



## Commentary

### Training

We are pleased to advise the next seminar series of training workshops being held in conjunction with Viking NZ and AON.

These events are scheduled to take place in May 4th to 8th and will be held throughout the main centres as a full day programs.

Further event details are enclosed in the newsletter.

### Special Interest Groups

The Special Interest Groups have met and defined their 2 goals to achieve this year. It is important to note that SIGs need leadership and commitment to achieve plans and cannot do it in isolation. We have a great team of people who are helping us achieve a variety of initiatives so if you have a desire to become involved then contact the FPANZ office or the respective SIG Group Chairs.

### Fire Australia, March 2015

In case you weren't aware, FPA Australia's *Fire Australia* Conference and Exhibition is being held on the Gold Coast, Queensland on March 25 and 26.

We have recently had a few enquiries from FPANZ members regarding their eligibility for the discounted member registration rate to this industry event. FPA Australia have kindly agreed to apply a membership discount – so to ensure this is applied correctly when completing the registration form, please write "FPANZ Member" on the form so the appropriate discount is applied.

### Our Survey is now online

It is a timely position, as we all know that MBIE are reviewing the acceptable solutions and compliance process through a variety of stakeholder forums. What is also apparent is a lack of input from the wider FPANZ member base, as a majority of the respondents were fire engineers or consultants. In order to provide a balanced approach, FPANZ have met with the review panel and provided further submissions on key issues faced by industry.

We have committed with MBIE to a further FPANZ survey which is now available on our website at [www.fpanz.co.nz](http://www.fpanz.co.nz) to enable you as our members the ability to provide further input into what you see are the KEY issues that need review.

### Membership

Thanks to those of you that have now completed your membership renewal process for the 2014/2015 financial year. If you have any questions about renewing your membership under the new structure, please feel free to contact one of the team on 09 414 4450. Renewals of the 2015/2016 subscriptions will commence in May 2015 with invoicing being completed in June to members.

### Marketing Brochure

We have completed the first of a series launching a new marketing brochure to raise the profile of the association's members in the wider marketplace and community. The brochure promotes the values of the FPA and benefits of people choosing FPA members over those who are not. The flyer is available to go in with your quotes to help create a point of difference when quoting against non-members and is available from the FPANZ website. The next flyer will be focussed on HOFFE.

### FPANZ Listings

The association also publishes a number of listings pages in our newsletter and on our website, these include the following:

- FPANZ Certified Evacuation consultants
- FPANZ Certified Fire Alarm Contractors
- FPANZ Fire Extinguisher Service Agents; and
- AON Listed Sprinkler Contractors.

With the recent membership renewal process, all details have been checked as we have received the membership application forms back. Please take the time to double-check your details in the listings and contact us if we need to correct anything to do with these listings. As a side note, the AON Listed Sprinkler Contractors list is provided to us and published on behalf of AON.

We will be adding to these listings to also provide details of FPANZ passive installers and suppliers as well a list of

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# Commentary *(continued)*

FPANZ Inspection providers as part of our drive to lift industry standards and identifying gaps in supporting our membership base. We at FPANZ receive lots of requests for recognised industry suppliers, and this is a great mechanism to promote a professional ethical membership base.

## Industry Outlook

We look forward to working with all of our existing members and cementing relationships with new members and agencies over the coming year. The Fire Industry has over 500 individual companies that operate in the market and employ over 3700 staff. We are a significant contributor to the economy and play a vital part protecting billions of dollars of property and millions of people.

This recently was highlighted yet again in the proceedings and prosecution with the KIWI SELF STORAGE fire in Kilbirnie with a combined loss of over 9 million dollars and over 300 people directly affected by the event. As an Industry Association we have a direct focus to educate and advise on the benefits of fire protection and will continue to pursue this vision.

As the industry is in a growth cycle, it is very apparent we are limited by human resources at all levels. The focus for us in the Association is to help promote shortages in the workforce skill base and provide evidence to government agencies on why we need to attract labour from overseas markets or other related industries. The strategy that most employers face is to see their staff or subcontractors being approached to join other organisations based on a better pay packet and conditions which is clearly not a long term sustainable model.

I have included some industry statistics that in this newsletter that clearly show the lack of investment in human capital over the last 3-4 years is now creating an environment where employers are behaving unethically in attracting resource to help meet the growth in their workloads.

### My message is simple.

“Attract new people to the industry and train them to succeed”

Enjoy the read, and keep safe.

Keith Blind, Executive Director, FPANZ



Fire Protection Association New Zealand

**NEWSLETTER**

**Advertising Rates 2014-15**

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 18cm

## SPECIAL OFFER!!!

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

SPECIAL FPANZ MEMBER RATE:	Casual	3 Issues	Dimensions (H x W)
Full Page.....	\$500 per month	3 months total \$1500	25cm x 18cm
1/2 Page.....	\$250 per month	3 months total \$750	12.5cm x 18cm

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

### FPANZ Passive Group Update

Author **Ron Green** – Passive Group Chair

We had a well attended meeting in February and again thanks to those who take their valuable time to input into their industry and make a difference. Being part of an Association is really important, as Associations have more persuasion and negotiation power than individuals. If part or all of your business is to do with Passive Fire Protection and currently you don't attend FPA Passive meetings, then please come along and participate and make a difference.

As a Sig Group of FPA we are required to have two goals for the year. The goals agreed at our last Sig Group meeting were:

#### 1. Practical Passive Training

It was agreed that hands-on training is a high priority for FPA Members so we will be working on how best to undertake this. The aim will be to provide fire stopping systems that have been tested or approved to NZ Building Code requirements for penetrations of Sprinkler Pipes, Fire Alarm Cables and Conduits. There will also be a chance for various attendees to install these systems into plasterboard walls. We will also cover 'what if' scenarios and how to avoid getting it wrong! This will be an event that is designed for technicians and supervisors as they are at the 'cold face'. We will keep you informed of when and where this will take place.

#### 2. Code of Practice

FPA Passive Sig Group commenced drafting a Code of Practice last year with five dedicated people giving up their

valuable time to draft a document that would be for the use of the industry. BRANZ will now be spearheading the project commencing April this year with the assistance of the FPA and other parties. A conference call was held recently with BRANZ and other parties to briefly discuss the project. This is a large project and the FPA SIG Group are committed to make this happen although it won't be finished this calendar year however a significant amount of work will be undertaken by Christmas. It is anticipated at this stage the document will be completed in 2016 and a roadshow be undertaken by BRANZ and others to educate all interested parties.

Last year in two newsletters we had a few questions with ZERO response which was disappointing and sad as we know Passive is a large issue in NZ and most contractors will be affected.

This year I want you to ask the questions and we will answer your questions. Its called the 'Dear Ron Spot' – if you wish, we won't advertise the company or name so you can relax! All questions will go into a draw for a free two-hour training session at your premises on Passive by Ron Green. For those outside Auckland I will either provide the training if I am in your area in the next six months or will provide two hours worth of passive technical advice. What have you got to lose?

For questions received, I will select some and issue them in the newsletter with the answers. Looking forward to your questions!

### HOFFE Survey Project

The Fire Service is still undertaking the Hand Operating Fire Fighting Equipment (HOFFE) survey project.

Currently data is being collected on the use and effectiveness of portable extinguishers through two surveys, for which the NZFS would like to ask your cooperation.

More information on the project and a link to both surveys can be found on: <http://www.fire.org.nz/Fire-Safety/Safety-Devices/Pages/HOFFE-project-survey.html>  CLICK TO OPEN LINK

As indicated in previous newsletters, the survey has been up and running for a few months now, and it is obvious that many service agents have simply adopted the survey form as part of their day to day operations. Especially into the new year the participation in the survey has significantly increased.

However, in order to achieve the 500 survey goal the uptake must at least remain constant and preferably increase over the coming months.

**Thank you for your continued support and for the ones not involved yet, please get in behind the industry and lend your support to this important project.**



## Inspectorates Special Interest Group Update

Author **Jason Godsmark** - Inspectorates SIG Group Chair

Last month, Keith kindly volunteered me to prepare a short presentation to be given at the FPA members meeting. The theme was *"Completing Work ready for Inspection, The Key Issues for Fire Protection Contractors Around Gaining Compliance"*. My investigations found the problems could be broken down into the following three areas:

- Paperwork;
- Quality Assurance; and
- Time.

While some of the specifics for Fire Alarm and Fire Sprinkler inspections may differ the problems found apply equally to both.

### Paperwork

Without the correct paperwork, it is difficult for Inspectors to do their jobs correctly and then provide the correct certificates and letters to allow signoff and compliance of the fire systems. Some of the common paperwork items that will hold up final signoff are:

- Fire reports/specifications
- Drawings
- Consent details
- Connection letters
- Correctly filled out SSC applications Forms 1, 5, storage declarations
- Battery calculations
- Commissioning results
- AA Panel configs
- Order numbers.

We all know that the paperwork war is getting bigger by the day – but the earlier you can get it in, the quicker you will get your paperwork back at the end of the job.

### Quality Assurance

**Inspectors are NOT a substitute for good QA.**

99% of all the problems inspectors find on sites should be found and rectified before they get there if there is a robust QA system in place. Installation companies need to work harder on quality checks throughout the installation process – this will lead to fewer last-minute faults being found, and a much smoother transition at the end of a job.

If you are unsure about a particular part of your design, or have a tricky situation that may have an unclear interpretation with the relevant code ASK, it is far better ask a question early in the project about that slightly tricky piece, than it is to get to the end and discover you got it wrong and the inspector won't sign it off.

### Time

The biggest issue for getting systems signed off is time. If all of the above is left to the last minute, then it is nearly impossible to get the signoff done in a timely manner. Plan your inspections, get the paperwork in as soon as you can. If you have a fixed date for completion, give your inspector some warning so they can pencil it in and prepare documentation if needed.

### From the SSC Regarding Timing and Paperwork

We realise that sometimes jobs for one reason or another mean that documentation won't come through until the last minute. This should be the exception, not the rule. All efforts will be made to help get projects across the line when this happens, however if a trend starts to form with people/companies, they may find that we are less likely to put aside other work to help.



## Evacuation Consultants Group Update

Authors **Jenny Maxwell and Ela Langford** - EVAC Group Chairs

We have moved into 2015 and trust your year began well for you.

More changes are afoot, and as previously noted, a review by MBIE in conjunction with FPANZ is underway, reviewing the acceptable solutions and compliance processes. As a Special Interest Group we have been invited to comment on this process via the online survey provided by FPANZ. The survey aims to allow wider industry input into what other stakeholders see as the key issues that need to be considered for review. We anticipate primarily changes within the legislative requirements and the Fire Service hands on approach to compliance. From the chairs we like to extend an invitation to all our fellow evacuation consultant to take up the opportunity to voice your concern, and partake in the online survey before the closing date of the 31st of March 2015.

As chairs we feel this is a wonderful opportunity and not to be missed, to get actively involved in helping to shaping the future. So everyone, your views are now integral to this process please take the time and go to the FPANZ website online:

<http://www.fireprotection.org.nz/memberships/survey>  [CLICK TO OPEN LINK](#)

Whilst you are on the FPANZ site explore the news events and seminars section, make a note in your diary of upcoming meetings and events and be part of the industry community. We can ensure success as a SIG group by hearing each others concerns and ideas, working together and create greater communication and collaboration across our wider industry sector.

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

## Fire Detection - what was, and what could have been.

Author **Todd O'Donoghue** - NZFS

Just before midnight on 4 March a private fire alarm call was received to a coolstore just out of Te Puke. As appliances responded they also started to receive 111 calls confirming a fire in the coolstore. Several hours later this large fire was extinguished.

While the owners of the coolstore expressed gratitude to the fire service for quick and responsive action that averted a far bigger disaster, it should be recognized that a fire alarm system played an important part in ensuring the fire service were alerted of this incident as early as possible.

Read more about the fire here:  [CLICK TO OPEN LINK](#)

This fire came only a week after the Assistant Area manager for the fire service had expressed concerns regarding the lack of water supplies at coolstores in the area (read more here): 

While a good water supply is crucial for fire service operations, a number of other aspects are also important for the management of the fire risk in these types of facilities. These include effective fire detection/suppression systems and the appropriate separation of buildings and plant rooms on sites.

The Insulated Panel Council Australasia Ltd have published a Code of Practice relating to these types of buildings, which can be read here: 

A month earlier on Waitangi day, a fire in another commercial building in Tauranga caused \$2 million dollars worth of damage. Read about the fire here and watch CCTV footage of the fire starting: 

The call to this fire was received by the 111 phone system, looking at the CCTV footage imagine how some form of smoke detection in this building may have helped with an earlier call to the fire and therefore more property being saved.

We must take every opportunity to continue to turn loss into learning to help show the value of fire protection systems in buildings.



Fire begins at the Oakeside coolstore in Rangiuuru Rd, near Te Puke. Photo/Greer Herbert, NZ Herald



Fire takes over the coolstore. Photos/Greer Herbert, NZ Herald



Firefighters at the Seeka coolstore. Photo/John Borren, NZ Herald

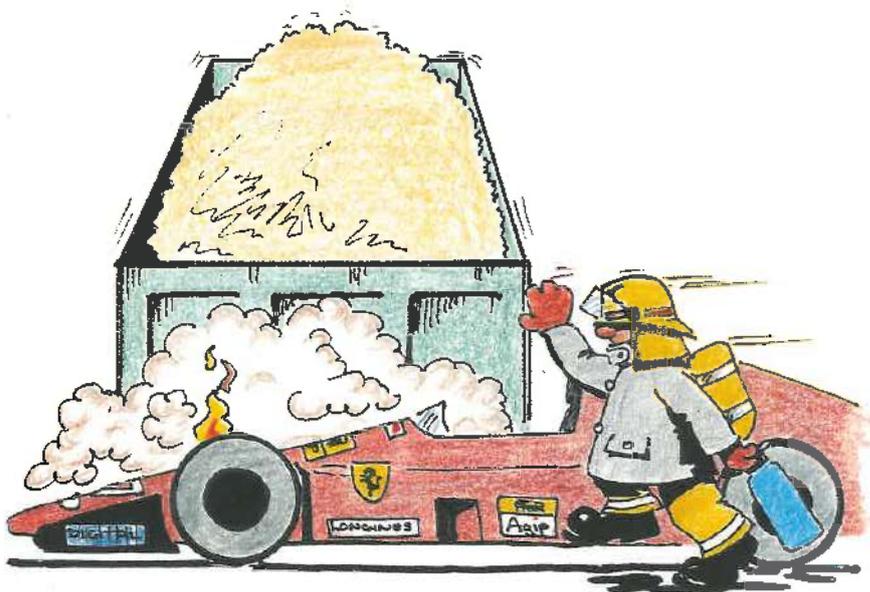


Fire takes over the coolstore. Photos/Greer Herbert, NZ Herald

# FPANZ EVENT SCHEDULE 2015

## Event Schedule March - July 2015

16th March 2015	<b>Passive Fire Protection CPD Roadshow</b>	Wellington
17th March 2015	<b>Passive Fire Protection CPD Roadshow</b>	Christchurch
18th March 2015	<b>Passive Fire Protection CPD Roadshow</b>	Dunedin
19th March 2015	<b>Passive Fire Protection CPD Roadshow</b>	Queenstown
26th - 27th March 2015	<b>FPA Australia Conference</b>	Gold Coast, Australia
19th - 22nd April 2015	<b>BOINZ - Akl Conference</b>	Auckland
20th April 2015	<b>HOFFE Group SIG Meeting</b>	Auckland
21st April 2015	<b>Passive Group SIG Meeting</b>	Auckland
22nd April 2015	<b>Evac Group SIG Meeting</b>	Auckland
23rd April 2015	<b>Inspection Group SIG Meeting</b>	Auckland
24th April 2015	<b>Northern Region Contractors SIG Meeting</b>	Auckland
4th - 8th May 2015	<b>Seminar Series: Innovate your Business</b>	Nationwide
14th May 2015	<b>National Council FPANZ Board Members Meeting</b>	Christchurch
8th - 12th June 2015	<b>Seminar Series Training: TBA</b>	Auckland
15th June 2015	<b>HOFFE Group SIG Meeting</b>	Auckland
16th June 2015	<b>Passive Group SIG Meeting</b>	Auckland
17th June 2015	<b>Evac Group SIG Meeting</b>	Auckland
18th June 2015	<b>Inspection Group SIG Meeting</b>	Auckland
19th June 2015	<b>Northern Region Contractors SIG Meeting</b>	Auckland
16th July 2015	<b>National Council FPANZ Board Members Meeting</b>	Auckland
20th - 24th July 2015	<b>Seminar Series Training: TBA</b>	TBA



# Free Passive Fire Protection CPD Roadshow!



In February, Productspec + Smartspec along with GIB, Hilti, and Dulux plus the help of FPANZ and the NZ Fire Service held the Passive Fire Protection Roadshow in Auckland, Hamilton and Tauranga. This March, they are taking it to Wellington, Christchurch, Dunedin and Queenstown!

Architects, Designers, Engineers, Contractors, and other industry professionals are invited to join us to learn about the the design and construction of fire walls (GIB® systems), penetrating fire walls (Hilti Systems), and understanding surface finish properties (Dulux Systems).

At the completion of the session you're welcome to enjoy our hospitality and network with the NZ Fire Department Fire Engineers, attendees, and material suppliers.

This session qualifies you for 25 NZRAB, 5 ADNZ, and 2.5 LBP CPD points.

Click on your preferred location below to register:

*Remaining Events: Click to register*

WELLINGTON / Wharewaka  
Monday 16 March / 3:00 - 5:30pm

CHRISTCHURCH / Hagley Pavilion  
Tuesday 17 March / 3:00 - 5:30pm

DUNEDIN / Dunedin Art Gallery  
Wednesday 18 Mar / 3:00 - 5:30pm

QUEENSTOWN / Lake Hayes Pavilion  
Thursday 19 Mar / 3:00 - 5:30pm



**PRODUCTSPEC**  
**SMARTSPEC**

**HILTI**

**Dulux**

**GIB**



**FPA**  
NEW ZEALAND

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

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

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

**CREDITS:** 124

**DURATION:** 24 MONTHS

**Who this Qualification is Intended for:**

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

**Skills & Knowledge Gained:**

Graduates will gain skills and knowledge in these areas:

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

**Working Towards this Qualification**

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

**A Pathway to Learning**

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

Graduates can continue to the:

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

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

**More Information**

**John Stevenson**

Competenz Account Manager, Fire Protection

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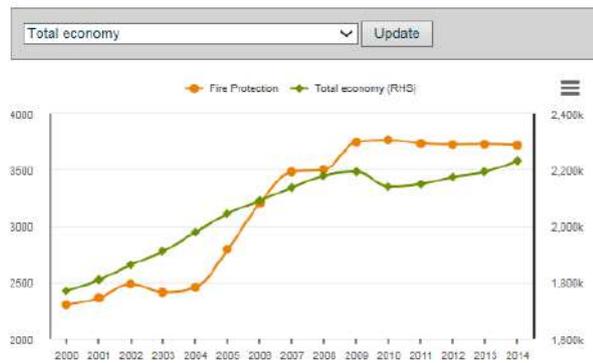




### Growth in employment



### Number employed



### Growth in Employment

Total economy

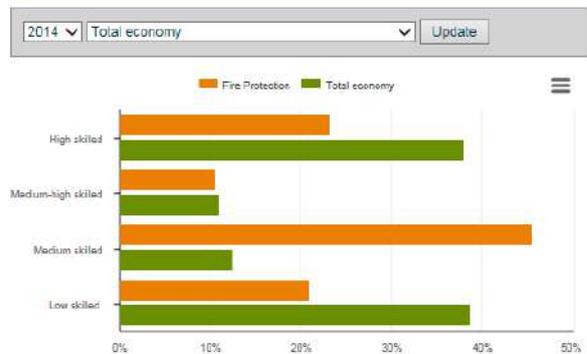
Year	Fire Protection		Total economy	
	Employment	Change	Employment	Change
2000	2,200		1,757,006	
2001	2,358	2.5%	1,807,774	2.3%
2002	2,482	5.3%	1,861,586	3.0%
2003	2,408	-3.0%	1,909,836	2.6%
2004	2,453	1.9%	1,976,548	3.5%
2005	2,791	13.8%	2,042,983	3.4%
2006	3,202	14.7%	2,089,173	2.3%
2007	3,478	8.6%	2,135,307	2.2%
2008	3,499	0.6%	2,178,073	2.0%
2009	3,742	6.9%	2,191,504	0.6%
2010	3,760	0.5%	2,138,710	-2.4%
2011	3,731	-0.8%	2,147,862	0.4%
2012	3,721	-0.3%	2,172,845	1.2%
2013	3,724	0.1%	2,192,036	0.9%
2014	3,715	-0.2%	2,229,579	1.7%

### Employment by skill level (2014)

2014

Skill level	Fire Protection		Total economy	
	Jobs	% of total	Jobs	% of total
High skilled	800	23.1%	845,120	37.9%
Medium-high skilled	390	10.5%	243,212	10.9%
Medium skilled	1,687	45.4%	270,414	12.5%
Low skilled	778	20.9%	861,930	38.7%
Total	3,715	100%	2,229,579	100%

### Employment by skill level 2014



### Employment by 1-digit occupation (2014)

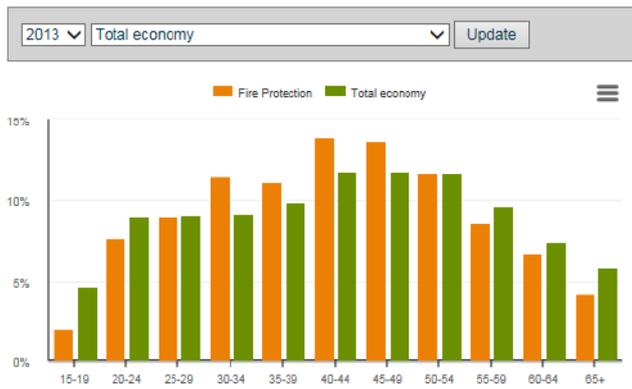
2014

Occupation	Fire Protection		Total economy	
	Employment	% of total	Employment	% of total
Technicians and trades workers	1,678	45.2%	264,554	11.9%
Managers	679	18.3%	414,742	18.6%
Clerical and administrative workers	474	12.8%	267,807	12.0%
Community and personal service workers	408	11.0%	200,945	9.0%
Professionals	240	6.5%	316,039	14.2%
Sales workers	135	3.6%	105,640	4.7%
Labourers	61	1.7%	299,027	13.4%
Machinery operators and drivers	20	0.5%	126,306	5.6%
Total employment	3,715	100%	2,229,679	100%

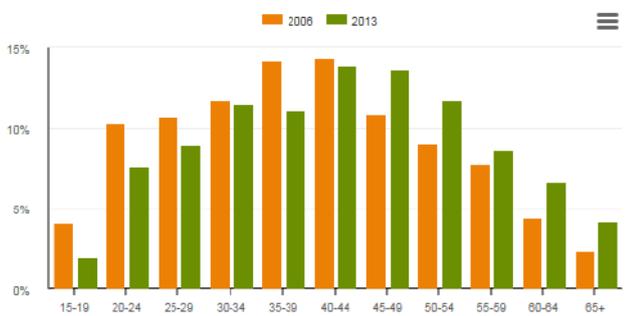
### Employment by broad occupation 2014



### Employment by Age 2013



### Employment by Age, 2006-2013



Total Competenz Update

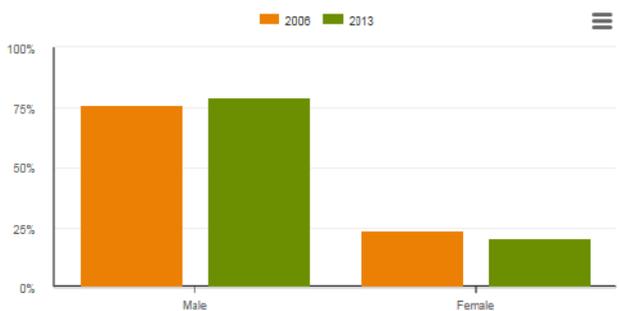
Age	Fire Protection		% of total		Total economy	
	2008	2013	2008	2013	2008	2013
15-19 Years	133	76	4.1%	2.0%	6.9%	4.7%
20-24 Years	329	284	10.2%	7.5%	9.2%	9.0%
25-29 Years	342	334	10.7%	9.0%	9.1%	9.1%
30-34 Years	376	430	11.7%	11.5%	10.6%	9.2%
35-39 Years	454	412	14.2%	11.1%	11.7%	9.9%
40-44 Years	462	517	14.4%	13.9%	12.7%	11.8%
45-49 Years	349	509	10.9%	13.7%	12.2%	11.8%
50-54 Years	293	436	9.1%	11.7%	10.3%	11.7%
55-59 Years	248	319	7.6%	8.6%	8.8%	9.6%
60-64 Years	141	251	4.4%	6.7%	5.3%	7.4%
65 years and Over	75	157	2.4%	4.2%	3.3%	5.8%
<b>Total</b>	<b>3,202</b>	<b>3,724</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Average age	40.1	43.1			40.9	43.0

Download table data

### Employment by Gender 2013



### Employment by Gender, 2006-2013



### Employment by Gender

Total economy Update

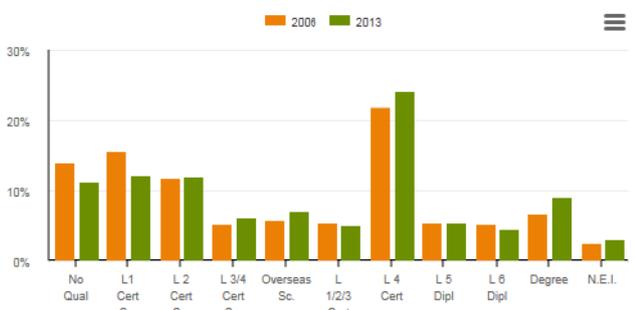
Gender	Fire Protection		% of total		Total economy	
	2008	2013	2008	2013	2008	2013
Male	2,443	2,957	76.3%	79.4%	53.0%	52.5%
Female	758	767	23.7%	20.6%	47.0%	47.5%
<b>Total</b>	<b>3,202</b>	<b>3,724</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Download table data

### Employment by Highest Qualification 2013



### Employment by Highest Qualification, 2006-2013



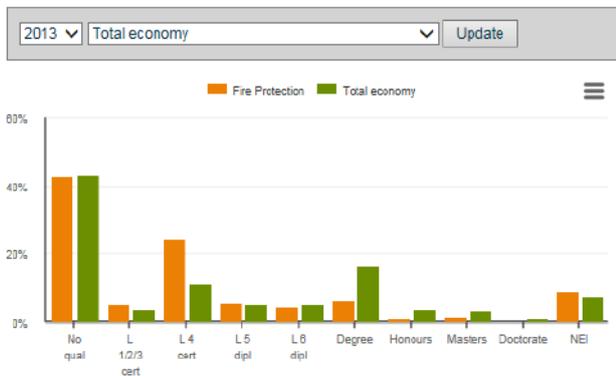
### Employment by Highest Qualification

Total economy Update

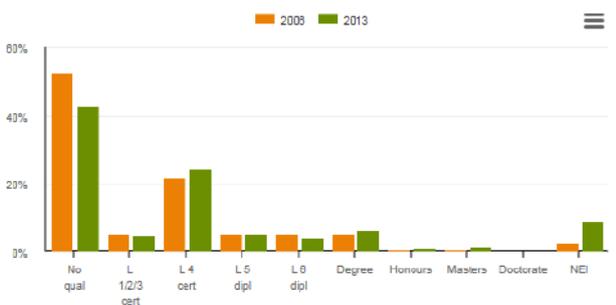
Highest Qualification	Fire Protection		Total economy			
	Employment	% of total	Employment	% of total		
No Qualification	452	423	14.1%	11.4%	17.8%	13.6%
Level 1 Certificate Gained at School	500	455	15.6%	12.2%	13.4%	11.6%
Level 2 Certificate Gained at School	380	447	11.9%	12.0%	9.9%	10.1%
Level 3 or 4 Certificate Gained at School	168	231	5.2%	6.2%	5.7%	7.1%
Overseas Secondary School Qualification	183	264	5.7%	7.1%	4.6%	5.5%
Level 1, 2 or 3 Certificate Gained Post-school	174	188	5.4%	5.1%	4.7%	3.5%
Level 4 Certificate Gained Post-school	701	904	21.9%	24.3%	11.5%	11.2%
Level 5 Diploma	170	198	5.3%	5.3%	4.5%	5.0%
Level 6 Diploma	167	166	5.2%	4.5%	5.8%	5.1%
Bachelor Degree or Higher	222	339	6.9%	9.1%	19.1%	24.4%
Not Elsewhere Included	79	114	2.5%	3.1%	3.1%	2.9%
<b>Total</b>	<b>3,202</b>	<b>3,724</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Download table data

### Employment by Highest post-school qualification 2013



### Employment by Highest post-school qualification, 2006-2013



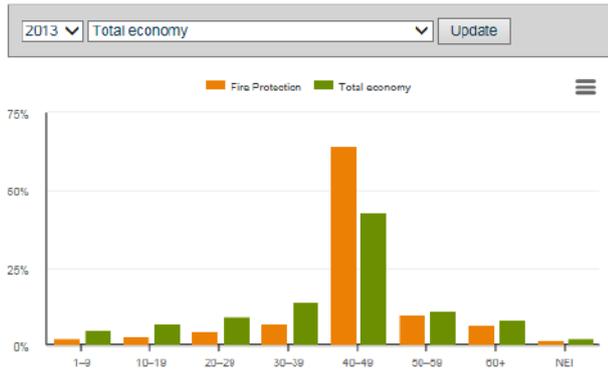
### Employment by Highest post-school qualification

Total economy Update

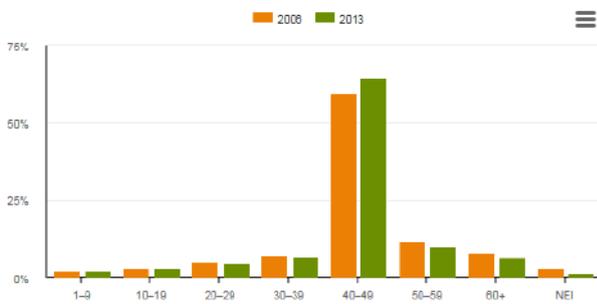
Highest post-school qualification	Fire Protection		Total economy			
	Employment	% of total	Employment	% of total		
No Post-school Qualification	1,679	1,596	52.4%	42.9%	51.3%	43.1%
Level 1, 2 or 3 Certificate	177	185	5.5%	5.0%	4.7%	3.5%
Level 4 Certificate	704	905	22.0%	24.3%	11.5%	11.2%
Level 5 Diploma	170	198	5.3%	5.3%	4.5%	5.0%
Level 6 Diploma	170	163	5.3%	4.4%	5.8%	5.1%
Bachelor Degree and Level 7 Qualification	173	242	5.4%	6.5%	13.3%	16.4%
Post-graduate and Honours Degrees	19	40	0.6%	1.1%	2.4%	3.6%
Masters Degree	26	52	0.8%	1.4%	2.5%	3.3%
Doctorate Degree	5	5	0.2%	0.1%	0.8%	1.0%
Not Elsewhere included	79	337	2.5%	9.0%	3.1%	7.7%
<b>Total</b>	<b>3,202</b>	<b>3,724</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Download table data

### Employment by Hours worked 2013



### Employment by Hours worked, 2006-2013



### Employment by Hours worked

Total economy Update

Hours worked	Fire Protection		Total economy	
	Employment	% of total	Employment	% of total
1-9 Hours Worked	76	2.4%	90	4.5%
10-19 Hours Worked	95	3.0%	111	7.1%
20-29 Hours Worked	158	4.9%	178	9.2%
30-39 Hours Worked	235	7.3%	257	14.6%
40-49 Hours Worked	1,903	59.4%	2,410	64.7%
50-59 Hours Worked	376	11.7%	376	11.2%
60 Hours or More Worked	259	8.1%	247	8.2%
Not Elsewhere Included	100	3.1%	54	2.3%
<b>Total</b>	<b>3,202</b>	<b>100%</b>	<b>3,724</b>	<b>100%</b>

Download table data

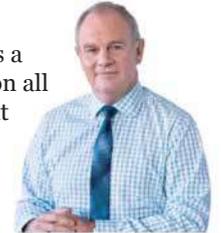


## SAFETY SPOTLIGHT

- Key Charter performance people don't forget – **signatories need to complete the Charter Assessment Tool by 28 February.**  
Access the online tool here 
- **Occupational health nurses will be out on rebuild sites in March** offering free health checks, education about occupational health risks in construction and also providing food, drink bottles and giveaways. If you'd like to book your site in now, contact donna.burt@worksafe.govt.nz
- **Do you work with contractors and subbies that are not Charter members?** Why not encourage them to sign up? Get them to email us at info@safetycharter.org.nz
- **Need to order more Charter material for your sites, offices and vehicles?** Contact us at info@safetycharter.org.nz for an order form and don't forget you can have the signed Charter banner on display at your site or office.

## Graham's View

The Steering and Working Groups for the Canterbury Rebuild Safety Charter have now finalised a work plan for 2015 which has a significant amount of activity to help improve health and safety on all our sites across the rebuild. We'll be sharing some of this detail at our next meeting on 12 March.



With this increase in activity, the Steering Group met in December 2014 and agreed to implement a membership funding scheme for the Charter.

Up until now the Charter costs have been largely funded by WorkSafe New Zealand and ACC. Both agencies have agreed to continue funding some of the larger projects listed in the 2015 plan which is excellent news. However for us to be able to achieve our programme annual contributions will now be required from all signatories – with contributions based on the size of the business, as detailed below:

Full time employee count	0	1-5	6-9	10-19	20-49	50-99	100+
Suggested amount per signatory	\$50	\$100	\$250	\$500	\$1,000	\$1,500	\$3,000

Endorsees will be able to make a contribution as 'sponsors'.

Industry funding will allow the Charter to continue providing leadership and resources to grow H & S capability. We have committed to a very comprehensive work programme for 2015 and I hope, like me, you will see significant value from your membership of the Charter. We expect to issue invoices by June for the 1 July 2015 financial year.

One of the tangible benefits of Charter membership is the assessment tool. This online resource allows signatories to measure their performance against the 10 commitments. It also gives Charter members a big picture view of H&S in the rebuild and helps determine where we should be focusing training and resources to help fill gaps and raise standards.

All signatories have been asked to complete the assessment tool by 28 Feb – Visit the website to access the online tool. If you are not signed up to the tool, contact your Key Charter Person. If you are unsure who that is contact us at info@safetycharter.org.nz and we will let you know.

**Graham Darlow**  
Charter Steering Group Chair

## Critical Risk Campaign – Phase Two

Our feedback on the critical risk campaign, which included the posters in Hirepool portaloo's, has shown strong support for it to continue to phase two. As a result we're delighted to release the next four posters and toolbox talks in the series.

From next month the campaign will now focus on critical risks associated with working in confined spaces, hot works, workplace violence and electricity. You can download the posters and toolbox talks here.

Posters will be put up in Hirepool portaloo's (thanks again for their support!) and site managers and H&S reps are encouraged to support the poster's visual message with the accompanying toolbox talk. By layering and reinforcing messages, we will be helping to create behavior change on site.

We'd love to hear what you think and how you're using the posters and toolbox talks. Email us at info@safetycharter.org.nz

## CHARTER NEWS





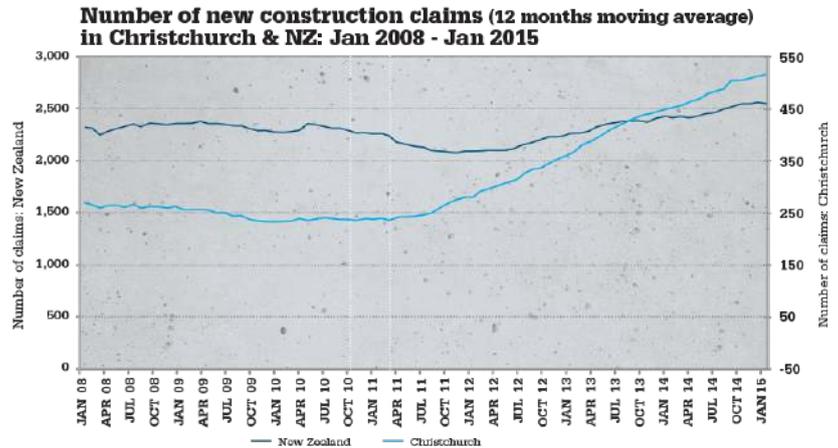
## ACC Data Update

New construction-related claims in Canterbury showed a slight increase for January (516 received compared with 504 in November 2014\*). Those claims that become entitlement claims – that is where a person requires more than 5 days off work – increased slightly from those recorded in November (70 for November; 73 in January). The average cost of claims in the first 12 months post-injury remained steady at \$1996.

Earthmoving and machinery operators recorded the largest increase in claims by occupation – up 35.8% over the past 12 months.

The residential building sector continues to dominate claims, recording almost 160 claims in January. Labour supply services (on hire industry) showed a leveling off for claims in January – the first time the industry has not recorded an increase since around October 2013.

\*ACC does not produce a Data Dashboard for December, so January claims are compared to those recorded in November 2014.



## YOUR STORY

### Making Light Work of the Assessment Tool

**It's not often you get the chance to take a long hard look at your business – and even less likely you'd do it through a H & S lens. But Corbel Construction has managed to combine their annual planning processes with a look at how they integrate H & S into the way they do business.**

“I consider H & S as one of the key reasons why our business is successful,” says Corbel’s Business Excellence Manager, Kristina Wischnowsky. “This year, we decided to embed our Charter commitments into our business planning process and the result is a very clear direction on where we need to focus our H & S efforts.”

Using the assessment tool, Corbel project managers, quantity surveyors and senior managers reviewed their current performance against the 10 commitments and then used the results to determine the specific areas where they needed to focus to improve.

The Corbel team also made use of the comprehensive guide that supports the tool, and helps signatories provide more accurate information.

“The assessment tool and the guide are a great way to see where you are, in terms of your H & S, but its real value lies in its ability to help your business focus on any gaps or areas that need improvement. We now have a clear understanding of where we need to focus our H & S investment to ensure we sustain and grow the success of our business.”

“The guys loved it so much that they are looking at pilfering the levels from the guide (Beginning, Developing, Meeting and Leading) for the development of the organisation’s leadership development. There is no higher form of support than stealing!”

Charter signatories have been asked to complete their self-assessment by 28 February. Visit the website to access the online tool. If you are not signed up to the tool, contact your Key Charter Person. If you are unsure who that is contact us at [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz) and we will let you know.



Kristina (centre) working with the Corbel team to develop business safety goals using the Charter assessment tool.



## Employee Engagement with the Charter

One of the Charter's 10 commitments is to ensure businesses have systems in place to encourage and support worker engagement in health and safety.

At its December 2014 meeting, the Charter Steering Group agreed to appoint a 'Charter Project Officer', whose role will be to support worker understanding of the Charter and participation in H & S. This role will also complement the work of Charter senior leaders in raising the profile of the Charter and H & S.

As well as visiting construction sites to discuss and raise awareness of the Charter, the Charter Project Officer will encourage workers to participate in a survey to gauge employee participation in H & S, involvement by health and safety representatives on site and worker views on general site health and safety.

The Charter Project Officer role will be contracted to the Council of Trade Unions and will be based at Safe Rebuild Canterbury's offices. We hope to recruit the Charter Officer in April.

## COMING UP

### Safety Charter quarterly event – 2015 in the rebuild, where we're heading

Fletcher Construction is pleased to invite you to the first Safety Charter event for 2015 to hear from CERA on the state of the rebuild to date, and what progress we can expect to see in 2015.

We'll also hear from Cos Bruyn, General Manager NZ for Downer, and a member of the Business Leaders' Health and Safety Forum, on safety culture and what it means to lead H&S change from the top.

Another 15 signatories will also officially sign the Charter.

Where: The Show Gate, Riccarton Raceway, 165 Racecourse Road, Christchurch

When: Thursday, 12 March 2015

RSVP: to [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz) by 4 March 2015 to confirm your attendance

12  
MAR

4.30pm – 6.30pm



### WorkSafe New Zealand trade breakfast – Occupational health and dust in construction

Details and invites to come shortly.

Where: Rydges Latimer, Christchurch

When: Thursday, 26 March 2015

RSVP: to [liz.richardson@worksafe.govt.nz](mailto:liz.richardson@worksafe.govt.nz) by 18 March 2015

26  
MAR

7.00 – 9.00am

## JOIN THE SAFETY CHARTER.

**We are asking FPANZ members to help us continue to build on the number of signatories committed to the Charter.**

At 1 February 2015 there were over 180 signatories and endorsees to the Charter, significant growth since July 2013 when the Charter was launched with 51.

However we still have a large group of organisations to reach, many of them contractors or smaller operators within the rebuild community and in construction and related industries.

To help us grow membership to more than 300 by 30 June this year, we are asking you to sign up with the Charter.

The Charter has a full work programme and more resources will be available this year to support signatories to improve their Charter performance.

**We're working together to create a legacy of a safe and healthy rebuild.**

Have a look at the website – [www.safetycharter.org.nz](http://www.safetycharter.org.nz) – and join us and the more than 180 rebuild organisations that have signed or endorsed the Charter so far. Contact [info@safetycharter.org.nz](mailto:info@safetycharter.org.nz) for more information.

**Graham Darlow**

*Chair, Canterbury Rebuild Safety Charter*

### WHY SIGN UP TO 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.

**BRANZ**

## BUILDING INFORMATION BULLETIN

### Residential Fire Sprinklers

#### SUMMARY

A previous BRANZ Building Information Bulletin: Domestic Smoke Alarms (No 252) described how single-station smoke detectors, with a potential for saving lives in residential fires, can be installed at small cost. Recent overseas developments in automatic sprinkler technology have led to the availability of sprinkler systems with a fast response to residential fires, thus offering a new life safety system for dwellings. In New Zealand there is a lack of knowledge of residential sprinklers and this Bulletin is aimed at providing the building industry and property owners with sufficient understanding to decide the merits of their use.

#### DEFINITIONS

To avoid confusion, the following terms used in this Bulletin are defined:

**Residential Building:** any building in which people live.

**Dwelling:** a residential building for use exclusively by one household.

**Double-unit Dwelling:** a residential building containing no more than two dwellings.

**Apartment Building:** a residential building containing three or more apartments (dwellings which share some facilities).

**Accommodation Dwelling:** a residential building providing for five or more occupants.

#### BACKGROUND

Fire sprinkler systems consist essentially of water supplies piped throughout a building terminating at heads which open automatically if a fire occurs near them, so that those heads in the vicinity will discharge a water spray capable of controlling further development of the fire by putting water on a fire while it is still small. A history of sprinkler use shows they have been mainly aimed at protection of property, with damage control and

loss reduction as the prime motive. Their value in life safety has not been ignored, but it is only comparatively recently that life safety has become a specific aim of sprinkler systems. Concern in the USA that the incidence of fire deaths occurring there was much higher than in most other countries has given impetus to the development of "quick response" sprinkler heads, and from them to "residential" heads with the ability to respond rapidly to a growing residential fire.

#### LOSS OF LIFE BY FIRE

Figures for loss of life in fire, and of injuries, in the USA have been published in many articles, and they can make startling reading because of the large population. They have focused wide attention on what is a significant feature of the fire loss scene in the USA: that a high proportion of fire deaths and injuries occur in residential property. Figures for deaths and injuries published annually by the New Zealand Fire Service show a similar result. Deaths over the past 15 years average 47 per year, with 34 occurring in buildings. Of these, 28 have occurred in residential buildings. Thus 82% of building fire deaths were in residential buildings, mainly in dwellings. While each of these deaths is a personal tragedy, these numbers are not large by comparison with other accident statistics, and it is doubtful whether there is any effective strategy which will have much impact on them. A large proportion of these deaths result from human carelessness and the main cure for this lies in increased promotion of fire safety awareness. In addition though, the use of available technology can help to reduce the number of fire deaths and injuries.

The number of New Zealand fire deaths and injuries per million population is low by world standards (about equal to the average for all the developed countries), and no doubt one factor in achieving this is the use of sprinklers whose aim is primarily life safety. It has been Health Department policy for many years to install sprinklers in psychiatric hospitals where experience has shown them to be effective. Both the Tourist Hotel Corporation and the New Zealand Society for the Intellec-

▶ **Intended audience:** Building industry, Property owners

▶ A high proportion of fire deaths and injuries occur in residential buildings.

▶ Residential sprinklers are aimed primarily at life safety.

▶ Voluntary use of residential sprinklers by owners would reduce the risk to life.

▶ Common use of residential sprinklers will only come with cost reduction.

▶ Quick-response residential heads respond as quickly as 20 to 30 seconds to reduce temperatures and the concentration of carbon monoxide.

▶ Plastic pipe work is accepted for sprinkler systems.

▶ Standard specifications ensure that all aspects of the sprinkler systems are adequate for the type of fire it may have to deal with.

**Keywords:** Fire protection equipment, Residential areas, Sprinkler systems, Sprinklers

head. One such standard, used throughout the USA, is NFPA 13: Standard for the Installation of Sprinkler Systems, which was first issued in 1896.

1973 saw the issue in the USA of a complementary standard NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Mobile Homes, with the purpose of providing improved protection against injury, life loss, and property damage. In addition to the use of approved residential quick-response heads, this standard permitted, in contrast to NFPA 13, heads to be omitted from some spaces, eg., bathrooms. The philosophy was that by sprinkling only the occupied rooms, residents are provided with protection until they can vacate, or be evacuated. The level of coverage adopted by NFPA 13D took into account that in one or two-family dwellings or mobile homes, if a fire were to develop uncontrolled because it originated in an unsprinkled area, only the lives of the one or two families would be at risk. This was thought to be justified by the improved protection (over an unsprinkled dwelling) being made available in most of the habitable areas.

More recently in the USA, concerns have been expressed about applications of the NFPA 13D standard to larger residential occupancies such as multiple (i.e., three or more) attached dwellings. In these buildings, should a fire develop without sprinkler control, many more occupants would be at risk. NFPA has recognised the need to cover these by a new standard which will be known as NFPA 13R - Standard for the Installation of Sprinkler Systems in Residential Occupancies. This is expected to be approved for issue during 1989, and will apply to residential buildings up to four storeys high, including apartment buildings, lodging and rooming-houses, and board-and-care facilities with 16 or fewer occupants capable of prompt evacuation. The current draft of NFPA 13R also permits omission of heads in some spaces.

In New Zealand, sprinklers are covered by NZS 4541: 1987 - Automatic Fire Sprinkler Systems, which was based on rules published by the insurance industry in the UK, and adopts a similar approach to the need for total coverage. There is no New Zealand equivalent to NFPA 13D or 13R, but currently (1989) some revision of NZS 4541 is being considered by SANZ to accommodate the use of residential sprinklers.

#### AVAILABILITY

It is evident that sprinkler systems suitable for residential use are now available in countries

overseas, and that ease of installation and cost reductions are encouraging their increased use, particularly in the USA. In New Zealand, this position has not yet been reached. Progress with applications of residential sprinklers will be influenced by a need to understand their uses and limitations, the availability of an appropriate standard specification, supplies of special hardware items, and demand.

The lack of understanding will only be overcome when there is more general knowledge of their application, and of their specific uses and limitations. Interested parties (e.g., New Zealand Fire Service, manufacturers, insurance industry) will need to continue providing information, and ensure that it reaches the right decision makers. Development of NZS 4541 will ensure adequate standards of cover are maintained. The main components of sprinkler hardware are at present imported from overseas. Some of the established sprinkler companies can make quick-response residential heads available that have been approved for use in the USA for NFPA 13D systems. Other components can no doubt be made available locally, but there are currently no local manufacturers of suitable plastic piping and fittings, and supplies for the installations built to date have been imported. It is likely that sprinkler companies would be reluctant to establish large stocks of these imported items until there is an adequate demand, and it is hoped the plastics industry will gear up to provide PB or cPVC components.

#### PROGRESS ON RESIDENTIAL SPRINKLERS USE IN NEW ZEALAND.

A few systems which aim to improve life safety have been installed in New Zealand in recent years, mainly by organisations which have recognised a special need. Typical of these would be some installations in Hospital Board dwellings used for psychiatric patients on trial leave. These are not true residential systems as discussed in this Bulletin because residential quick-response heads were not available at the time. They were approved by the Health Department as suitable for protecting a small number of people, and represent a useful evaluation of what is possible with local resources. Figure 3 shows the control cabinet in one of these dwellings. Other similar systems have been installed by the former Ministry of Works and Development in house-sized buildings used for special purposes. These have also served as useful evaluations, even though they too did not include residential quick-response heads.

The cost of recent (1987) installations was \$3500 to \$4000 for systems with up to

19 heads, and this was considered acceptable in these circumstances. This cost is about 2-4 per cent of the cost of an average house, roughly equal to the cost of carpeting it. It is uncertain whether this level of cost would be accepted by a dwelling owner as equating to improved life safety. Experience in the USA has shown that it is in the poorer residential areas where any strategy for installing sprinklers would be most effective in saving lives. Unfortunately, this level of cost in New Zealand would appear to be a severe limitation to their use where most needed. Any move to reduce costs would aid a more general acceptance and use, and further possible economies are discussed below.

A code of practice is needed to take into account those features of overseas codes which can be applied to New Zealand conditions. The emphasis should be on occupancies where people sleep, since this is where quick response offers the greatest benefit to life safety, particularly where the very young, the very old, and the disabled are accommodated. The code will need to ensure that each installation is designed for the mains pressure and water flow available at the site.

#### WHAT IS ESSENTIAL?

It has been said that a residential sprinkler system needs to be reliable, and yet obtainable at a cost within the reach of a home owner. Various features which contribute to the cost have been discussed above, and it is useful to look in more detail at each item which may be incorporated in a system to see whether it is essential. The following suggestions are made with a view to encouraging a minimum installation consistent with reliability and acceptable cost (see Figures 3 and 4).

**Essential:** hydraulic design, plastic pipework, residential quick response heads, flow detector and alarm, shut-off valve, non return valve, simple instructions, and smoke alarms.

Hydraulic design is important to ensure the system will do what it is intended to do. To avoid the full cost of designing each installation, designs for typical dwellings could be done and published in handbook form. Plastic pipework is easier to install and has better water flow characteristics. Residential quick-response heads achieve rapid control of a fire and minimise the quantity of smoke generated. A flow detector and alarm will alert occupants of the other rooms not immediately affected. A shut-off valve is needed to turn off the water supply if repairs are required, but a non return valve may not be necessary where the water supply is potable. Owners and occupants need some simple

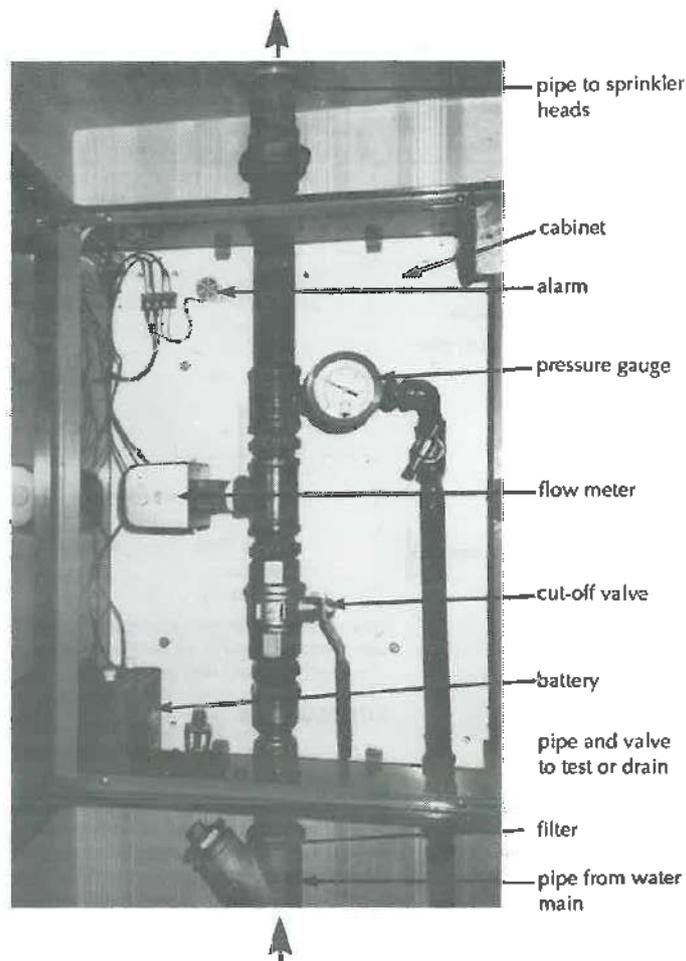


Figure 3: Control Cabinet

instructions, e.g., don't paint the heads, don't leave the valve shut. Smoke alarms are needed because a smouldering fire can generate enough smoke to kill an occupant before it produces enough heat to set off a sprinkler head.

**Not Essential:** certain heads, connection to fire brigade, strainer, pressure gauge, and cabinet.

Records of residential fires show a low probability of fire originating in residential bathrooms or storage spaces, so heads could be omitted from them. Figure 2 is a dwelling layout with sprinkler head locations shown. A brigade connection is expensive to install and generates an annual charge to maintain. Residential sprinklers are to control the fire, and the alarm will alert all occupants, so the brigade can be called by normal means. A pressure gauge is useful for checking that the system is ready and waiting, but this can be done adequately by turning on a tap in the house (NFPA 13D only requires a gauge where water is supplied from a tank). A metal

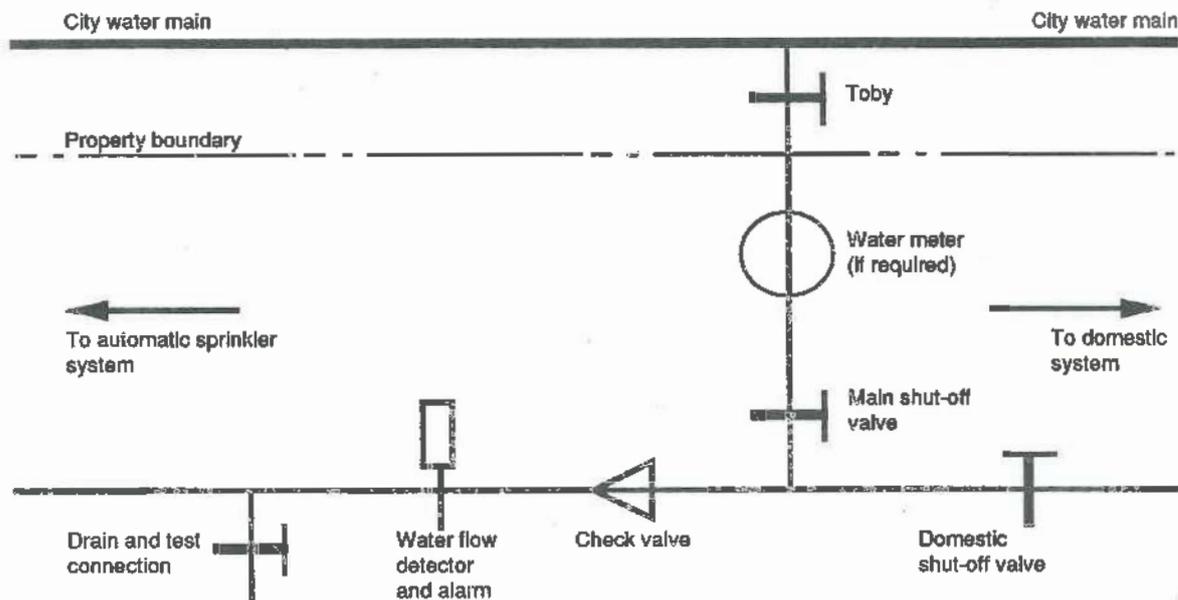


Figure 4: Water Supply

cabinet such as shown in Figure 3 might be considered unsightly by many, but essential items can be fitted into a cupboard.

**CONCLUSIONS**

Life safety in residential fires can be improved by installing smoke alarms. Sprinkler technology is now providing another effective way of saving lives and reducing injuries. Residential sprinklers have come of age and are now available in New Zealand. Fire death and injury statistics in New Zealand do not make a convincing economic case for the widespread use of residential sprinkler systems, but there are circumstances where application of this technology can be attractive in improving life safety. Furthermore, saving lives by early control of a fire is also likely to reduce damage to property. Some existing dwellings command high premiums because of their remoteness from the Fire Service or an adequate water supply, or because of special risks associated with older dwellings, and there is an opportunity for the use of residential sprinklers to influence insurance premiums. Costs are still too high to achieve general acceptance in dwellings but a potential exists for a reduction in costs and an increase in applications.

**FURTHER READING**

Bell, Kerry M. 1986. Plastic fire sprinkler

pipng - the systems concept. Building Standards, September/October. Whittier.

Fleming, Russell P. 1985. Quick response sprinklers: a state-of-the-art technical report. National Fire Protection Research Foundation, Batterymarch Park, Quincy.

Fleming, Russell P. 1988. A closer look at the NFPA residential sprinkler standards. Fire Journal, March/April 1988. p 51. NFPA Batterymarch Park, Quincy.

**STANDARDS**

The following standards have been referred to in this Bulletin:

National Fire Protection Association. 1987. Standard for the Installation of Sprinkler Systems, NFPA 13. Quincy.

National Fire Protection Association. 1984. Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Mobile Homes, NFPA 13D. Quincy.

Standards Association of New Zealand. 1987. Automatic Fire Sprinkler Systems. NZS 4541. Wellington.

Standards Association of New Zealand. 1988. Fire Resisting Construction and Means of Egress. NZS 1900, Chapter 5. Wellington.

CI/SFB (68.54) 47	© Building Research Association of New Zealand	<b>Regional Advisory Offices</b>
UDC 614.844.2:728	<b>Head Office and Research Station</b>	<b>Auckland</b>
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		6 Hanover Street
		Telephone - (024) 740-454 Fax 778-436





## "Fire Protection - Innovate your Business" Seminar Series

### 2015 DATES:

DUNEDIN	Monday 4th May
CHRISTCHURCH	Tuesday 5th May
WELLINGTON	Wednesday 6th May
ROTORUA	Thursday 7th May
AUCKLAND	Friday 8th May

### INVESTMENT:

- **Members (single) \$290 each\*** excl. GST
- **Non-Members \$360 each** excl. GST

\*Available to FPANZ Financial Members who are fully paid-up.

**Catering is provided** for this full day seminar consisting of morning and afternoon tea, lunch and after event social gathering.

### WORKSHOP LOCATIONS & TIMES

DATE & TIME	VENUE	ADDRESS
<b>Monday 4th May</b> 08:00am - 4.00pm.	Kingsgate Hotel Dunedin	10 Smith St DUNEDIN
<b>Tuesday 5th May</b> 08.00am - 4.00pm.	Novotel Christchurch	50 Cathedral Square CHRISTCHURCH
<b>Wednesday 6th May</b> 08.00am - 4.00pm	Rydges Hotel Wellington	75 Featherston St WELLINGTON
<b>Thursday 7th May</b> 08.00am - 4.00pm	Millennium Hotel Rotorua	Cnr Eruera & Hinemoa St ROTORUA
<b>Friday 8th May</b> 08.00am - 4.00pm	Copthorne Hotel Auckland	150 Anzac Ave AUCKLAND

This seminar series is driven by the ongoing changes we face as an industry and the importance of selecting the right products to meet design and standards requirements.

FPANZ is running a series of full-day workshops throughout the country to continue its plan of education and information to ensure the industry is continuing to get the latest information and support.

We are pleased to have an industry supplier with a key speaker from its headquarters in the USA to also present on several key topics. They will have a practical emphasis focusing on preferred methods and practices

### WHO SHOULD ATTEND:

The seminar/workshops are particularly aimed at those involved in Design, fabrication, supply, specification, installation and testing of Sprinkler Systems.

Those who should attend include:

- Sprinkler system designers
- Sprinkler system installation supervisors and charge-hands
- Sprinkler system installers/technicians
- Installation inspectors
- Evacuation consultants
- Maintenance technicians
- Fire system surveyors
- Portable equipment technicians
- Insurance risk managers and surveyors
- Sprinkler system component manufacturers and suppliers.
- Designers and estimators
- Council inspectors

## SEMINAR CONTENT:

The workshop will be presented in a series of parts covering the following timing and topics:

8.00 am	Arrival and coffee
8.30 am - 10.00am	Presenter <b>Chris Mak</b> Sprinkler Seismic Overview Seismic design requirements What the future is likely to entail
10.00am - 10.30am	Morning Tea
10.30am - 11.30 pm	Presenter <b>Greg Cain</b> Overhauling systems and correct testing procedures, Pre-Action Dry and Deluge systems
11.30am - 12.30pm	New Viking Product Presenter <b>Martin Workman</b>
12.30pm - 1.15pm	Lunch
1.15pm - 3.00pm	Presenter <b>Martin Workman</b> Storage products Existing and new Design Pitfalls NFPA/FM Changes
3.00pm - 3.15pm	Afternoon tea
3.15pm - 4.00pm	Foam product, Testing and development, The future
4pm	Close (review and social discussion)

*Despite the requirements of various NZ standards the seismic compliance of Sprinkler and Fire Systems has received scant attention in recent years. A series of major earthquakes in Christchurch in 2010 and 2011 and in Seddon in 2013, which also affected Wellington, highlighted a systemic problem. The industry is under increasing pressure to assure seismic compliance on current and future construction projects. Our installations must comply with the New Zealand building code and with all legislative requirements our challenge is to deal with it in a cost effective manner.*

*For over 80 years the name Viking has represented global leadership in fire protection. Today, the companies of the Viking Group (Viking Corporation, Viking SupplyNet, Viking Fabrication Services, Viking Plastics, and VGS® Grooved Piping Systems) provide independent fire sprinkler contractors with integrated solutions for any fire protection challenge.*

*Their goal is to enhance and support the efforts of fire sprinkler contractors.*

*Viking offer professional training on a variety of product which includes gas flood systems, preaction systems, valve sets, hand held operating firefighting equipment and sprinkler product.*

*The goal with this program is for attendees to be able to walk away knowing how to identify the various designs of these products and systems and comprehend the important differences in how they perform. Attendees will learn to recognise, install, inspect and maintain properly installed sprinkler systems. To comprehend the hydraulic performance of systems, locate technical support information and understand what the requirements of NZS4541 are in relation to this technology.*

## PRESENTERS

- **Chris Mak:** BE FIPENZ, MSFPE, CPeng.  
Chris has over 25 years' experience in the fire protection industry in engineering and management positions. He is currently the manager of Aon's Sprinkler System certification business unit. Previously, he was the engineering manager for NZ's largest fire protection installation and service company. He has been involved in the preparation of numerous fire protection standards, including chairing the committees that drafted the last two revisions of NZS4541 "Automatic Fire Sprinkler Systems".
- **Greg Cain:** NZCE Mech  
Greg Cain is the National Business Development Manager for Viking Sales and Service with over 22 years of related industry experience.  
Greg has been involved in the Sprinkler Fire Protection Industry since 1993 when he started as a Sprinkler Cadet with James Hardie Building Services. He progressed through the James Hardie and latterly Chubb business with training in all aspects of Sprinkler installations including Sprinkler Design, Estimating, and Project Management.  
Greg moved to Fiji in 1998 to manage the Fire Control Fiji business. Subsequently purchased by TYCO, Greg joined the Wormald NZ business as their Sprinkler Contracts Manager. In 2007 Greg joined Viking Sales & Services as the National Business development Manager.
- **Martin Workman:** Senior Engineer Viking, Vice President, Product Management.  
Martin started in the fire sprinkler trade in 1984 as an apprentice sprinkler fitter. In 1990, Martin moved from the field to the office of a fire sprinkler installation company to learn design, which then moved to sales. In 1997, Martin joined the Viking Corporation as the Product Manager of Special Hazards. Martin supported sales and installation of Viking's foam product offering. In 2004, Martin joined Viking Global Product Development team. In 2008, Martin began as Chairman of the Global Product Development team.  
Martin is a primary member of NFPA 11, NFPA 30, NFPA 30b, NFPA 409, and NFPA 415. Martin is an alternate on the NFPA 13 discharge committee.

# 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.*

# Industry Focus

Feb 2015

Celebrating the people who grew skills, careers and businesses in 2014



We've rounded up some of our industries' achievements and successes from 2014 for you to enjoy.

As a multi-sector industry training organisation (ITO), we design and manage technical and business qualifications to make sure the New Zealand workforce is highly skilled.

We work with our industry partners to understand the skills your employees need and to develop national qualifications that will help your learners build those skills. Then we help that learning happen - in the workplace.

But it's not just learning and on-the-job training that we do to support our partner industries.

Promoting trade careers to the next generation of tradespeople, supporting events to celebrate successes, and providing funding to encourage higher-level learning are just a few of the ways we also work with our industries.

In 2015 we want to work with you to grow Kiwi skills, careers and businesses.

All the best,

John Blakey, CEO  
j.blakey@competenz.org.nz

## Growing businesses

### B&D Doors, Christchurch, Manufacturing

Over 20 employees graduated with core manufacturing and competitive manufacturing qualifications from B&D in 2014.

As a result of training, B&D has seen significant improvements in communication skills, new processes developed to improve work areas, and increased employee confidence leading to more applications for promotions – and those applicants being successful!



### Adept Ltd, Auckland, Plastics

The team at Adept hosted the leadership team of Competenz at their Auckland operation in 2014 – showcasing their in-house product innovation team, their impressive tooling set up and their robotic injection moulding area.



Owner Murray Fenton started Adept Ltd 45 years ago and now leads a team of more than 80 highly skilled people producing products in plastic and carbon fibre. The products range from a fish stun gun (the Ikigun) to a radiation-repelling device used in cardiac surgery (the STARTable).

### AEC, Ashhurst, Engineering

"You hear people saying that there's a shortage of tradesmen. But what they don't understand is you need to invest in training. There's no point grumbling – we've all got to do our part to keep the young fellas coming through," says Dave Hoskin, Managing Director of AEC: Ashhurst Engineering & Construction Company.



Dave currently employs four apprentices through Apprentice Training New Zealand (ATNZ), a model managed by Competenz, and says AEC likes to keep a minimum of four apprentices at any one time.

## Growing careers

### Print Scholarship

Well done to Matthew Devlin (far right), winner of the *Competenz Print Scholarship 2014*. Matthew is studying towards the National Diploma in Print Industry Management, Level 5.

"I'm looking forward to studying the behind-the-scenes aspects of the business that I don't see as a printer, and learning about new technology in the industry," says Matthew.



### Engineering Scholarship

Congratulations to our *Competenz Engineering Scholarship 2014* winners who received the full cost of either the Level 5 National Certificate in Mechanical Engineering or a Level 6 New Zealand Diploma in Engineering Practice (NZDEP).

- **Neil Davis** – Royal New Zealand Navy, Devonport
- **Daniel O'Neill** – Parr & Co Engineers, Invercargill
- **Evan Pannett** – Airzone, Whangarei (right)



Every year, we work with over 3,500 businesses in 37 industries, helping more than 20,000 people develop their skills on-the-job.

Please stay in touch with us. We want to hear from you.



# Our future tradespeople

## Rising young baker

Daniel Wu (below) of Manurewa High School won the *Rising Young Baker Competition* held at the ASB Showgrounds as part of Fine Food New Zealand. The competition was hosted by Competenz and the Baking Industry Association of New Zealand (BIANZ).

Daniel was one of three Gateway students aged 16 years and over who demonstrated potential and a keen interest in baking as a career.



## Tools4Work professional development days

Two Tools4Work professional development days were held in Auckland and Christchurch in 2014, with over 120 teachers attending from around the country.

Auckland attendees had the opportunity to listen to Andrew Jackson and Ben Norton from Compac Sorting Equipment, and the Christchurch attendees went on a factory tour at Hamilton Jet (below).



The Competenz Tools4Work programme delivers resources to give secondary school students hands-on experience while they prepare for a career in engineering. In 2014 more than 5,000 students in 204 schools completed units using Tools4Work resources. We are grateful to Blackwoods Protector who provide funding for the Tools4Work professional development days.

# Acknowledging success

## Plastics awards

Millennium Plastics Ltd won the Supreme Award at the *New Zealand Plastics Industry 2014 Design Awards* for their all-new Waikato Milking Systems Electronic Milk Meter. Competenz was the gold sponsor of the event.



Every gold medallist at the awards, bar one, is investing in technical training for their employees.

## Print awards

Steven Hunter from Sealed Air in Hamilton won the *Icon Papers Print Apprentice of the Year* category at the 2014 *Pride in Print Awards*.



Competenz partnered with Print NZ to promote this category.

## Butchery awards

Luka Young (left) from PAK'nSAVE Lincoln Road took out the hotly contested title of *Competenz Butcher Apprentice of the Year 2014*. The 2013 winner, Jack Khosrawi (right), also works at the Lincoln Road store. Manager Peter Farrelly (centre) must be doing something right!



## Got a Trade campaign



In early 2014 Competenz initiated 'Got a trade? Got it made!' a collaborative campaign owned by Industry Training Organisations in New Zealand. The campaign exists to re-position trade careers in the minds of 12-20 year olds and their influencers. 'Got a Trade Week' is set to take place 21 - 28 August 2015.



**Got a Trade Week 2015** was launched at the 2014 *Careers & Transition Education Association Conference (CATE)* in front of 700 careers advisers from around the country (above).

The keynote presentation "debunking the myths around trades careers" gave careers advisers some facts and tips for talking to principals and teachers about the real opportunities for tradespeople in industry. Nine ITOs participated in a "mythbusting panel", answering questions from the group.

## Training provider awards



We work closely with Polytechnics where our learners go to complete block courses, night class and correspondence during their apprenticeships.

Eleven providers attended our first ever *Provider Awards*, celebrating successful partnerships and acknowledging tutor investment in the ongoing development of our apprentices. The guest speaker was Cecilia Sullivan-Grant, *Kiwibank Local Hero of the Year 2014* and a pioneer in the promotion of apprenticeships.

# Health & safety matters

## ACC workplace safety management practices

Keeping workers safe and healthy is important to every business we work with. We strive to uphold the same high standards within Competenz.

In 2014, Competenz achieved tertiary level accreditation in the ACC workplace safety management practices (WSMP) programme. This is part of our journey towards internationally recognised accreditation.

## Independent forestry safety review

Competenz played an active part in the independent review set up to identify ways to make our forests safer places to work.

We contributed to the terms of reference, made submissions, took part in working groups, encouraged members of the industry to get involved, and helped communicate the review's recommendations. A video outlining the panels recommendations can be found on the forestry page of our website. [www.competenz.org.nz/forestry](http://www.competenz.org.nz/forestry)

## Forestry awards

At the *Eastland Wood Council Forestry Awards*, Matt Stewart from Stewart Logging was named *Modern Apprentice of the Year 2014*. Matt also featured in a Competenz case study video promoting forestry careers. Check it out on the forestry page of our website.

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



# Growing skills



**Michael Abel**  
Fonterra, Maintenance Engineering



Michael chose to take up a trade as soon as he left school, enrolling in a National Certificate of Mechanical Engineering.

His dedication and smarts caught the eye of dairy giant Fonterra in Taranaki which employed him as an engineering apprentice.

And Michael is convinced he made the right choice about taking up a trade. *"Uni's good fun socially with your mates, but doing this was not only good fun. I've learnt heaps of life skills and I do seem to be getting ahead in life compared to the guys who went to uni. They're still trying to catch up and get themselves sorted, while I'm miles ahead."*

**Colin Price**  
Tyco, Fire Protection



At 66 years old, Colin not only has a few years under his belt, but an impressive number of trades as well. Over the years Colin from Palmerston North has sailed through pretty much every fire safety qualification there is.

Colin's enthusiasm for training is infectious. *"It probably relates to my days in the apprentice training school. I've always had this philosophy and tried to pass it on. Get as qualified as you can in a field, because it's going to pay off, in terms of continued employment, or if you want to climb the ladder or for your own personal satisfaction. It's something I've always lived by."*



**Alex Rau**  
Molloy Furniture, Furniture



Alex, who was awarded Furniture Apprentice of the Year in 2013, is the tenth apprentice who has qualified with Molloy Furniture Auckland, but he's not the only one to achieve glory. Several former apprentices have done well with awards and one has represented New Zealand at the World Skills Competition. It's a track record of which owner Vincent Molloy can feel very proud.

**Ashton Fleming**

Hayes International, Mechanical Engineering



Ashton has a penchant for something that puts most people on edge – the sound of grinding metal. The young fitting and machining apprentice sports a passion for stock car racing.

The opportunity to work at Hayes International, a manufacturer based in Rotorua, doing what she loves on a daily basis has given her no regrets. *"When I look back at my decision to become an apprentice, I am definitely happy that I did it. There's nothing else I would rather be doing. It's a lot of fun and really interesting work."*



**Rebekah Savage**  
Rolleston Bakery, Baking



Rebekah is on the fast track to success. The 20-year-old from Christchurch, fondly known as the 'tattooed baker', already has a large Facebook following, her own clothing range and was the winner of the Weston Milling Trainee of the Year 2014.

**Lawrence Rehutai**  
UBQ Limited, Forestry



Lawrence says the hands-on, practical nature of workplace training is one of the factors that help him and other Māori learners complete their qualifications at UBQ Ltd in Tokoroa.

*"Many Māori people are visual learners," says Lawrence. "Hands-on learning works well for us because we can picture the activities we're learning about."*

In 2014 Competenz commissioned a study into Māori and Pasifika workplace training. We learnt that:

- The compelling issue for our Māori and Pasifika learners is participation.
- Ethnicity does not predict whether our learners complete their trades or traineeship qualifications.
- Most of the factors which help our Māori and Pasifika learners complete their qualifications, and the factors that make it hard for them to complete, are common to all our learners.



**Paula Richards**  
Orora Group, Packaging



On 1 January 2014, Competenz launched a new suite of training qualifications known as 'New Zealand Certificates' across the packaging industry. These certificates replace all 'National Certificates'.

Paula from Christchurch became the first person to be awarded the *New Zealand Certificate in Fibreboard Packaging, Level 3*.

# Working with you

## Department of Corrections



From Ngawha in the far north to Invercargill in the deep south, Competenz programmes are operating in every prison throughout NZ.

Many prisons have fully operational workshops and are described as 'working prisons' where the aim is to create career opportunities to reduce the chance of reoffending.

Rolleston Prison in Christchurch has set up a construction yard where offenders are refurbishing at least 150 quake-damaged Housing New Zealand homes while completing Wood Manufacturing and Health & Safety qualifications.



**Wallie Askew**

The annual *Wallie Askew Competition* saw contestants having to produce a sign with the word 'CHILL' made from copper tube that,

when operational, would be covered in ice like a mini ice bank.

Competenz sponsored a prize given to one of the award winners.

Well done to first place winner Malachi Geerlofs from Dongwa Patinna who is currently completing his apprenticeship in Refrigeration and Air Conditioning.



## Letterheads International meet

The 'Back to Basics' Letterheads International Meet 2014 was hosted by Harvey Signs in Ashburton.

Competenz sponsored one of the eight workshops, a Gold Leafing class, by providing all the gold leaf. The other seven workshops included air brushing, surface gilding, scrollwork, pinstriping, Oamaru stone carving, traditional hand lettering and acid etching on glass.

Letterheads is an annual meeting of signmakers from around the county who gather to attend workshops where signmaking techniques and skills are shared.

## Apparelmaster and Textile Care Federation annual conferences



Competenz supported these two 2014 conferences. As a result 23 new learners were signed into the Level 3 Team Management qualification. Congratulations to ALSCO and Apparelmaster who foster and encourage training for their employees.

## Lean hubs



ENI Engineering, in partnership with the Canterbury Development Corporation, hosted the third Christchurch-based Competenz Lean Hub.



Over 70 representatives from businesses around New Zealand took a tour of ENI's factory to see just how lean principles are being implemented successfully.

## Royal New Zealand Navy



Over the past year the Royal New Zealand Navy has been working closely with Competenz to align their in-house training materials to National Certificates in Maritime.

This means national qualifications can fall naturally out of the Navy's already advanced training programmes.

In 2014 nearly 600 learners graduated from Level 2 and 3 Maritime qualifications, with another 800 still to complete.

Competenz Account Manager Lara Williams has been seconded full time to work with the Navy on their training journey and a strong relationship has been built, not only with the Navy, but with the New Zealand Defence College too.

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4 Pike Street Rydalmere NSW 2116

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# 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 Bensemann</b>	Contractors Group
<b>Jenny Maxwell, 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 Bensemann Geoff Cardale Chris Mak David Percy David Prosser Joe Rose

# LISTINGS

## Current Financial Members of the Fire Protection Association of New Zealand Financial Year 2014/2015

### PLATINUM MEMBERS



Argus Fire Systems Service Ltd  
Chubb Fire & Security  
Fire Security Services Ltd  
Tyco New Zealand Ltd - Trading as - Wormald  
Winstone Wallboards Ltd

### GOLD MEMBERS



Ampac Pacific Ltd  
Fire Fighting Pacific - Canterbury  
Fire Protection Inspection Services Ltd  
Fire Solutions Limited  
Firewatch New Zealand Ltd

First Fire Systems Ltd  
Guardian Alarms Ltd  
Nationwide Fire Protection Ltd  
Pacific Building Services Ltd  
Pertronic Industries Ltd  
PSL - Phillips & Smith Ltd

South Pacific Fire Protection Ltd  
Triangle Fire Protection Ltd  
Tyco New Zealand Ltd - Trading as - Tyco Fire Protection Products

### SILVER MEMBERS



Tyco New Zealand Ltd -Trading as - ADT Fire Monitoring NZ  
Alan Wilson Insurance Brokers  
Almak Ltd  
AON New Zealand Ltd  
Aquaheat New Zealand Ltd  
Armitage Systems Ltd  
Ask Metro Fire Limited  
AssetCare Ltd  
B & M Sprinkler Ltd  
BECA Carter Hollings & Ferner Ltd  
BRANZ Ltd

Compliance Fire Alarms Ltd  
Compliance Fire Protection Ltd  
Cowley Services Ltd  
Ecoglo International Ltd  
Fire & Mechanical Contracting Ltd  
Fire Fighting Pacific - Nelson  
Marlborough Fire Ltd  
Fire Protection Compliance Ltd  
Fire Protection Services Ltd  
Fire System Maintenance Ltd  
Hydroflow Distributors Ltd  
Kingspan Insulated Panels Limited

RCR Building Products NZ Ltd  
Trading as -Metalbilt Doors  
Promat Australia Pty Ltd  
Property Brokers Compliance Ltd  
Safety First NZ Ltd  
Select Alarms  
Specialist Firestop Contractors Ltd  
Tansley Electrical Ltd  
Tech Group of Companies  
Electrotech Controls Ltd  
Viking Sales & Services Ltd

### BRONZE MEMBERS



Active Fire Consultants Ltd  
Advantage Fire Protection Ltd  
AFAM Ltd  
Affordable Fire Protection Ltd  
Alarm and Power Services Ltd  
Alarm New Zealand Ltd  
Allproof Industries NZ Ltd  
Amerex Fire Pacific (NZ)  
Argest Technical Services  
Auckland Independently Qualified Persons Ltd  
Babbage Consultants Ltd  
Ballard Consulting  
Brooks New Zealand Limited  
BSC Fire Protection Ltd  
Building & Fire Safety 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  
Enlightened Solutions Ltd  
Fire & Building Compliance Ltd  
Fire and Safty Training Ltd  
Fire Corp Industries Ltd

Fire Engineering Services Ltd  
Fire Extinguishers Ltd  
Fire Group Consulting Ltd  
Fire International (NZ) 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  
Hilti NZ Limited  
HomeSafe Limited  
HSM Fire  
IAG New Zealand Ltd  
Hills Building Technologies  
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  
Oceania Tanks (A division of Rendertech Ltd)  
QBE Insurance (International) Ltd  
Reclaim Limited  
Red Alert New Zealand 2012 Ltd  
Redfire Systems Ltd  
Richdale Fire & Security 2012 Ltd  
RJ Nelligan & Associates Ltd  
Security Specialists Ltd  
Shearer Contracting Ltd  
Skycity Auckland Ltd  
Smoke Control NZ Ltd  
Southern Fire Protection Ltd  
Southgate Fire and Safety  
Spot On Fire Protection Ltd  
Steelguard Ltd  
Stephenson & Turner NZ Ltd  
Superior Electrical  
Tag Safe Limited  
Tasman PFV Ltd  
Tasman Tanks New Zealand Ltd  
Ultra Fire Protection  
Vero Insurance NZ Ltd  
Vicalic  
Westland Fire Equipment Ltd  
Xfire Ltd t/a Crossfire  
Zone Architectural Products Ltd

### INDIVIDUAL/SUBSCRIPTION MEMBERS



David Thompson  
Gareth Edwards  
Graham Ramsey  
Lusi Huang  
Mike Vincent

Paul Clements  
Peter Whitehead  
Peter Matheson  
Peter Gascoigne  
Reid Watson

Spot On Vital Fire Protection  
Stu Blair  
Steve Larkins

# LISTINGS

## FPANZ Certified Evacuation Consultants as at March 2015

**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

**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

**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 March 2015

**Aquaheat New Zealand Ltd**

PO Box 51031, Tawa

**Argus Fire Protection**

PO Box 13508  
Onehunga, Auckland

**Armitage Group**

PO Box 300 483  
North Harbour, Auckland

**Ask Metro Fire Limited**

PO Box 84103, Westgate  
Waitakere, Auckland

**Chubb Fire & Services**

PO Box 19616, Christchurch  
**All Branches**

**Compliance Fire Alarms**

PO Box 18817, Christchurch

**Cowley Services Ltd**

PO Box 13782, Auckland

**Tech Group of Companies**

PO Box 3016, Napier

**FFP Nelson Marlborough Fire Ltd**

PO Box 2365, Stoke, Nelson

**Fire System Maintenance**

PO Box 29074,  
Greenwoods Cnr, Auckland

**Fire Fighting Pacific Canterbury**

PO Box 22189, Christchurch

**Fire Security Services**

Private Bag 3207, Hamilton  
**All Branches**

**First Fire Systems**

PO Box 112120, Penrose, Auckland

**Guardian Alarms**

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

**Select Alarms**

PO Box 544, Hamilton

**Triangle Fire Protection**

PO Box 34 449  
Birkenhead, Auckland

**Property Brokers Compliance Ltd**

PO Box 5004, Palmerston North

**Fire Control Services Limited**

PO Box 87-122  
Meadowbank, Auckland 1742

# LISTINGS

**PLEASE NOTE Aon will be writing to contractors regarding 2015 renewals which are due shortly**

**Listed Sprinkler Contractors** Provided by Aon - New update will be provided in April's newsletter.

CONTRACTOR NAME	LISTING TYPE
Affordable Fire Protection	Provisional
ASF 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	Full
Electrotech Controls Ltd	Full
Emergency Management Solutions	Full
Emerson Fire Protection Ltd	Provisional
Elite Fire Protection Ltd	Provisional
Fire Control Services Limited	Full
Fire & Mechanical Contracting Ltd	Full
Fire Fighting Pacific Canterbury Limited	Full
Fire First Systems Limited	Full
Fire Protection Engineers Limited	Full
Fire Protection Inspection Service Ltd	Full
Fire Risk Management Ltd	Provisional
Fire Security Service Ltd	Full
Fire Solutions Limited	Full
Fire Sprinkler Installations NZ Ltd	Full
Fire System Inspections Ltd	Full
Fire System Maintenance Ltd	Full
Fire Systems Consultants	Provisional
FFP Nelson Marlborough Fire Ltd	Full
Homesafe Ltd	Full
Hudson Inspections	Full
Kensway Fire Limited	Full
LA Inspection Services Ltd	Provisional
Maximus Fire Limited	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	Provisional
Spotless Facility Service (NZ) Limited	Full
Triangle Fire Protection Ltd	Full
Southgate Fire & Safety Limited	Full
South Pacific Fire Protection Ltd	Full
Sprinkler Fitout Specialist Limited	Full
Ultra Fire Sprinkler Systems Ltd	Full
Unifire Ltd	Full
Wormald (Tyco New Zealand) Ltd	Full

# LISTINGS

## FPANZ Fire Extinguisher Service Agents as of March 2015

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argus.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Armitage Group	09 476 0936	www.armitagegrp.com	Auckland
Chubb Fire & Security Ltd	0800 800 535	www.chubb.co.nz	National through central contact
Compliance Fire Protection Ltd	(03) 382 1155	glenda@cfpl.co.nz www.compliancefire.co.nz	Christchurch
Eastland Fire Compliance & Locking Ltd	(06) 868 3333	geoff@efcl.co.nz www.efcl.co.nz	Gisborne & East Cape
Fire & Building Compliance Ltd	0800 488 758	info@fbc.co.nz www.fbc.co.nz	Auckland, Waikato, Tauranga, Turangi
Fire Control Services Ltd	0800 352 637	info@firecontrol.co.nz www.firecontrolservices.co.nz	National
Fire Fighting Pacific Canterbury Ltd	(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@xtra.co.nz	Richmond, Nelson
National Fire Protection (2006) Ltd	(09) 473 6102	nat-fire@xtra.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
Southern Fire Protection Ltd	(03) 476 7873	southernfire@xtra.co.nz southernfire.co.nz	Dunedin
Spot On Fire Compliance	0800 428 754	spotonfire@xtra.co.nz www.spotonfireprotection.co.nz	Matamata
Spot on Fire Protection Ltd	0800 444 700	spotonfireprotection@xtra.co.nz www.spotonfireprotection.co.nz	Bay of Plenty
Westland Fire Equipment (2006) Ltd	(03) 762 5609	wfe2006@xtra.co.nz	South Island West Coast -South Karamea to Haast
Wormald (NZ) Ltd	0800 4967 6253	Wormald.questions.nz@tycoint.com www.wormald.co.nz	National

## FPANZ Recorded Fire Saves for February 2015

1/02/2015	Automatic PFA Call	Recreational, Assembly MANGERE, AUCKLAND	Structure Fire	Mechanical failure, malfunction - not classified above
2/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage CHARTWELL, HAMILTON CITY	Miscellaneous Fire	Carelessness with heat source - not classified above
3/02/2015	Automatic PFA Call	Educational NORTH DUNEDIN, DUNEDIN CITY	Structure Fire	Short circuit, earth fault
3/02/2015	Automatic PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Unattended cooking
4/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Installation deficiency
5/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Biohazard, Radioactive Incident	Information not recorded
7/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage TAKAPUNA, AUCKLAND	Structure Fire	Unattended cooking
9/02/2015	Manual PFA Call	Residential CHRISTCHURCH CENTRAL, CHRISTCHURCH CITY	Miscellaneous Fire	Spontaneous ignition
9/02/2015	Manual PFA Call	Educational AVONDALE, AUCKLAND	Structure Fire	Other electrical failure
9/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage PIPITEA, WELLINGTON CITY	Structure Fire	Unable to classify
9/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Heat source too close to combustibles
9/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Biohazard, Radioactive Incident	Information not recorded
10/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAIWHARAWHARA, WELLINGTON CITY	Structure Fire	Other electrical failure
10/02/2015	Manual PFA Call	Residential NEWTOWN, WELLINGTON CITY	Structure Fire	Unattended cooking
10/02/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage EAST TAMAKI, AUCKLAND	Chemical, Flammable Liquid or Gas Fire	Operating deficiency - not classified above
11/02/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage MATAURA, GORE DISTRICT	Structure Fire	Backfire
11/02/2015	Manual PFA Call	Not Recorded UPPER RICcarton, CHRISTCHURCH CITY	Structure Fire	Information not recorded
11/02/2015	Automatic PFA Call	Recreational, Assembly MILSON, PALMERSTON NORTH CITY	Structure Fire	Operating deficiency - not classified above
11/02/2015	Manual PFA Call	Residential LEIGH, AUCKLAND	Structure Fire	Accidentally turned on: not turned off
12/02/2015	Manual PFA Call	Recreational, Assembly WIRI, AUCKLAND	Structure Fire	Unattended cooking
12/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage MANGERE, AUCKLAND	Electrical Hazards	Information not recorded
12/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage GRACEFIELD, LOWER HUTT CITY	Structure Fire	Other electrical failure
13/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Careless disposal or use: cigarettes, cigars, ashes, embers
13/02/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage TAURANGA, TAURANGA CITY	Structure Fire	Other electrical failure
13/02/2015	Manual PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Unattended cooking
14/02/2015	Other PFA Call	Commercial, Retail, Manufacturing, Storage KAWERAU, KAWERAU DISTRICT	Structure Fire	Friction (sparks etc.)
14/02/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage HOKITIKA, WESTLAND DISTRICT	Electrical Hazards	Information not recorded
15/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Electrical Hazards	Information not recorded
17/02/2015	Automatic PFA Call	Educational KAIKOHE, FAR NORTH DISTRICT	Structure Fire	Undetermined
17/02/2015	Automatic PFA Call	Not Recorded MOTUEKA, TASMAN DISTRICT	Structure Fire	Information not recorded
17/02/2015	Automatic PFA Call	Health, Institutional HAMILTON EAST, HAMILTON CITY	Electrical Hazards	Information not recorded
17/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Biohazard, Radioactive Incident	Information not recorded
17/02/2015	Manual PFA Call	Residential NEWTOWN, WELLINGTON CITY	Structure Fire	Unattended cooking

## FPANZ Recorded Fire Saves for February 2015

17/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage MANUREWA, AUCKLAND	Structure Fire	Suspicious
17/02/2015	Manual PFA Call	Not Recorded MOUNT COOK, WELLINGTON CITY	Structure Fire	Information not recorded
18/02/2015	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage HAMILTON CENTRAL, HAMILTON CITY	Structure Fire	Other electrical failure
19/02/2015	Manual PFA Call	Residential WELLINGTON CENTRAL, WELLINGTON CITY	Structure Fire	Unattended cooking
19/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage WHANGAREI, WHANGAREI DISTRICT	Structure Fire	Suspicious
20/02/2015	Manual PFA Call	Residential TE ARO, WELLINGTON CITY	Structure Fire	Installation deficiency
20/02/2015	Manual PFA Call	Health, Institutional NEWTOWN, WELLINGTON CITY	Structure Fire	Unlawful
20/02/2015	Other PFA Call	Residential MANGAKAKAHI, ROTORUA DISTRICT	Miscellaneous Fire	Lawful
20/02/2015	Manual PFA Call	Health, Institutional ASHBURTON, ASHBURTON DISTRICT	Flammable Liquid, Gas Incident	Information not recorded
20/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage KAIAPOI, WAIMAKARIRI DISTRICT	Electrical Hazards	Information not recorded
20/02/2015	Other PFA Call	Not Recorded HINDS, ASHBURTON DISTRICT	Structure Fire	Information not recorded
20/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage MOUNT WELLINGTON, AUCKLAND	Structure Fire	Unattended cooking
20/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage OTAHUHU, AUCKLAND	Miscellaneous Fire	Careless disposal or use: cigarettes, cigars, ashes, embers
20/02/2015	Automatic PFA Call	Residential STRANDON, NEW PLYMOUTH DISTRICT	Structure Fire	Legality not known
23/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage HENDERSON, AUCKLAND	Structure Fire	Part failure, leak or break
23/02/2015	Manual PFA Call	Not Recorded AUCKLAND CENTRAL, AUCKLAND	Not Recorded	Information not recorded
23/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KAITAIA, FAR NORTH DISTRICT	Structure Fire	Mechanical failure, malfunction - not classified above
23/02/2015	Automatic PFA Call	Communications, Research MASSEY UNIVERSITY, PALMERSTON NORTH	Chemical, Flammable Liquid or Gas Fire	Failure to use ordinary care
23/02/2015	Automatic PFA Call	Not Recorded PARNELL, AUCKLAND	Not Recorded	Information not recorded
23/02/2015	Automatic PFA Call	Recreational, Assembly PALMERSTON NORTH, PALMERSTON NORTH CITY	Electrical Hazards	Information not recorded
24/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage AUCKLAND CENTRAL, AUCKLAND	Structure Fire	Other electrical failure
24/02/2015	Automatic PFA Call	Not Recorded TAKAPUNA, AUCKLAND	Not Recorded	Information not recorded
25/02/2015	Other PFA Call	Not Recorded HORNBY SOUTH, CHRISTCHURCH CITY	Not Recorded	Information not recorded
26/02/2015	Manual PFA Call	Not Recorded MANGERE, AUCKLAND	Not Recorded	Information not recorded
26/02/2015	Manual PFA Call	Recreational, Assembly OREWA, AUCKLAND	Vegetation Fire	Information not recorded
26/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage OSTEND, AUCKLAND	Structure Fire	Short circuit, earth fault
27/02/2015	Manual PFA Call	Health, Institutional WATLINGTON, TIMARU DISTRICT	Structure Fire	Part failure, leak or break
27/02/2015	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage KINLEITH, SOUTH WAIKATO DISTRICT	Chemical, Biohazard, Radioactive Incident	Information not recorded
28/02/2015	Manual PFA Call	Commercial, Retail, Manufacturing, Storage EAST TAMAKI, AUCKLAND	Structure Fire	Short circuit, earth fault
28/02/2015	Automatic PFA Call	Recreational, Assembly WAIROA, WAIROA DISTRICT	Structure Fire	Unattended cooking
28/02/2015	Manual PFA Call	Health, Institutional LORNEVILLE, INVERCARGILL CITY	Structure Fire	Failure to use ordinary care

# Building Officials Institute of NZ Annual Conference & Expo 2015

19-22 April 2015, SkyCity Convention Centre, Auckland

The Building Officials Institute of New Zealand's Annual Conference and Expo is a must attend event for anyone interested in Building Controls.

## **Who Should Attend?**

Building Control Professionals

Regulatory Authorities

Building Surveyors

Government Representatives

Architects and Engineers

Builders and Developers

Anyone interested in the Regulatory Sector

As well as offering a comprehensive Technical Programme with Key Sessions including Consenting, Inspection, Fire Regulation, and Plumbing and Drainage, this event also offers a complete social programme and expo, providing attendees with the perfect environment to expand your knowledge while delivering valuable networking opportunities that will help shape your professional development.

**Registrations for BOINZ Annual Conference & Expo are open NOW!**

**Early Registrations close 1 March 2015**

**For more Information**

Please visit our website [www.boinz.org.nz](http://www.boinz.org.nz)

Or email [events@boinz.org.nz](mailto:events@boinz.org.nz)



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