employee count	0	1-5	6-9	10-19	20-49	50-99	100+
Previously proposed levies	\$50	\$100	\$250	\$500	\$1,000	\$1,500	\$3,000
Finalised levies for 2015/16	\$0	\$0	\$0	\$100	\$300	\$700	\$1,500

Invoices will be out in July. If you have any questions about the levies please get in touch by email [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz)

## Thanks, Hirepool!

Charter rep Mark Taylor (Naylor Love) hosted a breakfast at Hirepool last week to thank them for their awesome support of our 'Critical Risk' safety campaign.

Hirepool placed posters in hundreds of portaloos around the city – and swapped them out regularly to ensure workers got to learn about as many critical risks as possible over the 9-month campaign.

We couldn't have done it without you guys, so a great big THANKS to Hirepool from the Charter team for helping promote H&S on site!





**CANTERBURY REBUILD  
SAFETY CHARTER**

## YOUR STORY

### The Christchurch Labour Hire Safety Forum

**An initiative borne out of the Canterbury Rebuild Safety Charter has achieved international acclaim!**

The Canterbury Labour Hire Forum is a unique collaboration of agencies, working together for the greater industry good and raising the bar of industry best practice and was chosen as a finalist in the 2015 RCSA McLean Award for Workplace Safety.

The awards recognise achievement and innovation in improving the occupational health and safety of Australian and New Zealand workplaces.

Members of the Forum include Charter signatories Adecco, Enterprise Recruitment, Coverstaff, Randstad, Select and Tradestaff.

"The Christchurch rebuild is an unprecedented event and one that has resulted in one of the largest concentrations of on-hire workers the industry has ever seen. Because of this, we've taken a unique approach to managing H&S," says Janice McNab from Tradestaff.

"Often we have workers from many agencies working side-by-side which is why we are particularly proud that we've been able to put aside our competitive differences to work jointly on such an important initiative."

The forum's vision is to provide consistent and industry-recognised recruitment and induction to ensure the safety of all flexible labour hire employees.

*Each month we want to hear from you - our signatories, endorsees and supporters about what you're doing in your organisation to make a difference to health and safety. It could be lessons learnt from a recent incident, a training success or a new process you've implemented. We'd love to hear from you at [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz)*

## WELCOME ABOARD

We've had a huge response to our members' challenge to recruit new businesses to become Charter members. Here's a warm welcome to the following who have signed up since the start of June 2015:



## THE WORKER'S VOICE

**Kia ora everyone.**

It was fantastic to meet with many of you at the June 10 Safety Charter event – and the many more I've met and talked to in the past two months on the job.

I've been able to visit a range of signatory sites and the response from workers to the Safety Charter is positive.

Workers are giving us the 'real oil' on how they view H&S in the rebuild and it's fantastic that people feel supported to have free and frank discussions, knowing the information they're providing is anonymous and secure.

A big thanks to all those companies who have helped to facilitate site visits, by the time I'm on site everyone knows why I'm there and is prepared.

As part of my role we're aiming to carry out a survey of 500 workers – we've now completed more than 250 surveys so are well on track. We're hoping to have some initial survey data available by the end of July so watch this space.



I look forward to meeting with many more of you over the coming weeks and months, but please also get in touch with me if you would like more information or support.



**Libi Carr**

Charter Project Officer

Canterbury Rebuild Safety Charter

Mobile: 022 639 2516

Email: [libi.carr@safetycharter.org.nz](mailto:libi.carr@safetycharter.org.nz)



## ACC Data Update

New construction-related claims in Canterbury showed a slight increase for May (537 compared with 529 in April 2015). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – decreased slightly from those recorded in April (75.8 for May; 76.2 for April). The average cost of claims in the first 12 months post-injury increased slightly from \$2052 in April to \$2066 in May.

Carpenters and joiners recorded the largest increase in claims by occupation – up over 26% over the past 12 months.

The residential building sector continues to dominate claims, recording just over 160 claims in May.

Click [here](#) to read the May 2015 dashboard.

### COMING UP

#### All about Impairment

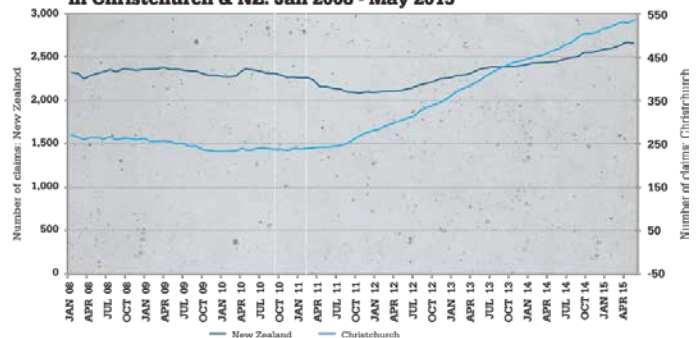
A free breakfast workshop designed to help small businesses understand and manage impairment on site – what is impairment; how does it affect your business; what are your legal obligations and how can you manage/mitigate the risks? You will also be able to take away resources to help you deal with impairment – policy and management plan templates, toolbox talks, guides etc.

#### Interested in attending?

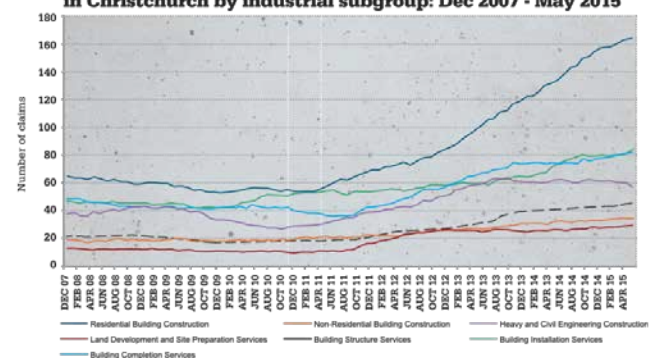
Register your details with [nikki.hawkey2@acc.co.nz](mailto:nikki.hawkey2@acc.co.nz)

**29  
JULY**

Number of new construction claims (12 months moving average) in Christchurch & NZ: Jan 2008 - May 2015



Number of new construction claims (12 months moving average) in Christchurch by industrial subgroup: Dec 2007 - May 2015



## JOIN THE SAFETY CHARTER.

The Canterbury Rebuild Safety Charter is an agreement on health and safety between the leaders of a number of government organisations and companies leading the rebuild

**The aim is simple – to get every worker home safely every night.**

We strongly urge you to sign up to the Charter, because you will:

- ✓ **Improve the health, safety and wellbeing** of your workforce, your colleagues and the industry as a whole
- ✓ **Receive support from industry colleagues** to help improve on-site safety
- ✓ **Receive practical ideas, case studies and lessons** to help your company and sub-contractors
- ✓ **Have access to Safety Charter events** featuring key speakers and players in the industry
- ✓ **Use the Charter Assessment tool** with its detailed guide and aggregated results of Charter signatories
- ✓ **Make a public commitment to health and safety**
- ✓ **Boost the reputation of your business** through your commitment to the Charter.



# Fire Safety isn't something you would take a gamble on, is it?

Next time you need advice, servicing, installation, or fire protection products, there's a simple way to ensure you are dealing with professionals with the relevant training, knowledge, ethics and responsibility critical to the safety of lives and the protection of property.

The way to ensure you are not taking an unnecessary gamble with lives, property, or fire safety is to **choose a member of the Fire Protection Association of New Zealand**.

**FPANZ members are proud to belong to an Association which:**

- Sets the standards for the Fire Safety Industry in New Zealand
- Ensures its members operate to professional Codes of Practice and Ethical Conduct
- Pursues continuous professional development for members and their staff
- Has established high-level formal relationships with the New Zealand Fire Service, Government agencies, International Fire Associations and the wider community
- Is active in the ongoing development and review of Fire Codes and Standards.

The Fire Protection Association of New Zealand (FPANZ) is a not-for-profit Incorporated Society governed by a constitution and Board of Directors, with its national head office based in Auckland. The Association is the voice of the industry and responsible for these key areas in the industry:

## **Code of Ethical Conduct**

Under the Association's constitution, all members and companies are bound to the Code of Ethical Conduct. Our members are committed to operating to best practice, and are accountable to the Association for their performance. All members are subject to a fully-documented complaints and disciplinary procedure.

## **Vetting**

All prospective new members of FPANZ must supply detailed information on their company, staff and market activities, including customer references. Additional background checks are also done, then all information is reviewed by the Board of Directors to establish that the applicant meets the requirements to become a member of FPANZ.

## **Insurance**

One of the other benefits of dealing with a member of FPANZ is that all members must carry a minimum of two million dollars in public and product liability insurance.

## **Promoting Industry Training and Education**

The Fire Protection Association of New Zealand works closely with key stakeholders: Competenz, FireTech, and its members to ensure the industry is providing continuous industry development and relevant training to staff.

## **Special Interest Groups**

FPANZ Special Interest Groups (SIGs) provide a forum for sub-groups of members to keep abreast of the latest issues affecting their particular discipline, and to ensure that sector-specific issues and concerns are addressed in a timely and professional manner.

*For more information or to confirm if your Service Provider is a FPANZ Member, visit our website [www.fireprotection.org.nz](http://www.fireprotection.org.nz)*

*or contact: Fire Protection Association NZ, Phone: +64 9 414 4450; Email [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz)*

*To make sure you're not leaving it up to a game of chance, ask your service provider if they are a member of the Fire Protection Association of New Zealand.*

## National Certificate in Hand-Operated Fire Fighting Equipment (Level 3)

FPANZ, the Fire Protection Association of New Zealand, is working with the fire protection industry and Ministry of Business, Innovation and Employment to make hand-operated firefighting equipment (HOFPE) compulsory for property owners seeking building warrants of fitness.

This change will increase the demand for qualified technicians who can show that they have the skills and knowledge needed to survey, select, install, commission and maintain HOFPE.

**CREDITS:** 124

**DURATION:** 24 MONTHS

### Who this Qualification is Intended for:

People in the fire protection industry whose work involves surveying, selecting, installing, commissioning and maintaining hand operated fire-fighting equipment.

### Skills & Knowledge Gained:

Graduates will gain skills and knowledge in these areas:

- Principles of fire protection
- Engineering measurement
- Fire extinguishers and fire hose reels
- Health and safety, including first aid and resuscitation
- Trade mathematics
- Customer service
- Communications and report writing

### Working Towards this Qualification

Learners do most of their learning on-the-job in the workplace. They also do some theoretical learning 'off-job', through training provider Firetech and by correspondence.

### A Pathway to Learning

This qualification is one of eight fire protection qualifications that Competenz offers.

Graduates can continue to the:

- National Certificate in Fixed Fire Protection Systems (Level 4) and
- National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4).

They will also have a large number of credits towards the National Certificate in Fixed Fire Protection Systems (Level 4).

### More Information

**John Stevenson**

Competenz Account Manager, Fire Protection

j.stevenson@competenz.org.nz | 027 692 3760 | 09 539 9888

0800 526 1800 | [info@competenz.co.nz](mailto:info@competenz.co.nz)

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

**Competenz**  
SKILLS FOR INDUSTRY



# FPANZ Council for 2015

<b>Executive Director:</b>	Keith Blind	Fire Protection Association
<b>President:</b>	David Nathan	Fire Security Services
<b>Vice President:</b>	Keith Blind	Fire Protection Association

## ELECTED MEMBERS REPRESENTATIVES:

Aaron Nicholson	BECA
David Prosser	Tyco Fire Protection Products
Geoff Cardale	Fire Protection Inspection Services
Geoff Willis	Metalbilt Doors - a Division of RCR Infrastructure
Les Mellars	Active Fire Consultants
Maya Patterson	Property Brokers Compliance
Richard Stewart	AFAM
Simon Nathan	Fire Security Services
Kevin Borley	AMPAC
Kris Tocker	Ultrafire

## CHAIRS, SPECIAL INTEREST GROUPS:

Ron Green	Passive Fire Protection Group
Jacqui Bensemann	Contractors Group
Ela Langford	Evacuation Consultants Group
Lance Hunt	HOFFE Group
Jason Godsmark	Inspectorate Group

## ASSOCIATED INDUSTRY GROUP REPRESENTATIVES:

Ron Green	Association of Building Compliance
Graeme Quensell	Institute of Fire Engineers NZ Branch
John Lucas	Insurance Council of New Zealand
David Prosser	New Zealand Fire Equipment Manufacturers' Association
Rob Saunders	New Zealand Fire Service
Claire Williams	Society of Fire Professional Engineers (NZ Chapter)

## BOARD MEMBERS:

<b>President:</b>	David Nathan
<b>Vice President:</b>	Keith Blind
<b>Immediate Past President:</b>	Mitchell Brown
<b>Appointments:</b>	Jacqui Bensemann
	Geoff Cardale
	Chris Mak
	David Percy
	David Prosser
	Joe Rose

# LISTINGS

## Current Financial Members of the Fire Protection Association of New Zealand Financial Year 2015/2016

### PLATINUM MEMBERS



Argus Fire Systems Service Ltd  
Chubb Fire & Security  
Fire Security Services Ltd

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

### GOLD MEMBERS



Ampac Pacific 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  
Pacific Building Services Ltd  
Pertronic Industries Ltd

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  
Almak Ltd  
AON New Zealand Ltd  
Aquaheat New Zealand Ltd  
Armitage Systems Ltd  
Ask Metro Fire Limited  
AssetCare Ltd  
B & M Sprinkler Ltd  
BECA Carter Hollings & Ferner Ltd  
BRANZ Ltd  
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  
Kingspan Insulated Panels Limited  
RCR Building Products NZ Ltd  
Trading as -Metalbilt Doors  
Promat Australia Pty Ltd

Property Brokers Compliance Ltd  
Protech Design Ltd  
Safety First NZ Ltd  
Select Alarms  
Specialist Firestop Contractors Ltd  
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



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  
Amerex Fire Pacific (NZ)  
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  
Central Fire Design Ltd  
CLC Consulting Group Ltd  
Commercial Door Services Ltd  
Complete Fire Protection Services Ltd  
CoveKinloch Building Compliance and Asset Management Limited  
CSD Sealing Systems (NZ) Ltd-  
Beele Australasia  
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 Ltd  
Fire Safety Net Ltd  
Fire Sprinkler Installations NZ Ltd  
Fire System Inspections Ltd  
Firetech Training Ltd  
FM Insurance Company  
Forman Building Systems  
Galbraith Engineering Ltd  
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  
Kensway Fire Ltd  
Laser Electrical Blenheim  
Loktronic Limited - ViTech Division  
Macdonald Barnett Partners Ltd  
Mainland Extinguishers  
Marsh 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  
NZ Fire-Shield Ltd  
Oceania Tanks (A division of Rendertech Ltd)  
Pacific Consultants Limited  
Potter Interior Systems  
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  
Security Specialists Ltd  
Shearer Contracting Ltd  
Skycity Auckland Ltd  
Smoke Control NZ Ltd  
South City Electrical & Security 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 PFV Ltd  
Tasman Tanks New Zealand Ltd  
Ultra Fire Protection  
Vero Insurance NZ Ltd  
Victaulic  
Westland Fire Equipment Ltd  
Xfire Ltd t/a Crossfire  
Zone Architectural Products Ltd

### INDIVIDUAL SUBSCRIPTION MEMBERS



Ansaar Hussain  
Bruce Brooking  
David Thompson  
Gareth Edwards  
Graham Ramsey

Lusi Huang  
Mike Vincent  
Paul Clements  
Paul Walters  
Peter Donald

Peter Gascoigne  
Peter Matheson  
Peter Thompson  
Peter Whitehead  
Phil Bolton

Reid Watson  
Steve Larkin



# LISTINGS

## FPANZ Certified Evacuation Consultants as at July 2015

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

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

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

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

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

**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

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

## FPANZ Certified Fire Alarm Contractors as at July 2015

**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**  
PO Box 84103, Westgate  
Waitakere, Auckland

**Chubb Fire & Services**  
PO Box 19616, Christchurch  
All Branches

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

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

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

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

**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**

**Select Alarms**  
PO Box 544, Hamilton

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

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

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

## FPANZ Inspection Group as at July 2015

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

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

**FIRE SYSTEMS INSPECTIONS Ltd**  
Lindsay Morris  
09 8339126  
lindsay@firesysteminspections.co.nz  
Locations: NZ wide

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

**BUILDING AND FIRE SAFETY LIMITED**  
**Building and Fire Safety Limited**  
Werner Gebhardt - 0272 97 00 93  
Jamie Roberts - 0272 973 963  
Office - 09 476 8019  
werner@buildingfiresafety.co.nz  
Jamie@buildingfiresafety.co.nz  
Locations: We cover for fire alarm  
inspections - Gisborne, Taupo and  
anywhere North from there up to Cape  
Reinga.

# LISTINGS

## Listed Sprinkler Contractors Provided by Aon

CONTRACTOR NAME	LISTING TYPE
Absolute Fire Protection .....	Provisional
Affordable Fire Protection.....	Provisional
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
Black and White Fire Systems (2011) Ltd.....	Full
BSC Fire Ltd .....	Full
Central Fire Design Limited.....	Full
Chubb Systems & Services Ltd	
Chubb NZ Ltd.....	Full
Compliance Fire Protection Ltd .....	Full
Cowley Services .....	Full
Dynamic Fire Protection .....	Provisional
Emergency Management Solutions .....	Full
Emerson Fire Protection Ltd .....	Full
Elite Fire Protection Ltd .....	Provisional
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

CONTRACTOR NAME	LISTING TYPE
Fire Security Services Ltd .....	Full
Fire Solutions Limited.....	Provisional
Fire Sprinkler Installations NZ Ltd .....	Full
Fire System Inspections Ltd.....	Full
Fire System Maintenance Ltd .....	Full
Fire Systems Consultants Ltd.....	Full
First Fire Systems Limited .....	Full
Hudson Inspections.....	Full
iFire .....	Provisional
JW Fire Equipment Services Ltd .....	Provisional
Kensway Fire Limited.....	Full
Menzies Fire Limited (A) .....	Full
Menzies Fire Limited (B).....	Provisional
Nationwide Fire Protection Ltd .....	Full
Nelson Marlborough Fire Services Ltd .....	Full
Oceania Fire Protection.....	Full
Pacific Building Services.....	Full
Property Brokers .....	Full
Rapid Fire Protection Ltd .....	Full
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 .....	Provisional
Wormald (Tyco New Zealand) Ltd .....	Full
Zero Fire Limited .....	Provisional



# LISTINGS

## FPANZ Fire Extinguisher Service Agents as of July 2015

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argus.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Chubb Fire & Security Ltd	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	robinm@firesecurity.co.nz www.firesecurity.co.nz	North Island
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

## FPANZ Recorded Fire Saves for June 2015

1/06/2015	Automatic PFA Call	Educational GLEN INNES, AUCKLAND	Structure Fire	Unattended cooking
1/06/2015	Manual PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Unattended cooking
2/06/2015	Automatic PFA Call	Recreational, Assembly BALCLUTHA, CLUTHA DISTRICT	Structure Fire	Unable to classify
2/06/2015	Manual PFA Call	Educational MANGAROA, UPPER HUTT CITY	Structure Fire	Unattended cooking
2/06/2015	Manual PFA Call	Recreational, Assembly NORTH DUNEDIN, DUNEDIN CITY	Structure Fire	Unattended cooking
3/06/2015	Manual PFA Call	Residential PAEROA, HAURAKI DISTRICT	Structure Fire	Information not recorded
3/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage GRACEFIELD, LOWER HUTT CITY	Chemical, Biohazard, Radioactive Incident	Information not recorded
4/06/2015	Other PFA Call	Residential HALSWELL, CHRISTCHURCH CITY	Flammable Liquid, Gas Incident	Information not recorded
4/06/2015	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Unattended cooking
4/06/2015	Manual PFA Call	Health, Institutional WHAREWAKA, TAUPO DISTRICT	Structure Fire	Equipment used for purpose not intended
5/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Structure Fire	Mechanical failure, malfunction - not classified above
6/06/2015	Automatic PFA Call	Residential MOERA, LOWER HUTT CITY	Structure Fire	Equipment unattended
6/06/2015	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Unattended cooking
7/06/2015	Sprinkler PFA Call	Not Recorded HAREWOOD, CHRISTCHURCH CITY	Not Recorded	Information not recorded
9/06/2015	Automatic PFA Call	Not Recorded GLADSTONE, INVERCARGILL CITY	Not Recorded	Information not recorded
9/06/2015	Automatic PFA Call	Recreational, Assembly BALCLUTHA, CLUTHA DISTRICT	Structure Fire	Backfire
9/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage THORNDON, WELLINGTON CITY	Structure Fire	Unattended cooking
9/06/2015	Manual PFA Call	Residential NELSON SOUTH, NELSON CITY	Structure Fire	Unattended cooking
10/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEW LYNN, AUCKLAND	Structure Fire	Unattended cooking
11/06/2015	Automatic PFA Call	Residential PHILLIPSTOWN, CHRISTCHURCH CITY	Structure Fire	Unlawful
13/06/2015	Automatic PFA Call	Residential HAMILTON CENTRAL, HAMILTON CITY	Electrical Hazards	Information not recorded
15/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Short circuit, earth fault
15/06/2015	Manual PFA Call	Not Recorded FRANKTON, QUEENSTOWN-LAKES DISTRICT	Not Recorded	Information not recorded
15/06/2015	Automatic PFA Call	Residential BIRKENHEAD, AUCKLAND	Structure Fire	Unattended cooking
16/06/2015	Automatic PFA Call	Not Recorded HAMILTON CENTRAL, HAMILTON CITY	Miscellaneous Fire	Information not recorded
16/06/2015	Automatic PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Careless disposal or use: cigarettes, cigars, ashes, embers
16/06/2015	Manual PFA Call	Health, Institutional LEVIN, HOROWHENUA DISTRICT	Electrical Hazards	Information not recorded
17/06/2015	Automatic PFA Call	Residential JOHNSONVILLE, WELLINGTON CITY	Structure Fire	Unattended cooking
18/06/2015	Automatic PFA Call	Not Recorded TE ARO, WELLINGTON CITY	Structure Fire	Information not recorded
19/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEW PLYMOUTH, NEW PLYMOUTH DISTRICT	Structure Fire	Part failure, leak or break
19/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage ELLERSLIE, AUCKLAND	Structure Fire	Part failure, leak or break
19/06/2015	Other PFA Call	Residential MOUNT ROSKILL, AUCKLAND	Miscellaneous Fire	Legality not known



## FPANZ Recorded Fire Saves for June 2015

19/06/2015	Manual PFA Call	Residential RIVERLANDS, MARLBOROUGH DISTRICT	Structure Fire	Equipment used for purpose not intended
19/06/2015	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Carelessness with heat source - not classified above
19/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NEW PLYMOUTH, NEW PLYMOUTH DISTRICT	Structure Fire	Unattended cooking
21/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage TAKAPUNA, AUCKLAND	Structure Fire	Short circuit, earth fault
21/06/2015	Manual PFA Call	Not Recorded FITZHERBERT, PALMERSTON NORTH CITY	Structure Fire	Information not recorded
22/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND AIRPORT, AUCKLAND	Structure Fire	Part failure, leak or break
22/06/2015	Manual PFA Call	Educational WALTHAM, CHRISTCHURCH CITY	Structure Fire	Unattended cooking
22/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage TE RAPA, HAMILTON CITY	Structure Fire	Combustible placed too close to heat source
23/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MATAWHERO, GISBORNE DISTRICT	Structure Fire	Failure to clean
23/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HORNBY SOUTH, CHRISTCHURCH CITY	Structure Fire	Improper startup or shut down procedures
23/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage TE ARO, WELLINGTON CITY	Structure Fire	Heat source too close to combustibles
23/06/2015	Automatic PFA Call	Not Recorded WELLINGTON CENTRAL, WELLINGTON CITY	Not Recorded	Information not recorded
23/06/2015	Other PFA Call	Commercial, Retail, Manufacturing, Storage WASHDYKE, TIMARU DISTRICT	Chemical, Biohazard, Radioactive Incident	Information not recorded
23/06/2015	Sprinkler PFA Call	Not Recorded ESKDALE, HASTINGS DISTRICT	Not Recorded	Information not recorded
24/06/2015	Manual PFA Call	Health, Institutional HAMILTON LAKE, HAMILTON CITY	Structure Fire	Part failure, leak or break
24/06/2015	Manual PFA Call	Educational ISLAND BAY, WELLINGTON CITY	Structure Fire	Poor Workmanship
24/06/2015	Automatic PFA Call	Educational WAIWHETU, LOWER HUTT CITY	Structure Fire	Equipment unattended
24/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NEWTOWN, WELLINGTON CITY	Structure Fire	Information not recorded
25/06/2015	Manual PFA Call	Educational SHELLY PARK, AUCKLAND	Miscellaneous Hazardous Condition	Information not recorded
26/06/2015	Sprinkler PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Miscellaneous Fire	Part failure, leak or break
26/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
26/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
27/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage KAWERAU, KAWERAU DISTRICT	Structure Fire	Friction (sparks etc.)
27/06/2015	Automatic PFA Call	Educational NORTHCOTE, AUCKLAND	Structure Fire	Short circuit, earth fault
27/06/2015	Automatic PFA Call	Residential AVENAL, INVERCARGILL CITY	Structure Fire	Unattended cooking
28/06/2015	Manual PFA Call	Not Recorded NORTHCOTE, AUCKLAND	Not Recorded	Information not recorded
29/06/2015	Sprinkler PFA Call	Health, Institutional GONVILLE, WANGANUI DISTRICT	Structure Fire	Suspicious
30/06/2015	Manual PFA Call	Not Recorded HOROTIU, WAIKATO DISTRICT	Chemical, Flammable Liquid or Gas Fire	Information not recorded
30/06/2015	Automatic PFA Call	Not Recorded KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Flammable Liquid or Gas Fire	Information not recorded
30/06/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MORNINGTON, DUNEDIN CITY	Electrical Hazards	Information not recorded
30/06/2015	Automatic PFA Call	Not Recorded INVERCARGILL, INVERCARGILL CITY	Not Recorded	Information not recorded
30/06/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage WHANGAREI, WHANGAREI DISTRICT	Miscellaneous Fire	Unlawful



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)
Full Page.....	\$1050.00	\$1000.00/issue	\$945.00/issue	25cm x 18cm
½ Page.....	\$900.00	\$845.00/issue	\$810.00/issue	12.5cm x 18cm
⅓ Page.....	\$750.00	\$705.00/issue	\$675.00/issue	8.4cm x 18cm
¼ Page.....	\$600.00	\$560.00/issue	\$540.00/issue	6.3cm x 18cm
⅛ Page.....	\$500.00	\$470.00/issue	\$450.00/issue	3.2cm x 18 cm

## SPECIAL OFFER!!!

For a LIMITED TIME ONLY we would like to offer an advertising special for FPA NZ members. Please see the special rates below.

SPECIAL FPA NZ MEMBER RATE:		3 Issues	Dimensions (H x W)
Casual		3 months total \$1500	25cm x 18cm
Full Page .....	\$500 per month	3 months total \$750	12.5cm x 18cm
½ Page .....	\$250 per month		

if you have any question or would like to advertise please contact us on [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz)

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