



## Commentary

Hello and welcome to the October edition.

### Fire NZ October 15th-16th Wellington



Not long to go now as we go to print with 10 days before the event kicks off.

The conference has provided a real opportunity for the fire community to engage and provide education to a wider community.

We have a variety of interesting international and local speakers with topics that provide insight into the issues facing us as we continue to see innovation within our industry.

The media event on Thursday morning starting at 6am on TV one is proving to be something new and exciting. We have several simulations taking place for the public and raise the profile of FireNZ.

We have sold out on the registrations to visit the live Fire test at BRANZ, and we have a Gala Dinner that promises to get you out of your seat and scrumming for a score. The Wellington Free Ambulance staff will keep a watchful eye on the proceedings.

On behalf of the three organisations who are involved in this year's event we look forward to hosting you and showcasing our industry capabilities and expertise in *"Fire Design, Safety and Innovation"*



### Halon 1211/1301 Responsible Disposal Project

We have a free public swap out yellow BCF extinguishers for red this year for our involvement with the conference to encourage the public to bring in their old Halon unit for a new RED unit, but we are still chasing Halon from all parts of the country.

We have seen our first shipment of over 800 kilos into Australia for destruction and our second shipment is being prepared now.

The media packs have been released to our recognised fire equipment service agents and all NZ Fire Service locations.

We are pleased also to be promoting this with the Dominion newspaper in Wellington and a special Halon Campaign within online news media "STUFF".

Watch our website for more information and updates as we continue to profile the campaign.

### 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. Our new financial members for this newsletter are **Automatic Fire Sprinkler Services, IANZ and Passive Fire Installations Ltd.**

### AGM

The upcoming Annual General Meeting on November 19th in Auckland 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 confirmations and nominations for the Special Interest 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.

The new SIG for this year is promoted as the Training SIG with a focus on delivering better outcomes for education and learning with the new NZQA qualifications being developed for our industry.

### FireNZ Annual Golf Day

We are pleased to announce the next event on the calendar for Friday the 6th November. This will be held on the Huapai Golf course in Auckland. We are looking for 18 teams of four to play. Each team of four will represent a company sponsored hole. Sponsorship of a hole is set at \$400 which caters fully for a team including green fees catering BBQ lunch and after event prize giving.

Enjoy the read and I look forward to catching up at FireNZ.

**Keith Blind**, Executive Director, FPA NZ

## 1 OCTOBER 2015 ISSUE

### In this issue...

Evacuation Consultants Group Update.....	2
FPANZ Event Schedule .....	2
ACC Residual Levy to End April 2016 .....	4
The Sales Parthenon & Lead Generation .....	5
FPANZ Annual Golf Day.....	6-7
FireNZ Conference & Exhibition Programme.....	8-11
Calling all Halon Fire Extinguisher Owners .....	12
Update on using FPANZ Logos.....	14
Fire Research & Investigation Unit Heads Up.....	15-16
Canterbury Rebuild Safety Charter Update.....	17-21
From the Archives .....	22-25
FPANZ Council for 2014 - 2015 .....	27
FPANZ Membership 2015 - 2016 .....	28
Listings .....	29-31
Fire Saves.....	32-33



### Evacuation Consultants Group Update - Author **Ela Langford** - EVAC Group Chair

I trust my writing finds all of you in good health and ready for the FireNZ Conference 2015 in Wellington.

For most of us time has become a precious commodity that we often seem to have insufficient of, particular in times leading up to national events such as the conference. Therefore my update this month will be brief.

The Evacuation Consultant Group will be represented by the chair and hopefully supported by many of you attending the conference. I will be speaking in two separate sessions. Lance Hunt the chair from the HOFFE group and I will jointly present on the Code of Practice. The second session will involve a Q&A couch session. This session will explore issues in relationship to safety from fire and the evacuation procedure of high-rise buildings away from danger to a place of safety inside and/or outside.

These speaking engagements are a welcome opportunity for our group. These enabling us to raise awareness within the wider fire community of Evacuation Consultants and their valuable expertise and role in supporting safe evacuation practice.

For those of you that are further interested in this topic and wish to gain better understanding in the particular dynamic concerning tall buildings, you may do so after the conference as well. The Institution of Fire Engineer Auckland Group is offering a seminar entitled "Above and Beyond" on the 20th of October 2015 at 21 Pitt Street, Auckland, hosted by Beca. If any of you are interested to be there please contact me as soon as possible, because spaces are limited and registration is prerequisite to attendance.

Our last SIG group for this year will be held on the 9th of December 2015 in Pitt Street, Auckland. We will have Allan Armstrong with us to introduce us to the Evacuation Chair.

As always I like to hear your thoughts and remind you that no man is an island, together we can accomplish our SIG group goals by sharing and hearing each other's concerns and ideas and getting involved.

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

*Your Chair, Ela Langford*

### Event Schedule October - December 2015

13th October 2015	<b>Seminar Series - Boost your BIM</b>	Auckland
15th - 16th Oct 2015	<b>FireNZ Conference 2015</b>	Wellington
15th October 2015	<b>SIG Meetings:</b> Passive, EVAC, Inspectorates	Wellington
16th October 2015	<b>HOFFE Meeting</b>	Wellington
19th October 2015	<b>Seminar Series - Boost your BIM</b>	Christchurch
6th November 2015	<b>FPANZ Golf Day</b>	Auckland
19th November 2015	<b>FPANZ AGM Meeting</b>	Auckland
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
23 Dec 15 - 18 Jan 16	<b>FPANZ Close-Down</b>	



# CLAIMS

## MANAGING YOUR WORKPLACE ACC CLAIMS WHEN THEY HAPPEN

Requests from our clients for assistance with ACC workplace claims has seen Manage Company develop a new on-line toolkit for managing workplace injuries when they happen.

The on-line toolkit which operates under the ManageCLAIMS brand provides tips, templates, guidance, factsheets and the support you need when lodging a claim with ACC. It allows the employer to manage the employee, manage ACC and ultimately manage their ACC levy penalties. It provides the tools, forms and tips on how to control the doctor and speed up the whole process by over 40%.

Martin Wouters (Managing Director and Designer of the Toolkit) says one of the aims for business should be to avoid a medical certificate which says “fully unfit for work” where possible and the toolkit provides a very useful way of managing this process. The key areas of focus are.-  
Prior to an injury happening, At the time of injury, Communication, Pay and Return to work.

Our job is to keep it up-to-date and compliant and we also provide a support function so employers can ask the curly questions.

**The toolkit is available to FPA members at an introductory price of \$249 + GST per year. Please go to [www.workrisk.co.nz/claims](http://www.workrisk.co.nz/claims) to sign up using promo code CLAIMS to save yourself \$100! (offer only available until 31<sup>st</sup> October 2015)**



*Managing ACC **claims**  
used to be a headache  
...not anymore*

Our online ManageCLAIMS toolkit provides tips, templates, guidance and support help manage all your ACC claims

Annual subscription normally \$349 +gst  
**SPECIAL INTRODUCTORY OFFER \$249 +gst**

**SUBSCRIBE ONLINE**  
Use 'CLAIMS' discount code

For more information, or to subscribe, visit our website [managecompany.co.nz](http://managecompany.co.nz)



## ACC Residual Levy to End April 2016



Author - **Martin Wouters** - Managing Director of Manage Company

The ACC Minister has signalled that the residual levies will be stopped from 1 April 2016.

ACC charges the residual levies on the Work, Earners, and Motor Vehicle accounts and these levies cover all claims pre-dating 1999.

The residual levies on average make up a third of your current employers ACC bill, so the impact on paper should be quite impressive.

Unfortunately it is not quite so straight forward or lucrative.

The ACC Minister has been very deliberate in using the words "redistributive effect", which means that when the residual levy stops, the existing levies will be recalculated and the savings will not be just a case of removing your residual component. Instead, and as quoted by the Minister, 47% of all businesses will actually receive an increase in their ACC levies as a result of stopping the residual levies.

What ACC will be doing is re-calculating the claims data for all levy codes which would mean a fairer and more accurate allocation of cost to those industries that have a lower accident history versus those that have a lot of accidents. Unfortunately this also means that if your industry is notorious for accidents and claims, you will be paying for it.

Experience rating, which is the penalty / discount a business can get depending on its claims activity is only ever applied to the work levy not the residual levy. So by removing the residual levy which would in-turn increase your work levy, the impact of experience rating will also increase. This is great if you have a discount already however will end up costing you more financially if you have a penalty.

One bit of good news is that if your business is currently in one of the two ACC discount schemes such as the Workplace Safety Discounts or the Workplace Safety Management Practices then this discount will also proportionally increase.

Parliament is currently debating the third reading of the Accident Compensation Act (Financial Responsibility and Transparency) Amendment Bill which when passed will confirm the Minister's recommendation to stop the residual levy from 1 April 2016.

The ACC Minister has indicated that the ACC Board has recommended reducing the work account levy further next year in line with the Residual Levy stopping. This in part has been done to reduce the amount of companies that will end up paying more i.e. instead of 47% of businesses getting an increase, it is anticipated only 25% of businesses will get an increase.

### Where to from here?

- None of this has been signed off yet.
- Parliament is currently debating the afore mentioned Amendment Bill this week which will need to be passed in order for the Minister to implement her plan.
- From 1 October 2015 ACC will be asking for public input (consultation) into what should happen with next year's levies. As part of this ACC will be releasing indicative numbers on what the levies will be next year.
- This will give us a better idea of what to expect and which industries are likely to get an increase or a decrease.

ManageACC will be looking closely at the data presented and will make a submission to ACC on behalf of our clients and industry partners. In addition we will share with you any relevant information for you to pass on to your members or clients.

#### About Manage Company

Martin Wouters is the Managing Director of Manage Company which is a risk management firm specialising in ACC. With partnerships that span over 15 industry Associations, numerous accounting firms and over 1,000 businesses across New Zealand, the average ACC saving that ManageACC has made for its clients over the last 5 years is 23% and for 2015, a 41% saving.

#### About the author:

As an ex-accountant Martin knows the risk clients have and what can be done to mitigate them. Martin says "ACC has become a specialist field and after 10 years I have very useful knowledge and insights into what can be done".

Email: [martin@managecompany.co.nz](mailto:martin@managecompany.co.nz)  
Phone: 021 322 286



**fire NZ 2015**  
CONFERENCE & EXHIBITION  
15 – 16 OCTOBER 2015 | WELLINGTON

DESIGN SAFETY INNOVATION  
TRANSFORMING THE  
**FIRE TRIANGLE**

## The Sales Parthenon & Lead Generation

### Do you stop when it hurts? Why ratios keep you going.



Author - **Mark Daniels** - Action Coach Business Coaching.

#### About the author:

Mark Daniels is a licenced Business Coach, Business Trainer and Seminar Presenter with Action Coach Business Coaching.

He has more than two decades plus of experience in business and management. Mark is professionally qualified with two Master of Science degrees.

The following is an extract from Mark Daniels' latest book. Mark is offering a free copy of his book to the first 20 people who call him on (06) 348 4055.



The Sales Parthenon idea comes from the ancient Greeks and their building style using many columns or pillars to support a roof structure. These buildings still stand thousands of years after they were built. In this same way we need to ensure that we have a number of sales and marketing strategies supporting our business or sales efforts. We can't just rely on a few favourite lead generation methods.

The benefit of cultivating and developing multiple lead generation methods will ensure a steady flow of leads into your sales funnel.

This diagram shows some example strategies; yours may be different.

The "trick" to building your Sales Parthenon is to focus on building one leg until you have it working well and then move to improve or build the next one. It might take you a month to six months or even a year to achieve an effective flow of leads coming back from each strategy. The top 10% of salespeople in any industry have generally mastered building a great Sales Parthenon.

The keys to achieving the best outcomes are, as always, hard work and persistence. You may find that you prefer two to three legs that work best for you and that's okay. However keep putting some energy and effort into the others as insurance against your favourites suddenly drying up.

Remember, if you are doing a superb job, many of your leads should come from referral.

Always remember to test and measure each activity you undertake. For example, if you use radio advertising, ensure that for every \$100 or \$1000 invested you can quantify the number of leads gained. If a Lead Gen strategy is not working, change it and persist. But don't continue to pay out unless you can measure dollars per lead gained in a way that makes sure that each particular lead strategy or leg on your Sales Parthenon is working for you.



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

## COMPETENCY BASED ASSESSMENT

- For those who have been in the industry for 5 - 7 years
- All Installers, Testers, Inspectors of Fire Alarms, Sprinklers, Hand Operated & Passive Systems
- Helps you to get **IQP** status

**COULD THIS BE YOU? APPLY NOW. GET QUALIFIED.**

Contact Liza 09 448 0434 or Jim 021 560 161 | Freephone 0800 FIRETECH | email [admin@firetech.co.nz](mailto:admin@firetech.co.nz)

*You are Invited...*



# FPANZ Annual Golf Day

*You are cordially invited to attend the FPANZ  
Membership Group Annual Golf Day 2015:*

**Friday 6th November 2015**  
**Huapai Golf Club**  
**Kumeu, Auckland**

<b>Program</b>	11am - 12.30pm Registration & Sausage Sizzle 12:30 T Off 5:00 Prize giving BBQ
<b>Date</b>	Friday 6th November 2015
<b>Venue</b>	Huapai Golf Club 1261 Coatesville Riverhead Hwy Coatesville
<b>Game</b>	Ambrose - 18 holes Shotgun start at 12:30
<b>Dress Code</b>	Club House: Neat Casual
<b>Prizes</b>	Best Net Team Score Best Team Scratch Score Longest Drive Nearest the Pin Hole in One

## Application

*Complete this form for all players and indicate handicap (or average score).*



**Company** .....

**Address** .....

**Suburb** .....

**Postcode** .....

**Contact** .....

**Phone** .....

**Email** .....

**Team Name** .....

*Handicap ranges: Men 0-27 / Women 0-36*

	HC
<b>Name</b> .....	
<b>Name</b> .....	
<b>Name</b> .....	
<b>Name</b> .....	

# Sponsorship Opportunity

## FPANZ Annual Golf Day

Come and join fellow industry members in a friendly game of golf. Register a team of your clients and/or colleagues early to ensure your entry.

Friday 6th November 2015

Huapai Golf Club  
Kumeu, Auckland

Register a team of four to represent your company, or just register yourself.

Registration closing date: Monday 2nd November

### 5 prizes to be won...

- Best Net Team Score
- Best Team Scratch Score
- Longest Drive
- Nearest the Pin
- Hole in One

### Items Supplied:

- Green fees
- Sausage sizzle
- Free drinks (on course only) - cash bar available
- Prize giving & BBQ

**Sponsorship opportunities are available at \$400 (excl GST) per hole. If you are interested, please email [amelia@fireprotection.org.nz](mailto:amelia@fireprotection.org.nz)**

### Sponsorship included:

- Logo displayed on the score card next to the sponsored hole
- Logo will be displayed on the FPANZ banner at registration & prize giving
- 4x registrations to play

MAJOR SPONSORS:

**Giltrap**

**Group**

## Registration

Forward your registration to: FPANZ, P.O. Box 302-372, North Harbour.

Fax 09 414 5707, Tel 09 414 4450, Email: [amelia@fireprotection.org.nz](mailto:amelia@fireprotection.org.nz)

### PAYMENT METHOD: Sponsorship

Payments may be made online, by cheque, or by credit card (Visa and Mastercard only). Please tick the payment method.

**CHEQUE**     \$

**ONLINE**     Fire Protection Association New Zealand Inc  
Bank:             Westpac Banking Corporation  
Account No:     03-0243-0160041-000  
Particulars:     Golf Day Sponsorship (please quote with payment)

**CREDIT CARD PAYMENT**

Visa      Mastercard

Card Number: \_\_\_\_\_

Cardholder's Name: \_\_\_\_\_

Expiry Date: \_\_\_\_ / \_\_\_\_     Security Pin:

Signature: \_\_\_\_\_



A tax receipt will be forwarded upon receipt of payment as confirmation of your sponsorship.

FINAL RELEASE

# fire NZ

## 2015

CONFERENCE & EXHIBITION



# TRANSFORMING THE FIRE TRIANGLE



15 – 16 OCTOBER 2015  
TSB ARENA | 4 QUEENS WHARF | WELLINGTON

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



# PROGRAMME

THURSDAY 15TH OCTOBER 2015

## PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA

Public Demonstrations will be running from 6am - 1pm

7.30am - 8.00am	REGISTRATION: All Delegates
8.15am - 8.30am	<b>Opening Address:</b> Honourable Paula Bennett
8.30am - 9.15am	<b>Keynote Speaker:</b> FPANZ Stephen Kip - The risk of fire, how we react to that risk, and why we regulate for fire safety.
9.15am - 10.00am	<b>Speaker:</b> IFE John Buckheit - High Rise Buildings
10.00am - 10.45am	<i>Morning Tea - Exhibitors Area</i>
10.45am - 11.15am	<b>Speaker:</b> SFPE Martin Feeney Holmes Fire - ASB North Wharf - A case study for innovation and change during the design and construction process
11.15am - 11.45am	<b>Speaker:</b> IFE Steve Hamm - Business Community Resilience
11.45am - 12.30pm	<b>Speaker:</b> SFPE David Youssef - Docklands High-rise Apartment Fire - Managing Community Consequence Case Study
12.30pm - 1.30pm	<i>Lunch - Exhibitors Area</i>

## 1.30pm - 3.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ - Room 1	Workshop 2 - IFE - Room 4	Workshop 3 - SFPE - Room 2	Workshop 4 - FPANZ/Design Room 3
1.30pm - 2.30pm Session One	<b>Matthew Wright</b> <i>Product Compliance the Australian Model</i>	<b>Steve Hamm</b> <i>London Olympics</i>	<i>Driving creativity in the film or advertising industry.</i>	<b>David Molnar - Victaulic</b> <i>Revit pipe routing, BIM best practices and coordination</i>
2.30pm - 3.15pm Session Two	<b>Lance Hunt</b> <i>Portable Fire Equipment Certification/Product Listing</i>  <b>Ela Langford</b> <i>Evacuation of Buildings and a Code of Practice</i>	<b>Alan Kerr</b> <i>Rio Olympics</i>	<i>Driving creativity in the highly regulated Aviation Industry.</i>	<b>David Molnar - Victaulic</b>

3.15pm - 3.45pm *Afternoon Tea - Exhibitors Area*

## 3.45pm - 5.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ	Workshop 2 - IFE	Workshop 3 - SFPE	Workshop 4 - FPANZ/Design
3:45pm- 4:30pm Session Three	<b>Competenz</b> <i>Training in the Industry the Future of Qualifications</i>	<i>Couch Session with John Buckheit and David Youssef - Q&amp;A</i>	<i>Fire Engineering Case Study</i>	<b>David Molnar - Victaulic</b>
4:30pm-5:15pm Session Four	<b>Aaron Grey</b> <i>A Software approach to passive system information</i>	<i>Couch Session with John Buckheit and David Youssef - Q&amp;A</i>	<i>Presentation of Ideas to regulators and obtain feedback</i>	<b>David Molnar - Victaulic</b>

5.15pm - 6.15pm

- AGM - IFE Room 4; and SFPE Room 2**
- SIG Group Meetings: EVAC Room 3; PASSIVE Room 1; INSPECTORATE TSB Meeting Room (upstairs)**
- Drinks and Canapés - Exhibition Area**

6.30pm - 10.30pm *Gala Dinner and Event - TSB Arena*



## AON FIRE NZ CONFERENCE DINNER

The Fire NZ Conference Dinner is sponsored by AON and will be held on Thursday 15th October.

This year's Conference Dinner will begin at 6:15pm followed by some entertainment which will involve it being themed around the Rugby World Cup, we will have each table allocated with a Country and battle it out with interesting games and activities to see who will be crowned the champion, with prizes to be won.

Since interest in attending this event is high, we urge you to make your reservation as soon as possible. Please complete and return the registration form to: [amelia@fireprotection.org.nz](mailto:amelia@fireprotection.org.nz)

**FRIDAY 16TH OCTOBER 2015**



**PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA**  
Public Demonstrations will be running from 7am – 1pm

7.00am – 8.30am	Delegates Breakfast/ <b>SIG Group Meeting HOFFE</b> Room 2
-----------------	--

**OPTION 1: SITE VISITS**

Buses depart 8.30am – Return to TSB 12.00pm	#1 BRANZ – Refer to page 10	#2 Pertronic and Fraser Engineering – Refer to page 10
---	-----------------------------	--

**OPTION 2: SPEAKERS**

8:30am – 9:10am	<b>Speaker:</b> SFPE Ben Hume and Kevin Weller – <i>FDS and Sprinklers</i>
9:10am – 9:40am	<b>Speaker:</b> FPANZ Satya Nand – <i>COTEC Innovative Solutions Designed into new generation of Passive Fire Protection Coatings.</i>
9:40am – 10:00am	<b>Platinum Speaker:</b> Hans Gerlich – <i>Post-Fire Stability</i>
10:00am – 10:45am	<i>Morning Tea – Exhibitors Area</i>
10:45am – 11:15am	<b>Speaker:</b> FPANZ David Molnar – <i>Victaulic BIM requirements become the norm, what does that mean for industry?</i>
11:15am – 12:00pm	<b>Speaker:</b> Eddie Tieppo – Xtralis – <i>Innovation and Early Warning Detection.</i>
12:00pm – 12:30pm	<b>Speaker:</b> FPANZ Dr Geoff Thomas – <i>Sustainable Building Features and Fire Safety.</i>
12.30pm – 1.30pm	<i>Lunch – Exhibitors Area</i>
1:30pm – 2:00pm	<b>Speaker:</b> FPANZ Peter Whiting BRANZ – <i>Fire Compliance Testing for interior surface finishes.</i>
2:00pm – 2:30pm	<b>Platinum Speaker:</b> David Percy Pertronic
2:30pm – 3:00pm	<b>Speaker:</b> FPANZ Michael Belsham MBIE
3:00pm – 3:30pm	<i>Afternoon Tea – Exhibitors Area</i>
3:30pm – 4:00pm	<b>Speaker:</b> SFPE Mohd Zahir – <i>Carpark Fires</i>
4:00pm – 4:30pm	<b>Speaker:</b> SFPE Geoff Merryweather – <i>Bomb in the Basement –risk assessment of basement plant rooms</i>
4:30pm – 5:00pm	<i>Wrap up of the Conference</i>



Company:	No. of Attendees:
Attendee 1: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 2: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 3: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 4: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 5: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Postal Address:	
Postcode	
Contact Name:	Membership discounts apply to conference registrations only: <b>FPANZ</b> <input type="checkbox"/> Platinum Members .... 25% <input type="checkbox"/> <b>IFE</b> Members ..... 5% <input type="checkbox"/> Gold Members..... 20% <input type="checkbox"/> <b>SFPE</b> Members ... 5% <input type="checkbox"/> Silver Members ..... 15% <input type="checkbox"/> Bronze Members ..... 10% <i>Note: The member price applies to FPANZ, IFE and SFPE USA members only.</i> <input type="checkbox"/> Individual Member .... 10%
Phone: (      )	
Email:	
Order Number (if applicable)	
Date:      /      /	

Registration Fee <small>excl. GST</small>	FPANZ, IFE, SFPE member base price <small>excl. GST</small>	Non Member <small>excl. GST</small>
<b>Full Registration:</b> <i>includes attendance and catering for the full 2 days including conference dinner, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$860	<input type="checkbox"/> \$1060
<b>2 Day Registration:</b> <i>includes attendance and catering for the full 2 days, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$725	<input type="checkbox"/> \$940
<b>One Day Registration:</b> <i>includes attendance workshop or site visit and catering, for the full 1 day (excludes conference dinner and delegate satchel).</i>		
Thursday 15 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530
Friday 16 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530

### Cancellation Policy:

All cancellations must be made in writing to FPANZ. A cancellation fee of 25% will be charged for cancellations until 14 days prior to the event. No refund will be offered for cancellations 14 days prior to the conference. A substitute may attend in place of a registered delegate.

**Payment:** A tax invoice will be provided on receipt of the registration form. Delegates can also choose to pay by credit card, using either Visa or Mastercard. A 2% surcharge applies to all credit card transactions.

### Send Completed Registration form to:

Conference Organiser  
 Fire Protection Association NZ  
 Private Box 302-372  
 North Harbour, Auckland 0751

Ph: (09) 414-4450, Fax: (09) 414-5707

Email: [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz)

*Please note: Registrations must be received no later than Friday 2nd October 2015*

Day 1 afternoon attendance options 1:30pm - 5pm <small>tick attendee preferences</small>			
<b>Workshop FPA #1</b> <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
<b>Workshop IFE</b> <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
<b>Workshop SFPE</b> <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
<b>Workshop FPA #2</b> <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>

Day 2 morning options 8am - 12pm <small>tick attendee preferences</small>			
<b>Site Visit Branz</b>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
<b>Site Visit Pertronic &amp; Fraser Engineering</b>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
<b>FIRENZ Conference Breakfast</b> <i>15th October, 7.00am – 8.30am.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>

**Conference Dinner** *(No Membership discount applies to dinner tickets)*

No. of Tickets  Ticket Per Head \$156  Corporate Table of 8 \$1250

TOTAL excl. GST \$



### Burns Support Charitable Trust

In support of this organisation, each registration will automatically donate \$5 to the Burns Support Charitable Trust.

Credit Card:  Mastercard  Visa

Card Number:

Cardholder Name:  
 \_\_\_\_\_

Expiry Date: \_\_\_\_/\_\_\_\_

Card security code (CSC):     
(3-digit number on back of card)

Cardholder's Signature:  
 \_\_\_\_\_



**Wellington Free Ambulance** in support of this organisation a donation will be made.

# 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 extinguishers, Halon extinguishers, are so old – if you have one, the chances are they will let you or your family down in a fire.**

Halon damages the ozone layer which in turn can affect our health, causing skin cancer, cataracts and other illness as well. Damaging the ozone layer can also impact on our weather, our soil and our crops.

Protect yourself, your family or business, by handing in your old yellow extinguisher. It's easy to do – simply take it to the nearest local approved Fire Extinguisher Service Agent. A list can be found at [www.fireprotection.org.nz](http://www.fireprotection.org.nz)



**YELLOW IS OUT**  
**RED IS IN**

While there, talk to these experts about your needs and how best to protect against fire, including alternatives such as a red fire extinguisher\*, a fire blanket, a smoke alarm, and other effective choices. Often a combination is the best approach.

**So act now and hand in your old yellow extinguisher.** It's a service for the general public and small businesses. A small recovery charge will be set at \$10 per kilogram (up to a maximum extinguisher weight of 2.1 kg in size). A Halon extinguisher larger than 2.1kg is considered a commercial size and will be disposed of at a quoted rate.

*\*There is more than one type of red fire extinguisher on the market. Ask which one best suits your needs.*

**For more information**

call FPANZ on 09 414 4450 or visit us at [www.fireprotection.org.nz](http://www.fireprotection.org.nz)

**FPA**  
NEW ZEALAND

## 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>  **CLICK TO OPEN LINK**



The screenshot shows the website [www.fireprotection.org.nz/about-us/logos](http://www.fireprotection.org.nz/about-us/logos). The page features a navigation menu with options: Home, About Us, What's on?, Information on..., Membership, and Downloads & Files. The main content area is titled "Guidelines for use of the FPANZ Logo's" and includes a list of guidelines and examples of logo use. The guidelines section lists several rules, such as "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." and "The logo cannot be used where it may be seen as endorsing a product." The examples section lists various uses, including "In a supporting or signature role but not as a dominant feature" and "On Company web sites".

Fire Research & Investigation Unit

# Heads Up



## The Hazards of Linseed Oil

### BACKGROUND

Linseed oil is a yellowish oil obtained from the dried, ripened seeds of the flax plant (*Linum usitatissimum*, Linaceae). Linseed oil is a *drying oil*, meaning it can solidify into a solid form. Due to this property, linseed oil is used on its own

or blended with other oils, resins, and solvents as an impregnator and varnish in wood finishing, as a pigment binder in oil paints, as a plasticizer and hardener in putty, and in the manufacture of linoleum. Linseed oil is still widely used for the finishing and refinishing of furniture and timber products.

Two types of linseed oil are commonly sold: raw and boiled.



"Raw" linseed oil is oil which has been squeezed from flax seed and packaged with no additional additives or preservatives. Raw linseed oil dries very slowly, taking weeks to fully cure. It is commonly used to protect items exposed to the elements where drying time is not a consideration.

"Boiled" linseed oil is not actually boiled. Instead solvents are added which cause the linseed oil to dry more quickly, acting as if it were boiled. This makes it a better product for preserving tasks which require a quicker drying time

With both raw and boiled linseed oil, and other oils used to finish wood, (including some exterior deck sealers and wood stains) heat is generated during the drying process. This is because these oils don't dry like paint (through the evaporation of a solvent or water). Instead, they dry through the same chemical process that generates fire – oxidation. This process generates heat and in some cases this heat may be sufficient to ignite the material it is on and then catch fire to anything nearby. This is called spontaneous combustion because it occurs as its own process without the need for a flame to be introduced

For spontaneous combustion to occur, enough heat must accumulate so fire can start. You would never see a piece of furniture spontaneously combust because the oil oxidizes in open air so the surface never even gets warm to the touch. But a pile of oil-soaked rags can.

In every case of spontaneous combustion of drying oils that we have found, the cause has been a pile of oil soaked rags. It seems that, as the oil oxidizes, the rags act as an insulator, allowing the oxidizing oil to become hot enough to cause the cloth to smoke and eventually ignite. The bigger the pile, the greater the possible heat and the greater the risk.

Temperature is also a factor. The warmer it is, the quicker the rags can reach ignition temperature.



## INCIDENT DETAILS



On a hot afternoon, firefighters were called to a spa pool on fire which was threatening a house. On arrival they found the spa pool destroyed and the fire growing rapidly. After the fire was extinguished it was determined that the fire had started on the deck which surrounded the spa pool. The owners were spoken to and confirmed that they had been using linseed oil on outdoor furniture, applying it with a rag which had been left "scrunched up" on the deck. This was the point that fire investigators identified as the point of origin for the fire. The rag had been in this location for approximately 15 hours prior to the fire being discovered.

## LESSONS LEARNED/RECOMMENDATIONS

Store rags in a non combustible container (metal) with a close fitting lid, away from the house and combustible materials

Rags soaked with linseed or other drying oils may smoulder for several hours before flames are visible

Rags used with linseed oil should be allowed to dry completely in a safe place, away from flammable materials. The best way to achieve this is to lay the rags out flat on a concrete driveway and allow them to completely dry off.

## INFORMATION SOURCE

NZ Fire Service Fire Research and Investigation Unit



For more information, or to contribute to 'Heads Up'  
e-mail [fireinvestigation@fire.org.nz](mailto:fireinvestigation@fire.org.nz)





## SAFETY SPOTLIGHT

- A big thank you to all those Charter signatories who have paid their levies. We have invoiced Charter members over \$90,000 and to date, we have received \$56,800. These levies allow the Charter to continue to develop materials to support signatories to improve their Charter performance.
- Thank you to those who have submitted nominations for the Charter Champions. We are currently assessing nominations from six Charter organisations and hope to make announcements soon. For more information on Charter Champions, including how to nominate them, [click here](#).
- Check out Radio NZ's Insight programme on H & S – some really positive messages from Hawkins about H & S in Canterbury, [click here](#).



## Graham's View

UK H & S expert, Lawrence Waterman, is regarded as a 'trailblazer' in his field. Earlier this year many of you enjoyed the opportunity to learn from Lawrence's experience working on some of the UK's largest and most high profile construction projects. ACC is bringing Lawrence back to NZ in October for a series of industry events in Auckland, Wellington and Christchurch. We're thrilled to be hosting him for a Charter breakfast and a half-day 'Master Class' for H & S practitioners and representatives.



When he was here in April, Lawrence hosted a workshop with members of the Charter's Working Groups. One of the action points from this workshop was the idea of targeting frontline H & S reps – professional practitioners, supervisors, foremen or elected H & S reps – as being key to lifting H & S awareness, performance, behaviours and communication.

Feedback from the work being undertaken by our Charter Officer, Libi Carr, as well as from the Canterbury Rebuild Safety Forum, supports the need to up skill people at the frontline of H & S delivery.

Lawrence also believes in the power of positivity in creating change – basically focusing on what's right on site - rather than what's wrong. We've taken this approach on board with the recent launch of our 'Charter Champion' Award. We want to celebrate the efforts people go to everyday to ensure our industry is safe – if you know of someone in your business, in your contracting chain or on one of your sites who deserves acknowledgement for great H & S leadership, [click here](#) to nominate them for a Charter Champion award.

And finally, as the 'silly season' approaches (its arrival hastened this year by the RWC) we've decided to focus on impairment over the next few months. So if you're under the weather from getting up at 3am to celebrate another AB victory, then the Charter will soon have a range of tools and resources available on our website to ensure you and your team are match fit for work!

**Graham Darlow**  
Charter Steering Group Chair

## CHARTER NEWS

### Men @ Work – Champion Cantabrians

**Encouraging safer workplaces, with the ultimate aim of reducing the number of work-related injuries, is why ACC is proud to sponsor the Champion Canterbury Awards.**

A record 27 entries were received for this year's ACC 'Workplace Safety Award' – testament, according to Minister for ACC, Hon Nikki Kaye, "of the growing economic strength and confidence within the region."

The winners of the ACC award were Men @ Work – a family business providing temporary traffic management solutions and services for projects that involve civil construction, under-road infrastructure, events and anything else occurring on or near roads. Basically they stop people from getting run over!

Minister Kaye spoke about the importance of leadership in building safety culture and how vital robust health and safety procedures and practices are to creating a healthy business.

ACC staff members, Jill Williamson and Kate Sutcliffe, were on the judging panel for the Awards. According to Jill, the winning business had "the right attitude, the right systems and processes in place and a genuine commitment to looking after their staff and their clients.

Men @ Work co-owner, Dean Hyde summed it up by saying during his acceptance speech – 'You don't want to get to the end of your life holding on to the regret that someone was injured because you didn't do the right thing.'

Men @ Work are Charter members and at tertiary level in the ACC Workplace Safety Management Practices programme.



Dean and Esther Hyde with Minister Kaye



**Lawrence Waterman** OBE

- Director of Health and Safety, Battersea Power Station
- Olympic Legacy Development Corporation, Trustee of the
- British Safety Council and Past President IOSH



# Lawrence Waterman – You’re Invited!

We’ve got two great opportunities for Charter members to engage with Lawrence Waterman when he visits NZ in October.



## 1. Charter ‘Plus One’ Breakfast

**Join us for breakfast to learn from Lawrence about his experience on some of Europe’s largest and most high-profile construction projects.**

Lawrence will share some new thinking from his two current projects - ‘Beyond Expectations’ is a health, safety and wellbeing project at the Battersea Power Station- a vision which will see H & S integrated into every element of the development. ‘Transformational H & S’ is a continual improvement drive instilled as part of the Thames Tideway Tunnel development. Both programmes will have practical relevance and application here in Canterbury.

To help extend our reach into smaller businesses, we’re asking for Charter members to bring a ‘plus one’ - a friend, contractor or subbie who is not currently a Charter member but could do with some inspiration to join.

**Details:** Charter Breakfast (and yes there will be breakfast!)

**When:** Thursday 29 October 7-8.30am

**Where:** The Foundry, University of Canterbury (90 Ilam Rd, opp Ilam Fields; free car parking on site)

**RSVP:** to [Nikki.hawkey2@acc.co.nz](mailto:Nikki.hawkey2@acc.co.nz) (get in early as spaces are limited). Please include the name and email contact of your ‘Plus One’ when you RSVP.

## 2. H & S Master Class with Lawrence Waterman

Lawrence has often referred to ‘front liners’ (supervisors, foremen and H & S reps) as being ‘key’ to changing H & S behaviour on site.

This workshop is for:

- H & S reps (both appointed and elected)
- People responsible for workers’ H & S and wellbeing
- H & S practitioners who are passionate about H & S, keen to learn new ways of communicating/engaging and willing to lead change.

The Master Class will be a hands-on session, based around the principles of ‘pre-conditioning for success’ – trust, respect, communication, breaking down barriers, working together effectively and what good practice looks like.

Lawrence is engaging, challenging, motivating and extremely capable – this is a once-in-a-lifetime opportunity to learn from the best! If you would like to attend – or you have a contractor or sub-contracting business whose staff would benefit from this workshop, please contact us now.

**When:** Thursday 29 October 9am – 12 noon

**Where:** The Foundry, University of Canterbury (90 Ilam Rd, opp Ilam Fields; free car parking on site)

**RSVP:** Spaces are very limited - register your interest by emailing: [Nikki.hawkey2@acc.co.nz](mailto:Nikki.hawkey2@acc.co.nz) or phone 03 375 9336.

## ACC Data Update

New construction-related claims in Canterbury were unchanged this month from those recorded in July (547). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – were static (both months recorded 80). The average cost of claims in the first 12 months post-injury continued to decrease – from \$1952 in July to \$1866 in August.

For the second consecutive month, plasterers recorded the largest increase in claims by occupation, followed by heavy truck drivers and bricklayers/stonemasons.

The residential building sector continues to dominate claims; but showed a second consecutive month of leveling off (claims sitting at around 160 per month). The trend continues with the Labour On Hire sector also recording another slight decrease in claims.

**Click here** to read the August 2015 dashboard.

## Charter Performance and Leadership Updates

Charter Performance Improvement Plans can now be generated by signatories in the new Members area launched last month. We invite all signatories to use the tool to improve their Charter performance. Completing a plan is quick and easy, especially for those who have already completed a Charter performance assessment. A number of organisations have already completed these plans. We would welcome any feedback on how useful the plans have been for your organisation and how they can be improved. Please send any feedback to [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz).

A number of you have also used the new Leadership measurement tool. The tool is designed to help all in your organisation including directors, managers, site supervisors and workers. The tool helps identify the areas of health and safety leadership where you can improve. We welcome feedback from you on how useful the tool has been with improving your health and safety leadership. Please send any feedback to [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz). We hope to share stories of use of the tool with you in upcoming Charter newsletters.



## Working with the Philippine community to grow H & S Capability

Earlier this month, Safe Rebuild hosted a simplified 'Safe Rebuild Champions' course for Filipino workers. Workers from the Philippines make up a large number of rebuild workers so it's important we work together to ensure they have the knowledge, skills and experience to be safe at work.

Safe Rebuild engaged with the Philippine Culture and Sports group and the Christchurch Migrant Centre to host this event, which attracted over 150 workers. The course was held after church on a Sunday, at the CPIT's fantastic new venue, Te Puna Wanaka Centre. As well as finding out about the basic H & S requirements under the NZ legislation, the group also learned about their entitlements under ACC and how to engage and speak up about H & S on site.

Safe Rebuild's Jo Duffy said the event was a great success and one they would look to run again in future. "We know that many Filipino workers have a limited understanding of NZ health and safety laws and the NZ employment environment. They are also not confident about speaking up about H & S and this can often be compounded by language barriers. By bringing this group together and working with organisations they respect and trust, we can help not only raise awareness of how H & S works in this country, but we can also build their capability and confidence. It will mean that whatever country they travel to next, they will take H & S with them."


## ALCOHOL AND OTHER DRUG (AOD) WORKSHOPS – Free for Charter Members

The Alcohol and other Drugs (AOD) Working Group is made up of representatives from industry, government and health agencies. It has been active over the past year delivering workshops and undertaking research to gain an understanding of just how much the construction industry is impacted by impairment (fatigue, drugs and alcohol).

Feedback from those attending the workshops - from managers right down to frontline construction workers – has been really positive and we want to extend an invite to Charter businesses (and their supply chains) to get involved.

The workshops will focus on:

- AOD use and how the construction industry is affected
- the different types of/and the effects of substances of misuse
- assessing for intoxication withdrawal
- where to go for help

Workshops can be tailored to meet your requirements (within reason of course!) – so if you would like to know more about attending an AOD workshop, [click here](#). 



## THE WORKER'S VOICE

We're moving at full speed to the finish line for the 6 month Charter project.

Our focus now is on gathering a rich and broad range of data from the smaller Charter signatories and non-signatories – to add to the information already gathered in Phase 1 of the Project from the larger Charter signatories.

Research First is analysing much of the data gathered and is in the process of conducting focus group discussions with three identified groups: Senior Business leaders in the rebuild; site supervisors, foremen and site managers; and workers on the tools.

On the ground we are working with smaller Charter signatories and non-signatories to conduct Charter awareness sessions, undertake the Charter survey and talk with them about their views, perceptions, understanding and practical experiences of H&S in the rebuild.

The willingness of business and workers to engage in this project has been fundamental to our ability to gather rich and valuable information from workers on the ground.

All of the information gathered will be collated into a final report to the Charter Steering Group. From this we hope to see recommendations from the project considered and implemented on the ground – with the ultimate goal of improving H&S for all of us in the rebuild.

Welcome to new Charter signatory AJ Scott Construction.



*Pictured above are AJ Scott workers with their newly elected H&S rep Ben Hawkins (centre) displaying the 'Got your Back' sticker on his hard hat.*



**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)

## WELCOME ABOARD

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



New endorsees for this month:



We now have 259 signatories and endorsees – so thanks to everyone who has supported, nominated and challenged other businesses to sign up for safety!





**27  
OCT**

**TRADE BREAKFAST - Electrical Safety on Construction Sites**

WorkSafe New Zealand is hosting a free trade breakfast on electrical safety standards, maintenance and testing of appliances and equipment on construction sites.

The most common electrical risks and causes of injury are electric shock by direct or indirect contact, tracking through or across a medium, or by arcing, fire resulting from an electrical fault.



Even the briefest contact with electricity can have serious consequences to a person's health and safety. Electric shocks from faulty electrical equipment may also lead to related injuries, including falls from ladders, scaffolds or other elevated work platforms.

Other injuries or illnesses may include muscle spasms, palpitations, nausea, vomiting, collapse and unconsciousness. Workers using electricity may not be the only ones at risk; faulty electrical equipment and poor electrical installations can lead to fires that may also cause injuries to others.

Join us for a free breakfast to learn about:

- Electrical safety on construction sites
- Practical application of the main safety concepts
- Case studies from the industry

You will also be able to get advice from a panel of specialists and WorkSafe New Zealand representatives.

**When:** Tuesday 27 October 2015

**Time:** 7.00am - 9.00am (Breakfast available from 6.30am)

**Where:** Rydges Hotel, Latimer Square Christchurch

**RSVP:** Please RSVP to [regan.nolan@worksafe.govt.nz](mailto:regan.nolan@worksafe.govt.nz) by Monday 19 October 2015 and advise who will be attending from your organisation.

We look forward to seeing you there.

**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.



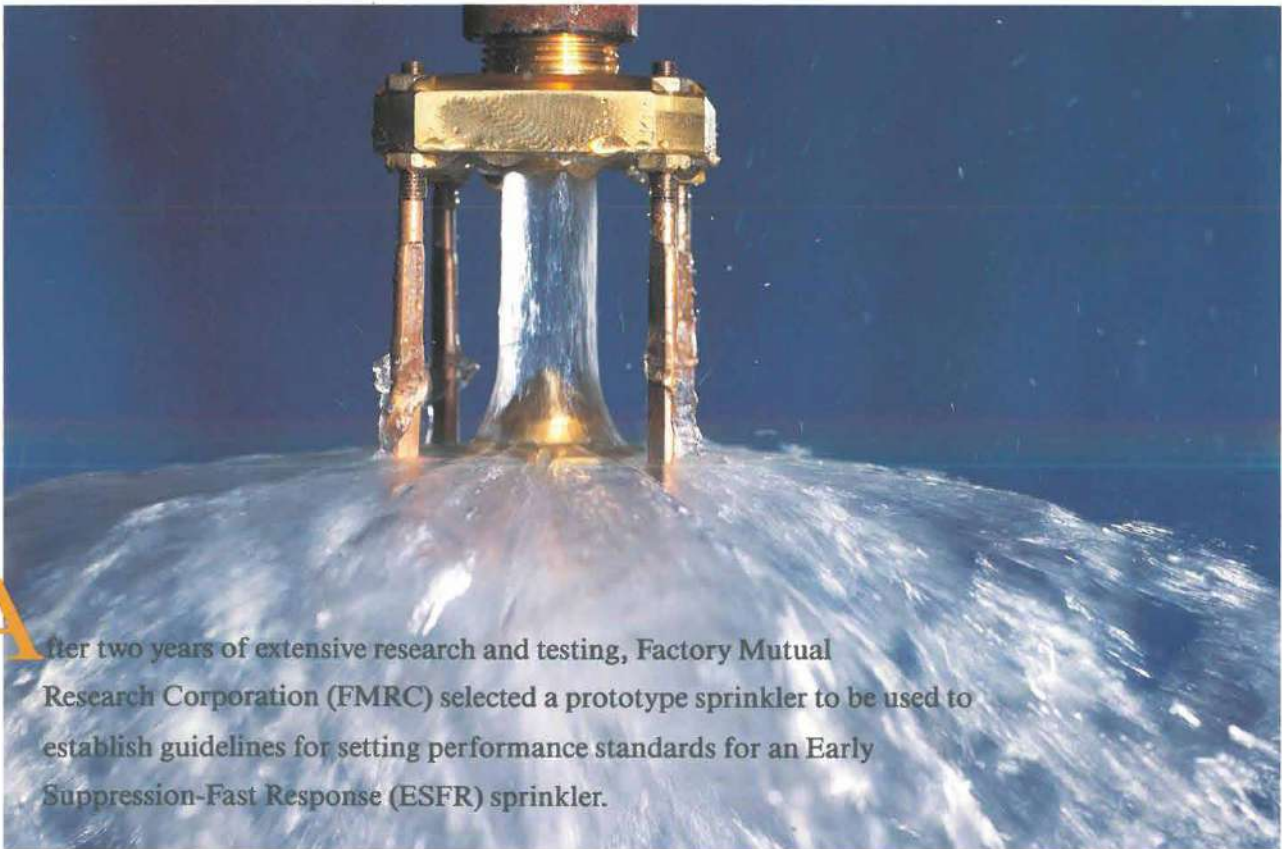
# ESFR

UPDATE

SPR  
1

A Progress Report on the Factory Mutual System's ESFR Sprinkler Program

## ESFR Prototype Selected; Final Tests Underway



**A**fter two years of extensive research and testing, Factory Mutual Research Corporation (FMRC) selected a prototype sprinkler to be used to establish guidelines for setting performance standards for an Early Suppression-Fast Response (ESFR) sprinkler.

The prototype, developed by Automatic Sprinkler Corporation of America, was chosen from the second group of prototypes submitted to FMRC by five sprinkler manufacturers.

An ESFR sprinkler has an inherent capability to quickly suppress a high-challenge industrial fire as represented by double-row rack storage of unexpanded plastics up to 25 ft (7.6 m) high in a 30 ft (9.1 m) high building.

The Automatic prototype sprinkler is of pendent design and has a K-factor of 14 (0.70 in. dia. orifice, 17.8 mm). (*The K-factor is a measure of a sprinkler's discharge capacity,*

*which is largely a function of its orifice diameter.*) The Automatic prototype link is rated at 165°F (74°C) and has a Response Time Index (RTI) of 50 English units (28 metric units).

In selecting the ESFR prototype, more than just a fast response link was considered. A crucial design feature is the prototype's ability to deliver the Actual Delivered Density (or ADD) in a quantity equal to or in excess of the Required Delivered Density (or RDD). In order to suppress a fire, the ADD must meet or exceed the RDD. Fast response is just one of the means to achieve that goal; by responding more rapidly, the fire is

smaller and the RDD is correspondingly less.

FMRC tested an initial group of 17 prototypes, the majority of which were K-11.2 (0.64 in. dia. orifice, 16.3 mm). Their ability to provide an adequately wide distribution of high density spray simultaneously with sufficient central core water spray momentum proved to be marginal (see *ESFR Update* Vol. 2, No. 2). Even the best of the original prototypes had one of those characteristics, but not both. ESFR sprinklers need a broad water-spray distribution in order to suppress fires in storage

ESFR/4

## Installation Guidelines Being Drafted

Fire tests currently being conducted are expected to supply data that will enable FMRC to prepare the installation guidelines for Early Suppression-Fast Response (ESFR) sprinklers.

Initial guidelines will be somewhat restrictive in that they will be limited to: 1) installation beneath an essentially flat ceiling; 2) buildings having a maximum of 30 ft (9.1 m) headroom with up to 25 ft (7.6 m) storage height and a minimum 3 ft clearance to the top of the storage; and 3) solid piled, palletized and double-row rack storage of unexpanded plastic or Class I-IV commodities or other commodities demonstrated to be less hazardous. Additional research will

be needed to develop the information for the protection of other roof designs, building and storage configurations, and commodities.

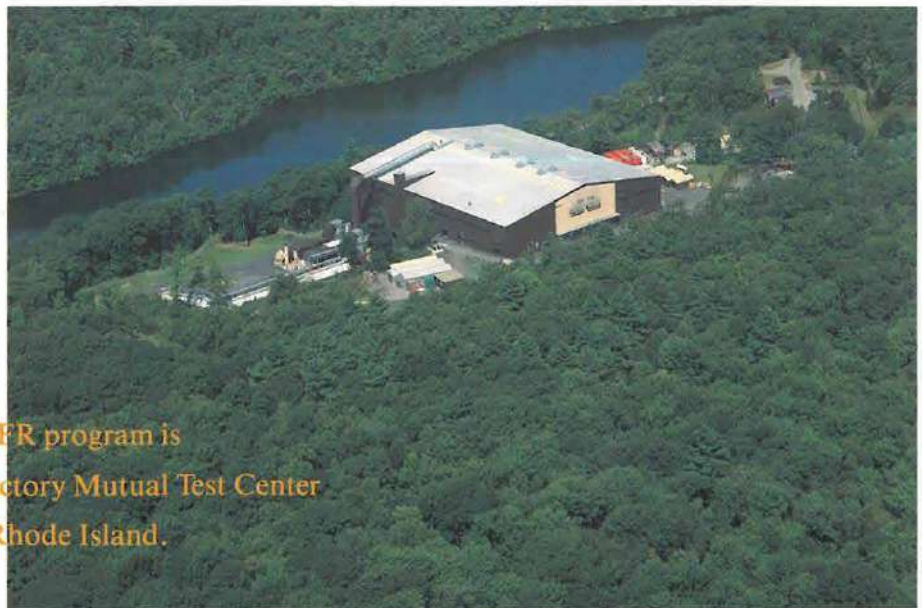
Retrofitting of existing sprinkler systems may be possible in some cases by altering the piping to accommodate pendent sprinklers; however, in other cases, major changes or a new piping system may be needed. Each case will have to be evaluated on its own merit.

Installation guidelines for ESFR sprinklers are expected to follow the general format of FM Loss Prevention Data Sheet 2-7, "Installation Rules for Sprinkler Systems Using Large-Drop Sprinklers." Of course,

ESFR sprinklers need not be installed where an existing structure is already adequately protected by standard or large-drop sprinklers. However, the installation of ESFR sprinklers in a building will, in all likelihood, permit greater warehousing flexibility in that they are expected to be able to protect a greater variety of commodities and tolerate a number of different and changing storage arrangements. The need for in-rack sprinklers also will be reduced.

A draft of installation guidelines is expected within 60 days following the completion of upcoming ADD testing.

All testing for the ESFR program is conducted at the Factory Mutual Test Center in West Glocester, Rhode Island.



ESFR Update is published to keep all interested parties informed about progress of the ESFR program. 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.

Name \_\_\_\_\_

Address \_\_\_\_\_

Company \_\_\_\_\_

ESFR Update, Vol. 2, No. 3  
Editor: Ellen K. Casaccio  
Designer: Elaine Jagatta  
Photographer: Terry Young  
Copyright © 1985 Factory Mutual Engineering Corp. All rights reserved.



Allendale Insurance  
Arkwright-Boston Insurance  
Protection Mutual Insurance  
System Associates:  
Factory Mutual International  
FM Engineering and Research

that is stacked to near ceiling level and where fire occurs between two sprinklers or centered under four. The spray distribution from a sprinkler must overlap with the distribution of an adjacent sprinkler at a central location three feet below the sprinklers. At the same time, high water-spray momentum, especially at the central core of sprinkler discharge, is necessary to suppress fires beneath a sprinkler. This is particularly important when a large clearance of 10 ft (3 m) to 15 ft (4.6 m) exists between the sprinkler and the top of the stored commodity.

FMRC developed and tested its own K-14 prototype ESFR sprinkler (designated model BPB). The FM sprinkler performed well in intermediate-scale fire tests on double-row rack storage of plastic commodities stacked three, four and five tiers high (see the first four tests in Table 1 for results).

FMRC then sent a modified set of guidelines to the five participating sprinkler manufacturers. They were: Automatic Sprinkler Corporation of America, Central Sprinkler Corporation, Grinnell Fire Protection Systems Company, Reliable Sprinkler Company and The Viking Corporation. This time a K-factor larger than 11.2 was suggested, though not mandated. The larger K-factor was considered necessary to improve fire

plume penetration by means of larger water droplets and higher water-spray momentum, as well as to provide a reasonably wide distribution to permit overlap.

The manufacturers studied the data and submitted nine new prototype sprinklers to FMRC for evaluation. Three had a nominal K-factor of 11.2, four of 13.5, and two of 14.

The ADD performance of these new ESFR prototype sprinklers was measured under four critical conditions. (See *ESFR Update* Vol. 2, No. 1 for a description of the ADD test apparatus.) A fire source with a convective heat release rate of 150,000 Btu/min (2636 kW) and a sprinkler with a discharge pressure of 50 psig (345 kPa) were used. The fire size of 150,000 Btu/min (2636 kW) was selected for two reasons: first, RDD tests had shown the heat release rate continued to increase for a short time after the water was applied, and second, it was assumed that if the ADD could be supplied at this higher heat release rate, it will also be supplied with lesser fire challenges.

The four critical test conditions were:

1) the fire source centered beneath a single sprinkler with a ceiling to commodity clearance of 15 ft (4.6 m);



2) the first condition repeated, but with a ceiling to commodity clearance of 10 ft (3 m);



3) the fire source centered among four sprinklers on a 10x10 ft (3x3 m) spacing with a sprinkler to commodity clearance of 3 ft (0.9 m); and



4) the fire source centered between two sprinklers spaced 12 ft (3.7 m) apart with a sprinkler to commodity clearance of 3 ft (0.9 m).



In each test, ADD measurements were taken in a critical area (8x8 ft [2.4x 2.4 m]) centrally located beneath the prescribed test configuration. The measured values then were fitted to a statistical model that describes fire suppression performance of various prototype sprinklers in terms of: 1) an ADD value; and 2) a uniformity of distribution value. One of the criteria for early suppression has been defined as the ADD value provided by the first ring of sprinklers meeting or exceeding the RDD value

**Table 1. Intermediate-Scale Fire Test Results for Models BPB (FMRC's prototype) and CPF (Automatic's prototype)**

Test No.	E-15	E-19	E-21	E-22	E-31	E-32	E-33	E-34
Prototype Sprinkler	BPB	BPB	BPB	BPB	CPF	CPF	CPF	CPF
Ignition Centered Below No. of Sprinklers	1	1	4	2	1	1	2	4
Storage Height (ft-in)	19-6 (5.9 m)	14-6 (4.4 m)	24-6 (7.5 m)	24-6 (7.5 m)	19-6 (5.9 m)	14-6 (4.4 m)	24-6 (7.5 m)	24-6 (7.5 m)
Clearance to Sprinklers (ft-in)	8-3 (2.5 m)	13-3 (4.0 m)	3-0 (0.9 m)	3-0 (0.9 m)	9-2 (2.8 m)	14-2 (4.3 m)	3-0 (0.9 m)	3-0 (0.9 m)
Equivalent No. of Pallet Loads Consumed	< 1/4	< 1/4	2 1/2	1 1/2	< 1/4	< 1/6	1 1/2	2 1/4

Constant test factors (nominal): 14 K-factor (0.70 in. dia. orifice, 17.8 mm); 165°F (74°C) temperature rating; 50 RTI English units (28 metric units); and 50 psig (345 kPa) constant water pressure. The sprinklers were of pendent design. In tests where the fire source was centered between two or under four sprinklers, a 10x10 ft (3x3 m) spacing was used.

Model CPF was produced by Automatic Sprinkler Corporation of America, and Model BPB was a Factory Mutual prototype. The fuel arrays consisted of double-row rack storage segments containing Factory Mutual standard, plastic test commodity.



**Table 2. ADD/RDD Ratios of Prototype ESFR Sprinklers Under Four Test Conditions**

Prototype Model	ADD/RDD Ratio			
	Condition 1 15 ft (4.6 m) Clearance	Condition 2 10 ft (3 m) Clearance	Condition 3 3 ft (0.9 m) Clearance	Condition 4 3 ft (0.9 m) Clearance
CPF	1.54	1.65	1.24	0.85
MPC	1.34	1.53	1.12	0.46
CPH	1.07	1.22	1.31	0.90
PPH	2.14	1.70	0.98	0.56
PPG	1.98	1.22	0.88	0.48
BPB	1.84	1.31	0.82	0.55
MPD	0.81	1.43	1.07	0.30
FPB	0.98	1.40	0.62	0.30
DPC	0.71	0.80	1.27	0.65
DPB	0.61	0.84	1.14	0.57

**Table 3. Probability of ADD Value in Any Given Collection Pan Exceeding RDD for Prototype ESFR Sprinklers Under Four Test Conditions**

Prototype Model	P (ADD > RDD) in each water collection pan			
	Condition 1 15 ft (4.6 m) Clearance	Condition 2 10 ft (3 m) Clearance	Condition 3 3 ft (0.9 m) Clearance	Condition 4 3 ft (0.9 m) Clearance
CPF	0.66	0.83	0.57	0.10
MPC	0.58	0.62	0.49	0.01
CPH	0.42	0.53	0.62	0.27
PPH	0.85	0.70	0.31	0.05
PPG	0.84	0.49	0.13	0.03
BPB	0.64	0.47	0.18	0.01
MPD	0.10	0.65	0.41	0.000
FPB	0.33	0.68	0.07	0.000
DPC	0.02	0.24	0.61	0.01
DPB	0.02	0.23	0.55	0.000

for a specific fire challenge, *i.e.*, the ratio of ADD value to RDD value should be 1.0 or greater. Ratios of the ADD values to the RDD values for the new group of ten prototype sprinklers (nine from the manufacturers and one from FMRC) and test conditions are tabulated in Table 2. Among three prototypes (CPF, MPC and CPH) an ADD/RDD ratio of more than 1.0 was obtained under test conditions 1 (⊗ 15 ft [4.6 m]), 2 (⊗ 10 ft [3 m]) and 3 (⊗). But model CPF (Automatic's prototype) has the highest overall value when all four test conditions are taken into consideration.

The uniformity of water spray distribution among sprinkler models varies widely for a particular test condition. In addition, the degree of uniformity for a given sprinkler model is affected by variables that include (among others) sprinkler discharge pressure, number of discharging sprinklers, and commodity

to sprinkler clearance. In general, the more uniform the distribution, the higher the probability that the ADD value measured in any given water collecting pan will exceed the RDD. Table 3 is a tabulation of the probability values determined for each prototype sprinkler and test condition. The probability value represents the fraction of water collecting pans that have ADD values that meet or exceed the RDD value of the fire challenge. The greater the value, the greater the chance of early suppression. Again, Model CPF displays relatively higher probability values when overall test conditions are considered.

In order to complete the ESFR prototype selection process, a series of intermediate-scale fire tests was conducted with the model CPF sprinkler. As shown in Table 1, under identical test conditions, the fire protection performance of model CPF (the K-14 Automatic sprinkler) compared

favorably with FMRC's model BPB. To demonstrate the high central core momentum of model CPF over the best K-11.2 prototype, sprinkler F (see *ESFR Update* Vol. 2, No. 2), Test No. E-32 was repeated. Water discharge from the model CPF sprinkler, located directly over the ignition source, was held back manually for 25 seconds after the activation of the sprinkler link mechanism. Successful early suppression still was accomplished with only one sprinkler operating. Test data obtained thus far seems to support that fire can be suppressed quickly when the overall ADD/RDD ratio is greater than 1.0, and the probability value, P(ADD > RDD), is greater than 0.37.

Condition 4 (⊗) in Tables 2 and 3, in which measurements were taken with only two sprinklers at a distance of 12 ft (3.7 m) apart, shows lower values than the other conditions. Under this circumstance, the fire suppression performance in a fire test will be influenced by the operating sequence of the sprinklers, *i.e.*, when, where and in what order the first three or four sprinklers will operate. The RDD and ADD values are measured under an idealized condition, which assumes that a fixed number of sprinklers will operate simultaneously; however, in actual fire tests, the first few sprinklers often operate in an unpredictable sequence. Under conditions where the ADD/RDD ratio is marginal, a delay in the operation of a key sprinkler may cause a large difference in the test results. Consequently, additional ADD and large-scale fire tests of the model CPF prototype sprinkler are being conducted to generate data to be used as guidelines for development of approval and installation standards (see page 4).

A series of ten large-scale rack storage fire tests were funded jointly by the National Fire Protection Research Foundation and FMRC. The tests were designed to help determine the water demand for ESFR sprinkler systems under various operating conditions, including failure modes, *i.e.*, plugging one head, irregular flue spaces in the rack, which hinder sprinkler penetration, and decreasing water pressure. Results from this series of large-scale fire tests will be reported in the next issue of *ESFR Update*.

# 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.*

# 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:

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

## CHAIRS, SPECIAL INTEREST GROUPS:

<b>Ron Green</b>	Passive Fire Protection Group
<b>Jacqui Bensemam</b>	Contractors Group
<b>Ela Langford</b>	Evacuation Consultants Group
<b>Lance Hunt</b>	HOFFE Group
<b>Jason Godsmark</b>	Inspectorate Group

## ASSOCIATED INDUSTRY GROUP REPRESENTATIVES:

<b>Ron Green</b>	Association of Building Compliance
<b>Graeme Quensell</b>	Institute of Fire Engineers NZ Branch
<b>John Lucas</b>	Insurance Council of New Zealand
<b>David Prosser</b>	New Zealand Fire Equipment Manufacturers' Association
<b>Rob Saunders</b>	New Zealand Fire Service
<b>Claire Williams</b>	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 Bensemam Geoff Cardale Chris Mak David Percy David Prosser Joe Rose

# LISTINGS

## Current FPA 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  
Potter Interior Systems  
PSL - Phillips & Smith Ltd

South Pacific Fire Protection Ltd  
Steel & Tube Holdings Ltd  
Triangle Fire Protection Ltd  
Tyco New Zealand Ltd - Trading as -  
Tyco Fire Protection Products

### SILVER MEMBERS



Alan Wilson Insurance Brokers  
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  
Coating Technologies 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  
IANZ  
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  
Automatic Fire Sprinkler Services Ltd  
Babbage Consultants Ltd  
Ballard Consulting  
Bondor NZ Ltd  
Brooks New Zealand Limited  
BSC Fire Protection Ltd  
Building & Fire Safety Ltd  
Building & Fire Services (2008) Ltd  
Capital Fire Extinguishers Ltd  
Central Fire Design Ltd  
CLC Consulting Group Ltd  
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  
Passive Fire Installations Ltd  
QBE Insurance (International) Ltd  
Red Alert New Zealand 2012 Ltd  
Redfire Systems Ltd  
Reliance Fire Protection Limited  
Rhino Fire & Security Ltd  
Richdale Fire & Security 2012 Ltd  
RJ Nelligan & Associates Ltd  
RYANFIRE Products Ltd  
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  
Vicaluc  
Waitemata District Health Board  
Westland Fire Equipment Ltd  
Xfire Ltd t/a Crossfire  
Zone Architectural Products Ltd

### INDIVIDUAL/SUBSCRIPTION MEMBERS



Ansaar Hussain  
Bruce Brooking  
David Thompson  
Ela Langford  
Garth Edwards

Graham Ramsey  
Lusi Huang  
Mike Vincent  
Murray Crawford  
Paul Clements

Paul Walters  
Peter Matheson  
Peter Thompson  
Peter Whitehead  
Phil Bolton

Phil Williams  
Reid Watson  
Steve Larkin

# LISTINGS

## FPANZ Certified Evacuation Consultants as at October 2015

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

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

**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 October 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

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

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

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

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

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

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

**Guardian Alarms**  
73 Rugby Street, Mt Cook, Wellington  
**Auckland, Wellington & Christchurch branches**

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

**Select Alarms**  
PO Box 544, Hamilton

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

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

## FPANZ Inspection Group as at October 2015

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

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

**BUILDING AND FIRE SAFETY LTD**  
**Building and Fire Safety Limited**  
Werner Gebhardt - 0272 97 00 93  
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.

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

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

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

# LISTINGS

## Listed Sprinkler Contractors Provided by Aon as at 30 September 2015

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.....	Provisional
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
Electrotech Controls Ltd .....	Full
Emergency Management Solutions .....	Full
Emerson Fire Protection Ltd .....	Full
Elite Fire Protection Ltd.....	Full
Fire Control Services Limited .....	Full
Fire & Mechanical Contracting Ltd .....	Full
FFP Canterbury Ltd (Fire Fighting Pacific) ...	Full
FFP Nelson Marlborough Fire Ltd .....	Full
Fire Protection Engineers Limited .....	Full
Fire Protection Inspection Service Ltd.....	Full

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
Homesafe Ltd .....	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
TA Fire Subs.....	Provisional
Triangle Fire Protection Ltd.....	Full
Southgate Fire & Safety Limited .....	Full
South Pacific Fire Protection Ltd.....	Full
Sprinkler Fitout Specialist Limited .....	Full
Ultra Fire Sprinkler Systems Ltd .....	Full
Wormald (Tyco New Zealand) Ltd .....	Full
Zero Fire Limited.....	Provisional

# LISTINGS

## FPANZ Fire Extinguisher Service Agents as of October 2015

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Actron Fire Services Ltd	(09) 357 6767	actron@extra.co.nz www.actron.co.nz	National, Auckland
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argusfire.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Capital Fire Extinguishers Ltd	04 236 6400	peter.donald@capitalfire.co.nz www.capitalfire.co.nz	Greater Wellington
Chubb 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

# FIRE SAVES

## FPANZ Recorded Fire Saves for September 2015

1/08/2015	Automatic PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Carelessness with heat source - not classified above
2/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage DUNEDIN CENTRAL, DUNEDIN CITY	Structure Fire	Undetermined
3/08/2015	Sprinkler PFA Call	Educational KAWERAU, KAWERAU DISTRICT	Structure Fire	Carelessness with heat source - not classified above
4/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage NEWMARKET, AUCKLAND	Structure Fire	Operating deficiency - not classified above
5/08/2015	Sprinkler PFA Call	Health, Institutional HOON HAY, CHRISTCHURCH CITY	Structure Fire	Suspicious
5/08/2015	Automatic PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Part failure, leak or break
6/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Other electrical failure
7/08/2015	Automatic PFA Call	Residential ILAM, CHRISTCHURCH CITY	Vegetation Fire	Undetermined
8/08/2015	Automatic PFA Call	Educational OTAHUHU, AUCKLAND	Structure Fire	Carelessness with heat source - not classified above
8/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Suspicious
9/08/2015	Manual PFA Call	Health, Institutional CAMBERLEY, HASTINGS DISTRICT	Structure Fire	Unlawful
9/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANUKAU, AUCKLAND	Structure Fire	Unattended cooking
9/08/2015	Automatic PFA Call	Recreational, Assembly BALCLUTHA, CLUTHA DISTRICT	Structure Fire	Operating deficiency - not classified above
10/08/2015	Automatic PFA Call	Recreational, Assembly LEVIN, HOROWHENUA DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
10/08/2015	Manual PFA Call	Residential HAMILTON EAST, HAMILTON CITY	Structure Fire	Unattended cooking
11/08/2015	Manual PFA Call	Not Recorded THORNDON, WELLINGTON CITY	Not Recorded	Information not recorded
11/08/2015	Manual PFA Call	Not Recorded HICKS BAY, GISBORNE DISTRICT	Not Recorded	Information not recorded
13/08/2015	Other PFA Call	Transportation HINDS, ASHBURTON DISTRICT	Mobile Property Fire	Part failure, leak or break
14/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Miscellaneous Fire	Combustible placed too close to heat source
14/08/2015	Automatic PFA Call	Residential OTAHUHU, AUCKLAND	Structure Fire	Unattended cooking
15/08/2015	Manual PFA Call	Residential PETONE, LOWER HUTT CITY	Structure Fire	Unattended cooking
15/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage NORTHWOOD, CHRISTCHURCH CITY	Structure Fire	Equipment unattended
15/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage INVERCARGILL, INVERCARGILL CITY	Structure Fire	Information not recorded
17/08/2015	Automatic PFA Call	Construction, Renovation EDEN TERRACE, AUCKLAND	Mobile Properties Hazardous Incidents	Information not recorded
17/08/2015	Automatic PFA Call	Utilities, Disposal KINLEITH, SOUTH WAIKATO DISTRICT	Structure Fire	Operating deficiency - not classified above
17/08/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage MOUNT MAUNGANUI, TAURANGA CITY	Structure Fire	High temperature
18/08/2015	Automatic PFA Call	Educational PAPAMOA BEACH, TAURANGA CITY	Structure Fire	Part failure, leak or break
18/08/2015	Manual PFA Call	Residential COLLEGE ESTATE, WANGANUI DISTRICT	Structure Fire	Carelessness with heat source - not classified above



## FPANZ Recorded Fire Saves for September 2015

19/08/2015	Sprinkler PFA Call	Health, Institutional FITZROY, HAMILTON CITY	Structure Fire	Failure to clean
20/08/2015	Sprinkler PFA Call	Health, Institutional HAMILTON CENTRAL, HAMILTON CITY	Structure Fire	Heat source too close to combustibles
21/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WIRI, AUCKLAND	Structure Fire	Operating deficiency - not classified above
21/08/2015	Manual PFA Call	Residential MILFORD, AUCKLAND	Structure Fire	Unattended cooking
22/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HAWERA, SOUTH TARANAKI DISTRICT	Electrical Hazards	Information not recorded
23/08/2015	Manual PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Heat source too close to combustibles
23/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage KAIAPOI, WAIMAKARIRI DISTRICT	Electrical Hazards	Information not recorded
23/08/2015	Manual PFA Call	Educational PEGASUS, WAIMAKARIRI DISTRICT	Structure Fire	Unattended cooking
24/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage HAMILTON CENTRAL, HAMILTON CITY	Structure Fire	Undetermined
24/08/2015	Other PFA Call	Not Recorded SEDDON, MARLBOROUGH DISTRICT	Structure Fire	Information not recorded
24/08/2015	Manual PFA Call	Residential TE ANAU, SOUTHLAND DISTRICT	Structure Fire	Spontaneous ignition
25/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HORNBY, CHRISTCHURCH CITY	Structure Fire	Other electrical failure
26/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage RICCARTON, CHRISTCHURCH CITY	Structure Fire	Heat source too close to combustibles
27/08/2015	Manual PFA Call	Not Recorded EDENDALE, SOUTHLAND DISTRICT	Structure Fire	Information not recorded
27/08/2015	Manual PFA Call	Health, Institutional SOUTH DUNEDIN, DUNEDIN CITY	Structure Fire	Part failure, leak or break
27/08/2015	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Combustible placed too close to heat source
28/08/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage HEI HEI, CHRISTCHURCH CITY	Chemical, Biohazard, Radioactive Incident	Information not recorded
28/08/2015	Manual PFA Call	Not Recorded TRENTHAM, UPPER HUTT CITY	Structure Fire	Information not recorded
28/08/2015	Manual PFA Call	Educational GREERTON, TAURANGA CITY	Electrical Hazards	Information not recorded
28/08/2015	Manual PFA Call	Not Recorded TAKAPUNA, AUCKLAND	Not Recorded	Information not recorded
30/08/2015	Sprinkler PFA Call	Residential AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault
30/08/2015	Manual PFA Call	Communications, Research AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault
30/08/2015	Manual PFA Call	Not Recorded NEWTOWN, WELLINGTON CITY	Miscellaneous Fire	Information not recorded
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANGERE BRIDGE, AUCKLAND	Structure Fire	Operating deficiency - not classified above
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HENDERSON, AUCKLAND	Structure Fire	Unattended cooking
31/08/2015	Automatic PFA Call	Not Recorded MOUNT ALBERT, AUCKLAND	Structure Fire	Information not recorded
31/08/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Short circuit, earth fault



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
1/2 Page.....	\$900.00	\$845.00/issue	\$810.00/issue	12.5cm x 18cm
1/3 Page.....	\$750.00	\$705.00/issue	\$675.00/issue	8.4cm x 18cm
1/4 Page.....	\$600.00	\$560.00/issue	\$540.00/issue	6.3cm x 18cm
1/8 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			25cm x 18cm
Full Page.....	\$500 per month	3 months total \$1500	12.5cm x 18cm
1/2 Page.....	\$250 per month	3 months total \$750	

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

**Fire Protection Association New Zealand**  
Private Box 302-372, North Harbour, Auckland  
Ph: (09) 414 4450 | Fax: (09) 414 5707  
Email: [fpanz@fireprotection.org.nz](mailto:fpanz@fireprotection.org.nz) | [www.fireprotection.org.nz](http://www.fireprotection.org.nz)



© Fire Protection Association (New Zealand) Inc. 2012. All rights reserved.

This Newsletter and its contents may not be copied or re-distributed without the written permission of the Fire Protection Association (New Zealand) Inc. The Fire Protection Association (New Zealand) Inc does not warrant, either expressly or by implication, the accuracy or currency of any information or data contained in this Newsletter. The Fire Protection Association (New Zealand) Inc.