



Commentary

The team at the NZFPA have been very busy working on a variety of initiatives ranging from a revised conference program through to a new CRM package and accounts platform. The board have approached the FPA Vice President Keith Blind to act as interim Executive director of the association whilst they recruit for the role in the wider market place.

We have been getting your feedback on our new look newsletter and its been great so far. We have revisited all of the membership listings and details for sprinkler and alarm contractors along with the EVAC consultants register which have now all been updated to more accurately reflect our membership base. To this end we have added a new listing for fire equipment service agents, we get a number of requests for these practitioners and we will be referring to this list as NZFPA fire equipment members, we expect this database to continue to grow.

The Fire equipment and EVAC Special Interest groups have held their representative meetings and continue to set their path for the year and the South island contractors group will have a breakfast session on the 23rd July in Christchurch with some great guest speakers on board, (Watch out for the newsflash update). The Contractors group and FPANZ have also been planning the next round of trade practises training which will be held in September so watch out for our updates as details progress..

For the Hazardous wiring seminars the attendance certificates and training material via electronic format have been released to those who attended the program so let us know if you have not yet received yours. We trust you have found this material useful in your continued education and CPD records of learning.

The 2014 Fire NZ Conference and Exhibition is well into the planning and organising space as we work on the program key tasks and sponsorships for the conference. We have also planned for the first time to provide four streams of workshops with 2 streams now being facilitated by the FPA. Those of you who have a specific interest in Passive systems and design primarily with focus on Architects and designers will be catered for and the contractors for both sprinkler and alarms will also have the chance to get in and focus on those issues around compliance and services integration.

The SFPE and IFE will have their own individual streams as well with some interactive sessions it should be a great opportunity to engage and learn.

Stands for exhibition space with early bird bookings for the exhibition are now over 85 % allocated so we have now provided additional space to cope with demand. Please contact Jenna in our office or look on the website at www.fireprotection.org.nz

Make sure that the dates of October 15– 16 at Ellerslie Events Centre in Auckland are locked in your calendars.. Our partners from previous years will be joining us again this year, including our key sponsors - WInstone /Gib, Pertronics, Vaitaulic, Tasman tank, Hilti, and a variety of others

The association has also updated the fire alarm contractors recertification program and the register of contractors have been sent their new schedule of forms to complete and return. We have a number of contractors whose certification has expired so please contact us if you have any concerns. We expect to have the new certificates to you on a timely basis as the information is returned to us for processing and updating.

We have had further feedback and new listings to work on with the fire manufacturers equipment register and will look to provide a further update on this register as we go to our new website format.

Enjoy reading this newsletter. We have reconvened the newsletter group so that newsletters become much more informative and regular! If you have any items of interest, please send details to Jenna@fireprotection.org.nz at any time. We have also included some old archive material this time as part of our 40 years of history as an association.

Keith Blind, Vice President, FPANZ

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HOFFE Group Update

Author **Lance Hunt** – HOFFE Group Chair

Hello members. It has been a hectic start to the year and we are now halfway through it already. The focus for the HOFFE members is to commit to the NZFS Fire Survey based on hand-operated firefighting equipment being used as a first line of defence.

I will be encouraging all members to support this survey which is being independently run by the New Zealand Fire Service. It would be great if we could report every newsletter on a save, and I encourage you to put forward any examples. Below is a recent event where HOFFE made a difference:

Sea Dragon Restaurant Fire

The Sea Dragon Restaurant, which is located in Commerce Street, Kaitia, had a ceiling fire during November (2013) during their busiest period. This was a result of heat transferring from the kitchen flue into the ceiling battens.

The owner only noticed the fire when the ceiling began to fall down on him. Thankfully he had two portable fire extinguishers in his kitchen. The kitchen was equipped with a 3.5lt wet chemical extinguisher which was used to extinguish the vat which had ignited. The ceiling was also alight, so the remaining dry powder fire extinguisher was used to help contain the fire in this area of the building, thereby allowing sufficient time to get his 4 staff members out of the building.

The police were next on the scene with the Fire Service arriving 20 minutes later (their building is located 200m away!). The owner has thanked their service agent for insisting that he have his fire equipment serviced annually – he stated this was what had saved his building from being a total loss. With the use of his fire extinguishers and fire hose reel, he was able to evacuate the building, slow the spread of the fire and limit the damage to his premises.

The Sea Dragon Restaurant was out of action for more than three months while the ceilings and the roof were repaired and the cleaning up was carried out, but both the people and building were saved.

You know what the answer will be if you asked the owner about the value of Hand Operated Fire Fighting Equipment, don't you?

Evacuation Consultants Group Update

Author **Jenny Maxwell** – EVAC Group Chair

Myth Busting: Human Behaviour in Fire

Fire engineering of public buildings prior to the 1970s was seen as a technical matter, concerning calculations of how many people could fit through a doorway at once, and how far people would have to move to get the nearest exit. A growth in consideration of the psychological aspects of human behaviour in fires has led to the realisation that human safety depends as much on the behaviour during the fire as it does the technical aspects.



- **Myth: People “panic” in fires**
In the fire field, it was suggested that the concept of panic is a myth meant to blame the outcome of a tragedy on the occupants when in fact the building design or its management were possibly at fault. Flight behaviour should not be confused with panic. Flight can be the appropriate response in the face of danger.
- **Myth - People will start to move as soon as an alarm sounds**
Actual evacuation is not immediate. The time taken to decide to evacuate is usually the longest period in the entire evacuation.
- **Myth - People are more likely to move towards their nearest exit**
People will favour using a familiar exit door, or route, over using a “fire exit”, even if the familiar exit door is further away or the route is longer than the emergency exit. This instinct to not use emergency exits is increased if the emergency exit doors are never used, or not allowed to be used, for general use.
- **Myth – Fire re-entry is uncommon**
Fire re-entry is common, especially by men. The main reason given for this is to fight the fire, followed by retrieval of personal property, checking on the fire, notifying others, assisting the fire department, and retrieving pets.
- **Myth – Men are more likely to fight better**
Women are less likely to become fatalities. There are gender differences in common actions in fire, with men more likely to investigate the fire and attempt to fight the fire, while women are more likely to warn others, including family and fire departments, as well as being more likely to leave the building.

Fire safety training makes a difference to behaviour. People trained in fire safety are more likely to engage in raising the alarm or evacuating the building as a first action in a fire. Fires producing fire deaths are likely to involve a greater proportion of people who have never been trained in fire safety.

Brennan, P., & Thomas, I. (2001). Injuries and Fatalities in Fires: A Continuum?. Iafss.org. Retrieved 27 June 2014, from <http://www.iafss.org/publications/aofst/5/351/view>

Chalmers, A. (2000). Improving the Fire Safety Knowledge and Practices of Vulnerable Groups. NZ Fire Service. Retrieved 27 June 2014, from <http://www.fire.org.nz/Research/Published-Reports/Documents/adc8c14225edaaa073b5a36f2f8b1ad8.pdf>

Fahy, R., & Proulx, G. (2009). 'Panic' and human behaviour in fire. National Research Council Canada. Retrieved 10 March 2014, from <http://archive.nrc-cnrc.gc.ca/obj/irc/doc/pubs/nrcc51384.pdf>

Halon Recycling N.Z. Ltd Update

Author **R.J. Fraser**

Halon recovery for safe environmental disposal – possible new regulation

The Ministry for the Environment has issued an invitation for submissions on “Priority Waste Streams for Product Stewardship Intervention.” This consultation’s scope includes Greenhouse gas Refrigerant Materials, Halon 1211 (BCF), and Halon 1301 (BTM).

While the Ministry acknowledges that FPA NZ-owned Halon Recycling NZ Ltd has been active, they have not acknowledged the substantial progress made to date which is the safe environmental destruction of 48,000 kg of Halon, and the recovery of 13,000 kg of Halon 1301 for essential-use recycling.

The bad news for residual Halon owners is that future shipments for destruction will be at increased cost due to the relocation of the Australian destruction plant and a new Contractor.

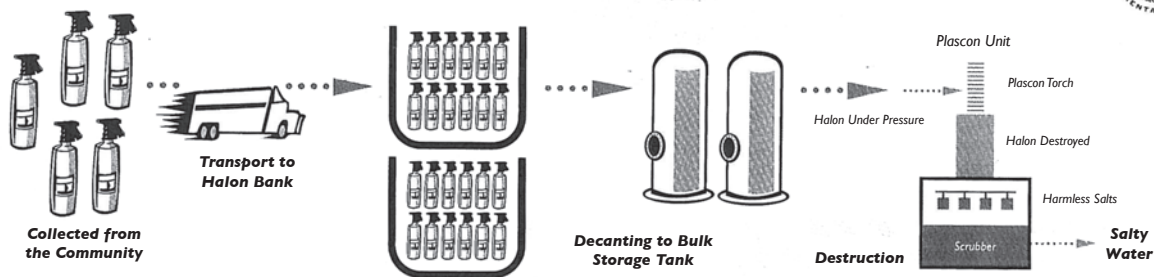
On the bright side, however, we do have strong support from the Australian Ministry for the Environment to continue our efforts to safely dispose of all residual Halon.

Proof of the contribution from our two Industries (Fire Protection & Refrigeration) in Australia & New Zealand) was no hole in the Ozone Layer over Antarctica last summer.

There is now no Halon material or transfer plant available in New Zealand to sustain any “Servicing Operation” nor any remaining system hardware.

All Halon hand operated fire extinguishers and Gas Flood systems will need to be decommissioned to meet proposed new regulations, with disposal by “safe environmental” destruction. This is only available through Halon Recycling Ltd using the unique destruction process provided in Australia as illustrated below

WHAT HAPPENS TO HALON EXTINGUISHERS:



Halon is the gas found in yellow fire extinguishers. It is one of the most aggressive destroyers of the Earth's protective ozone layer. The community still holds many of these old extinguishers in homes, cars, caravans, boats, sheds, workshops and farms. To prevent further damage to the ozone layer, DASCEN collects these extinguishers from the community and transports them to the DASCEN Halon Bank Facility where they are securely stored.

At the Halon Bank Facility, DASCEN uses a specially designed system to efficiently remove the halon from the extinguishers. The recovered halon is filtered, separated and tested for contaminants before being decanted to bulk storage tanks prior to destruction.

From the bulk storage tanks halon is fed under pressure to the PLASCON Unit for safe destruction. The PLASCON process uses temperatures of more than 10,000°C to completely break the halon down to its constituent atoms. Special treatments convert these atoms to harmless salty water. The salty water is then returned to the ocean.

FPA NZ Passive Group Update

Author **Ron Green** – Passive Group Chair

A team from the Passive Group are working on the framework for a Code of Practice that will be a tremendous help to assist in the area of Passive Fire Protection. The document will not be a silver bullet, it will be a generic document that will clarify what is required for many systems and inform what practices will not achieve compliance.

MBIE have also requested that the Association of Building Compliance work on a Code of Practice for the inspection of

Fire and Smoke Separations as part of the BWOFF regime. This also will be a document that many will be able to contribute to with a lot of work to be completed.

As I travel around New Zealand undertaking inspections and peer reviews for BCA's for Fire Separations, it is clear that Passive Fire Protection is still miss understood and completed by untrained personnel who don't understand what they are doing. This has to change and the Passive SIG Group will be doing what they can do to change the current practice.

Protection from Fire and Backcountry Huts - Changes on their way.

The Protection from Fire Acceptable Solutions and Verification Methods amendment was published 1st June 2014. Full details are included below:

Protection from Fire and Backcountry Huts - Changes to C/AS1-C/AS7(Amendment 3), C/VM2 (Amendment 4) and BCH/AS1 Amendment 1

After consultation with the sector earlier this year, MBIE has implemented practical solutions to remedy compliance issues that designers and councils were finding when they applied C/AS1-C/AS7 and C/VM2 to building designs.

These changes will simplify construction and reduce compliance costs but will not reduce fire safety.

- Read the updated Acceptable Solutions and Verification Methods for Protection from Fire at www.dbh.govt.nz/bcupdate-158
- Read a summary of the key changes to the Acceptable Solutions C/AS1- C/AS7 and the Verification Method C/VM2 at www.dbh.govt.nz/bcupdate-158

The Acceptable Solution for Backcountry Huts, BCH/AS1 has been updated to reflect changes that came into force with the 2012 Building Code clause amendments to C1-C6 Protection from Fire.

From the MBIE WEBSITE Acceptable Solutions and Verification Methods:

Acceptable Solutions and Verification Methods provide ways to establish compliance with the performance requirements of the Building Code. The Acceptable Solutions do this by giving specific construction details that are deemed to provide Building Code compliance. The Verification Methods provide methods of testing or calculation that will result in Building Code compliance.

Acceptable Solutions and Verification Methods are published together in separate documents that each relate to a particular clause or clauses of the Building Code.

'Compliance Document' had a particular meaning in the Building Act 2004 in relation to documents issued by MBIE. However, through an amendment to the Act in November 2013, that collective term was replaced by the terms 'acceptable solution' and 'verification method'.

Acceptable solutions (AS) and verification methods (VM) had already been in existence within the compliance documents issued by MBIE.

'Compliance Documents' will continue to be available until they are updated. The acceptable solutions and verification methods they contain will continue to be an acceptable standard of compliance with the Building Code.

MBIE may change Acceptable Solutions and Verification Methods at any time. You should check the record of amendments for these changes, or MBIE's publications Codewords and Building Controls Update.

You can download Acceptable Solutions and Verification Methods at www.dbh.govt.nz/compliance-documents

The documents relating to each Building Code clause, containing the Acceptable Solutions and Verification Methods for that clause, are arranged alphabetically. The Backcountry Huts and the Simple House Acceptable Solutions are given after Clause H1 'Energy Efficiency'.

Event Schedule 2014

23rd July 2014	Member/ Board / Council Meeting	Christchurch
8th August 2014	Passive Group Meeting	Auckland
21st August 2014	EVAC Meeting	Auckland
September 2014	Trade Practice Seminars	Regional Locations
16th September 2014	EVAC Meeting	Auckland
10th October 2014	Passive Meeting	Auckland
15th - 16th October	FireNZ Conference and Exhibition	Auckland
14th - 16th October 2014	HOFPE Meeting	Auckland
13th November 2014	EVAC Meeting	Auckland
19th November 2014	Member / Board / Council Meeting	Wellington

Fire formal interpretations



24 June 2014

FI-114

NZS 4512:2010 *Fire detection and alarm systems in buildings* – Clause 109 and Appendix L

Question:

Clause 109 defines requirements for workmanship, competency, and qualifications. It states that 'equivalent qualifications' to the NZQA qualifications listed in the NOTE 'shall be permitted', and that Appendix L provides guidance for assessment of this, however Appendix L does not refer to inspection.

Clause 109 NOTE (3) states that the applicable qualification for inspection is the New Zealand Qualifications Authority National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4).

- (1) While Appendix L does not include reference to inspection activities, can Appendix L be applied to assessment of equivalent qualifications for inspection (clause 109, Note 3)?
- (2) If so, is it acceptable for technical experts to determine appropriate 'equivalent' qualifications as they are encountered, using Appendix L? Or are you able to provide guidance regarding the types of qualifications that might be appropriate?

Interpretation issued by the Alarms and detection group:

- (1) Appendix L gives guidelines for establishing the acceptability of a particular installer signatory. While not directly applicable to the inspection staff of an Accredited Inspection Body (AIB), the underlying principles of Appendix L could be used to assess an AIB inspector who has qualification(s) other than NZQA National Certificate in Fire Protection Systems Technology (Inspection & Testing) (Level 4).
- (2) Yes, it is appropriate to use Appendix L to determine 'equivalent' qualifications for AIB inspection staff per (1) above. Alternatively an internationally recognised accreditation body could establish other processes to achieve this objective. For the purposes of NZS 4512, any reasonable approach that satisfies the requirements of an overarching AS/NZS ISO/IEC 17020 (Type A) accreditation will satisfy the requirements of NZS 4512.

NOTE – The routine 'inspections' of section 6 (performed by a contractor) are not the same as the 'inspection' of Appendix J (performed by an Accredited Inspection Body in accordance with clause 506).

Ministry of Business, Innovation and Employment Post-disaster Building Management Guidance Release

MBIE has launched two guides and accompanying FAQs for building professionals on assessing buildings following emergencies such as earthquakes or flooding disasters. These guides were developed in response to the Canterbury Earthquakes Royal Commission's recommendations around changes related to rapid building safety evaluations after a disaster. The guidance also allows for a more effective and efficient response in future events.

The key change is the shift away from the 'traffic light' system of red, yellow, and green placards to indicate the condition of a building. The colours that will instead be used are red, yellow, and white. Red means entry to the building is prohibited; yellow means restricted access; and white means light or no damage.

The Canterbury earthquakes showed that people assumed a green placard meant the building had no issues. In reality, it meant that on visual inspection the building could be used, but should have used further detailed evaluation. The new white placard will indicate that the building is poses low risk, but it does not necessary mean it is safe.

Other changes to New Zealand's emergency building management arrangements are the training of a core group of building experts and emergency managers to act as 'on-call' assessors, and amendments to the Building Act to strengthen its emergency provisions. These new systems, manuals, and training mean New Zealand will be much better prepared to deal with building safety issues in the event of a future disaster.

Avoiding False Alarms

Author **Sean Robertson** –
Technical Manager, Automatic Fire Alarm Monitoring Limited

It seems that every few weeks, we see another piece in the news about a building fire – a restaurant, a factory, a warehouse. Words like “ablaze”, “engulfed”, and “completely destroyed” appear often. Reported damages often run into millions. Businesses often fold after a fire – every day that they are offline is a day that their customers are finding a competitor to meet their needs.

In most cases*, the fire brigade receives a call within 5 minutes of discovering the fire. However, many things can delay the discovery of a fire; for example, the building might be unoccupied (like many office buildings and warehouses after hours). Delays in calling the brigade can also happen due to occupants investigating and/or fighting the fire, or even escaping the building. A direct brigade connection eliminates all of these potential delays by sending an alarm message to the brigade immediately on detection without requiring the delays of human intervention.

Fire alarms help - buildings fitted with fire detection systems suffer less damage, as both the expected fire size and damage where the building has an automatic fire detection system are less than a third of those buildings without. However, the faster fire detection of a fire alarm system and the occupants reacting to the alarm, rather than the fire, results in the reduction in brigade call times. A direct brigade connection eliminates even the alarm reaction time, alerting the brigade even as the evacuation begin to sound.

Sprinkler systems show a similar reduction in both fire size and damage, to less than half that of similar buildings where sprinklers were not fitted. However, the function of a sprinkler system is normally to contain a fire (rather than extinguish it),

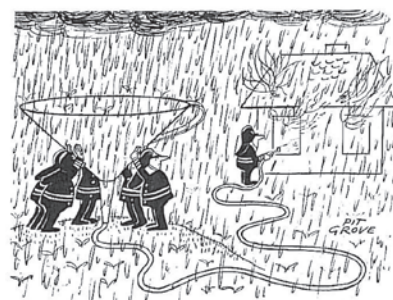
Fire in Nelson Hospital Mental Health Admission Unit

A client on the premises lit a fire in a rubbish bin which then caused curtains to alight.

The smoke detector (non barricade) activated the warning system. An employee at the premises investigated, saw there was a fire operated a manual call point (brigade connected) and went to get a fire extinguisher. (textbook stuff).

When he returned with the fire extinguisher the fire had been extinguished by the sprinkler system.

The fire service attended the scene and turned off the sprinkler system after these events took place.



and a call to the brigade still needs to be made as soon as possible. Again, a direct brigade connection eliminates any delay by alerting the brigade as soon as the water begins to flow.

It is true that as detection sensitivity increases, so to do false alarms increase. The best solution is to eliminate false alarms, by having alarm systems that fit both the type and purpose of the building – there is little point in having a smoke detector directly outside a kitchen or bathroom, where it will often activate from the steam produced by a shower or the byproducts of cooking! However, a thermal detector in the same scenario should not alarm until there is a genuine.

The major downside of false alarms is that it results in the brigade being turned out unnecessarily; and if this happens too often, can result in an invoice from the New Zealand Fire Service. However, we have seen some success in getting these false alarm callout invoices reversed when we have been able to show that the people responsible for the fire alarm systems are genuinely working to eliminate or minimize false alarms, such as changing inappropriate detectors, or updating older fire equipment.

Damage reduced by	Less Damage
Firefighting actions by occupants (extinguishers/hoses)	65%
Sprinklers Installed	51%
Fire Alarms Installed	72%

* Based on research conducted by P.G. Holborn, P.F. Nolan, and J. Golt in 2003/04, using real fire data from over 2000 fires investigations conducted from 1996 to 2000 provided by the London Fire Brigade.

Based on research conducted by P.G. Holborn

FPANZ Membership update 2014 - 2015

FPANZ has fully redesigned their membership structure and now offers a more flexible range of membership options from Personal, to Corporate and Organisational categories.

So what's changing and when?

There are a number of exciting changes in the area of membership to FPANZ. We have been in contact with a number of key stakeholders for feedback on the services FPANZ provides to members, and the services members wanted added or improved on.

With this in mind, we have moved the membership to a more structured tier-type model. This gives members the flexibility to select the tier that is most applicable to their business model, and to the level of FPANZ benefits required.

The three main types of membership are now **Personal**, **Corporate** and **Organisation**.

Under these three main types of membership there are sub-tiers of membership. There are now benefits and costs to suit businesses of all sizes within the fire protection industry. This structure enables businesses to decide their level of engagement and support with the Fire Protection Industry and FPANZ.

There are also personal subscription memberships for individuals who wish to stay in touch with the industry via the FPANZ newsletter and website.

FPANZ is pleased to announce that there will also be a number of changes to the Fire Protection Association branding and the current services offered to the industry. These changes will be phased in over the coming months and promise to deliver even greater benefits to FPANZ members and the fire protection industry of New Zealand, and to help raise the profile of the industry and FPANZ members in the wider community.

Applications for all types of membership can be made online and we will be holding a series of conference calls this month to update members on the program and answer any questions that you may have. Some of the key areas of benefits and new information are listed below

- Discount on FPANZ Sales Centre Items / Online Shopping
- Newsletters & Electronic Updates
- Discount on Conferences, Seminars & Workshops
- Certificate of membership
- Vouchers – FPANZ
- Firetech Learning & Development Discounts
- Membership Portal Access on website
- Membership cards
- Positions in Special Interest Groups
- Council Nominations
- Magazines
- Eligibility for Certified Contractor Status
- Use of FPANZ Logo on Stationery, Website & Business Cards / Vehicles
- Codes of practice documents and Evidence
- Receive discount on newsletter & magazine advertising
- Fire Equipment Register access
- Priority Exhibition Opportunities
- Priority Seminar Sponsorship Opportunities
- Key Supplier rebates/discounts

These benefits available are significantly updated and with more variety as we have linked in with a number of other key suppliers and industry groups such as Firetech, n3, ideal electrical, travel suppliers and others.

For us engagement with all stakeholders continues to be a focus as we strive to work with people operating in all sections of our industry.

We acknowledge that as we continue on this journey that many fire equipment operators and others around the country are not involved or members of the association so to help bridge this gap the Fire Equipment SIG group have kindly agreed to promote the new benefits of membership.

To many members the cost of membership can be less but we would encourage you to look at the six new categories of membership going up on our website in the next few weeks that gives you, our members the opportunity to select your level of engagement and associated benefits.



Did You Know...

We have a document which was recently released in the UK from the Department for communities and local government (Fire and Rescue national statistics) which is of interest to a variety of stakeholders in our community

There were 275 fire fatalities in England in 2013-14. These were 14 (5%) fewer than in 2012-13 and 39% lower than in 2003-04.

- Two thirds of all fire fatalities were in accidental dwelling fires (181 in 2013-14). While these were 6 higher than in 2012-13, this is the second lowest number recorded and more than a third lower than in 2003-04.

- In 2012-13, there were 3,600 hospital non-fatal fire casualties. These were 5% and 55% fewer than one year and ten years earlier respectively.
- Local authority fire and rescue services attended 170,000 fires in England in 2013-14. This is the second lowest number of fire incidents recorded. The record low number of fires in 2012-13 was the result of fewer outdoor fires, due to above average rainfall that year.
- In 2013-14, local authority fire and rescue services attended 223,400 fire false alarms and 130,600 non-fire incidents – 4% and 3% fewer than the previous year respectively.



Firetech Training Limited

Providing Nationwide Education
& Training in Fire Systems

COMPETENCE BASED ASSESSMENT (CBA)

Aimed at those with extensive, 5 to 7 years relevant industry experience, the CBA consists of a series of theory and practical assessments resulting in a National Certificate at Level 3 or 4.

FIRETECH TRAINING offer CBA for the following National Certificates:

- NC in Fire Detection and Alarm Systems L4
- NC in Fire Detection and Alarm Systems – Testing L3
- NC in Fixed Fire Protection Systems L4
- NC in Fixed Fire Protection Systems – Installation L3
- NC in Fixed Fire Protection Systems – Testing L3
- NC in Hand Operated Fire Fighting Equipment L3
- NC in Fire Protection Systems Inspection and Testing L4
- NC in Passive Fire Inspection – Routine Inspections L3

Applicants will need to contact Firetech Training Managers for a quote as the cost will vary depending on previous credits that have been registered or any other relevant qualifications.

Jim Kelly: 021 560 161

Nigel Robinson: 027 562 3408

Private Box 302-388 North Harbour 0751 Auckland Ph: 0800 34738324 or 09 444 4242 Fax: 09 448 0448 Email: info@firetech.co.nz

Fire Industry Building Unit A, 2 Rutland Avenue, North Harbour – Website: www.firetech.co.nz



Firetech Training Limited

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ASSESSMENTS
For a chance to win!*



MIGHTY ape

For every assessment
submitted from today till 30th
of September 2014, you will
receive one entry in the draw
to win one of three \$100
Mighty Ape Gift Voucher

CONFERENCE & EXHIBITION



RISK & *responsibility*

15 – 16 OCTOBER | AUCKLAND
ELLERSLIE CONVENTION CENTRE

DIARISE THESE DATES

**No matter what role you have in the industry,
the ongoing story for us all is the responsibility to mitigate the risk of fire.**

This Year's FireNZ Conference and Exhibition theme seeks to interrogate the risks and responsibilities we encounter in ensuring the safety of our communities from fire. The Fire Industry's primary role is to mitigate risks, but in doing so may expose practitioners to a higher level of risk than most other professions.

As we continue to improve outcomes for our clients with alternative solutions and new technologies, if a fire occurs, could the assumptions underpinning design and system installations stand up to being challenged?

Who decides how much risk is acceptable? How far should we go?

Which tools and systems should we use to quantify and minimise these risks?



Conference UPDATE

We have been very busy working to get our activities planned and developed to ensure we get a wider audience this year.

We have now for the first time set up a 4th stream to provide a forum for Architects to attend the conference under a CPD profiled program. This will have a focus on planning and system design for passive fire systems. FPANZ see this as a great opportunity to engage with a variety of stakeholders.

Who Should Attend?

The Fire NZ conference is a two day event and will provide a comprehensive national forum for fire protection professionals. If you have an interest in fire safety, you should attend. The Conference will provide information for, amongst others:

- Fire Protection Contractors
- Fire Consultants
- Fire engineers
- Architects
- Building Surveyors
- Property Developers
- Distributors and Installers
- Insurance Professionals
- Fire Equipment Manufacturers
- Fire Survey Personnel
- Regulatory Authorities
- Fire Service Operational and Volunteer Personnel
- Fire Risk Management Personnel
- Property and Facilities Managers



CONTRACTORS BREAKFAST SESSION

We are also encouraging contractors and their staff to attend the exhibition with a particular focus on technicians and supervisors to come along for a free breakfast and exhibition access on Day 2 (16th October, commencing 6.40 am and finish by 8am) to meet the team, review the exhibitors' offerings and also hear from Firetech and Competenz what is happening in the training space. We expect this event to be well attended, so please send your expected staff numbers to Jenna@fireprotection.org.nz for catering purposes.

Also involved will be Hilti as a key sponsor and tools supplier, offering up the chance to test their tools and your skills on their customised trailer workshop. We will also be giving away some Hilti product as prizes, so be in to win!

Continued Professional Development

The NZFPA supports the concept and practice of Continuing Professional Development for members which is essential to effective performance and continuing improvement of personal knowledge.

The NZFPA believes it has a duty to ensure the highest standards of performance in fire practitioners remains. CPD creates an environment in which competence and professional behaviour is expected from its members. The NZFPA defines CPD as "The systematic maintenance, improvement and broadening of knowledge and skills in the development of personal qualities necessary for the execution of professional and technical duties throughout the members working life".

There are three fundamental reasons for carrying out CPD:

- To demonstrate that existing knowledge and skills are being regularly refreshed, in order to maintain existing competency.
- To acquire new knowledge and develop more skills necessary in order to keep up with industry developments .
- To acquire new underpinning knowledge and skills that may be necessary for career development.

The FPANZ is also facilitating a series of best practises workshops helping members to ensure that their staff are suitably informed on relevant issues that affect their business and can avert the need to rework poor installation methodologies

To this end, the NZFPA and its partners will be arranging attendance CPD certificates for the Fire NZ 2014 conference. These are only available to delegates attending the full two days and / or the workshop sessions on day one.



A.F.P.A. MONTHLY BULLETIN



AUSTRALIAN FIRE PROTECTION ASSOCIATION

(A non-profit technical and educational organisation to safeguard life and property against fire.)

40 Chetwynd Street, West Melbourne, Victoria, 3003.

Chairman: Harry W. Marryatt

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30 JUN 1975

No. 163, April, 1975

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AUTOMATIC DETECTION AND PROTECTION SYSTEMS—PART 3

Several Significant Trends

Reference should be made to several trends which will have an important bearing on the record of automatic sprinkler systems in the future. These trends have been disclosed by an examination of the reports on fires over the past five years.

The first point is that in the occupancies in which safety to life is of paramount importance, such as tall buildings, institutions, hotels, hospitals, etc., there has been only one case in which a life has been lost, this being where the victim suffered contact burns through igniting the upholstery of a chair. From the point of view of property protection, there was no case in which the automatic sprinkler system failed to control the fire with minor damage.

Another point regarding safety to life in sprinkler protected buildings is that in the 87-year period only six people lost their lives; five of these were caught in a "flash" fire or explosion.

Because of the increase in hazardous manufacturing processes the tendency has been for a larger number of sprinkler heads to be involved in an increasing percentage of fires. For example, the percentage of fires involving more than ten sprinkler heads in operation between 1886 and 1968 was 2.6 per cent. This increased by nearly 50 per cent in the following five years.

As might be expected, the number of fires involved in high piled storage has increased rapidly in recent years. In one of these performance was unsatisfactory because the system concerned was designed prior to the introduction of the 29th edition of the FOC Rules.

Another important aspect of automatic sprinkler performance in regard to which there is still considerable misunderstanding involves the use of water on flammable liquids. The records show that automatic sprinkler systems have effectively controlled and in many cases extinguished fires involving a wide range of flammable liquids, from highly volatile solvents such as acetone to molten paraffin wax.

There were over six hundred fires in which flammable liquids were involved and in no case was sprinkler performance unsatisfactory. It is important, however, to distinguish between spill fires and flammable liquid in depth; for the latter, it is desirable to use specialised spray systems rather than standard automatic sprinkler systems.

There is another trend which is very

disturbing. The percentage of fires of incendiary origin increased by no less than 350 per cent in the last five years of the 87-year period. For the first time, an arsonist had sufficient knowledge to turn off the sprinkler system before setting the fire. Thus it will become increasingly desirable to automatically monitor vital operating parts of automatic sprinkler systems, such as valves, alarms, pumps and tanks.

Misunderstanding on Water Damage

The question of water damage should now be considered as this, like the use of water on flammable liquids, is still the subject of considerable misunderstanding. There are two aspects here.

The first is the question of water damage due to premature operation when there is no fire. The figures published annually for water damage claims showed that the average for the whole of Australia for the twenty years to 1967 was less than \$70,000 p.a.

The next point concerns water damage as a result of sprinkler heads operating in a fire. In approximately two-thirds of fires in Australia and New Zealand where automatic sprinkler systems have been involved, one sprinkler head only has been required to extinguish or control the fire; in 82 per cent of cases two or fewer heads were needed. The figure for six or fewer sprinkler heads is 94 per cent.

Under average water supply conditions it can be expected that the discharge per sprinkler head would be about 30 to 40 gallons per minute (136 to 181 litres per minute). Using two minutes per mile as the normal fire brigade response time, it will be seen that the total discharge from one sprinkler head in a building two miles from the fire station would be around 270 to 360 gallons (1227 to 1635 litres), allowing 5 minutes after arrival to locate the fire.

These figures should be contrasted to the two cases previously quoted of the fire on the seventh floor of the modern office building and the fire in the art gallery.

Perhaps the question of water damage can best be summarised by pointing out that whereas the growth of fire is exponential, that is, it increases by multiplication, water damage can only increase arithmetically—and a geometric progression will always beat an arithmetic progression. This, of course, is the key problem in regard to response time.

To summarise, the use of fire detection systems of all types must be examined

carefully in relation to the time needed to attack the fire manually after the alarm has been given. At the same time, careful consideration must be given to the hazard involved, the likely speed of development of the fire and the availability of extinguishing equipment for manual operation.

In regard to automatic sprinkler systems, the evidence is clear that if these are installed by competent people, in accordance with modern standards, with complete protection (that is, no partial protection under any circumstances), adequate attention to exposure hazards, efficient service and maintenance, and with direct alarms to fire brigade, they can give very close to 100 per cent fire safety in practically all occupancies.

The evidence is also clear that a correctly engineered and efficiently maintained extra light hazard automatic sprinkler system can give the highest possible level of safety against fire to the occupants of all residential type buildings, high rise buildings, and buildings used for public assembly.

Fifth Australian National Conference on Fire

The recently-opened Melbourne Hilton is to be the venue for the Fifth Australian National Conference on Fire from June 17 to 19 1975.

The conference, which is being sponsored by the Australian Fire Protection Association, will take as its theme "The Impact of Technology on Fire Protection". A plenary session and three parallel working sessions will look at the areas of buildings and building materials, industrial problems (including plastics and hazardous chemicals) and rural and forest fire prevention and suppression.

The full registration fee of \$90.00 includes a conference dinner, cocktail party, morning and afternoon teas and pre-release showing of the latest fire prevention films. All other meals are at delegates' expense.

Enquiries about the conference may be directed to the A.F.P.A.'s state chairmen as follows:—Messrs. G. J. Edney (Melbourne 61 001, ext. 1304), F. H. Brooke (Sydney 30 7745), A. Crump (Brisbane 25 0122), K. Rhodes (Perth 26 9444), C. P. Gabel (Hobart 30 9011) and C. S. Morphet (Adelaide 223 3033).

"A little fire is quickly trodden out; Which, being suffered, rivers cannot quench."—Shakespeare.

LISTINGS

FPANZ Certified Evacuation Consultants as at July 2014

Lara Labudde
Fire Safety & Evacuations Ltd
 PO Box 911-128
 Auckland Mail Centre
 Level 1, 2, 3, 4

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

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

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

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

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

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 99-461
 Newmarket, Auckland 1149
 Level 1, 2, 3, 4

FPANZ Certified Fire Alarm Contractors as at July 2014

Aquaheat New Zealand Ltd
 PO Box 51031, Tawa

Argus Fire Protection
 PO Box 13508
 Onehunga, Auckland

Armitage Systems Ltd
 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 1081, 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

Signatories to the FPANZ Code of Ethical Conduct entitled to use the FPANZ logo

Active Fire Consultants
 Adams Steelguard Ltd
 AFS Total Fire protection Ltd
 Amerex Fire Pacific NZ
 Argus Fire Systems Service Ltd
 Ask Metro Fire
 Auckland Independently Qualified Persons Ltd
 Auckland Transport
 Automatic Fire Alarm Monitoring Ltd
 Aware Ltd
 Black & White Fire Safety Ltd
 Building & Fire Safety Ltd
 Capital Fire Extinguishers Ltd
 Central Fire Design Ltd
 Chubb Systems & Services Ltd NZ
 Compliance Fire Protection
 Evac Chair Distributors (NZ) Ltd
 Evacuation Service Ltd
 Enlightened Solutions Ltd
 Fire & Building Compliance Ltd
 Fire & Safety Training Ltd
 Fire Exit Design Ltd
 Fire Protection inspection Services Ltd
 Fire Safety Evacuation
 Fire Safety Service Ltd
 Fire Security Services Ltd
 Fire Solutions Ltd
 Fire System Maintenance
 Firetherm (NZ) Ltd
 Firewatch New Zealand Ltd
 Firewize Services Ltd
 First Fire Systems
 Forman Building Systems Ltd
 Gillies Fire Protection Ltd
 Guardian Alarms Ltd
 HSM Group Holdings Ltd
 Kensway Fire Ltd
 Loktronic Ltd
 Masterguard Fire Protection Ltd
 National Fire Protection Ltd
 Nelson Alarms
 Nova Evacuation Service
 Oceania Tanks
 O'Donnell Griffin Fire
 Opus International Consultants Ltd
 Papinz Ltd T/A Polyphen NZ
 Parellel Fire Protection Ltd
 Phillips & Smith Ltd (PSL)
 Promat Australia Pty Ltd
 Property Brokers Compliance Ltd
 Red Alert New Zealand 2012 Ltd
 Reliance Fire Protection Ltd
 Rhino Fire Security Ltd
 Richdale Fire & Security 2012 Ltd
 Safety first New Zealand
 SkyCity Auckland
 South Pacific Fire Protection Ltd
 Spot On Fire Protection Ltd
 Steel & Tube Holdings
 Tasman PFV Ltd
 Triangle Fire Protections Ltd
 Tyco Fire Protection Products

LISTINGS

Listed Sprinkler Contractors as of July 2014

CONTRACTOR NAME	LISTING TYPE
Absolute Fire Protection Ltd	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
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
Electrotech Controls Ltd	Full
Emergency Management Solutions	Full
Emerson 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 Consultants	Provisional
Fire Solutions Limited	Full
Fire Sprinkler Installations NZ Ltd	Full
Fire System Inspections Ltd	Full
Fire System Maintenance Ltd	Full
Gillies Fire Protection Limited	Provisional
Homesafe Ltd	Full
Hudson Inspections	Full
Kensway Fire Limited	Full
LA Inspection Services Ltd	Full
Nationwide Fire Protection Ltd	Full
Nelson Marlborough Fire Services Ltd	Full
O'Donnell Griffin Fire	Provisional
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	Provisional
Ultra Fire Sprinkler Systems Ltd	Provisional
Unifire Ltd	Full
Watson Limited Fire Design Services	Full
Wormald (Tyco New Zealand) Ltd	Full

LISTINGS

Fire Extinguisher Service Agents as of July 2014

COMPANY NAME	PHONE	EMAIL/WEBSITE	LOCATION/S
Actron Fire Services Ltd	(09) 357 6767	actron@extra.co.nz www.actron.co.nz	Auckland
Argus Fire Systems Service Ltd	0800 427 487	service@argusfire.co.nz www.argus.co.nz	Whangarei, Auckland Hamilton, Rotorua Wellington, Christchurch
Capital Fire Extinguishers Ltd	04 236 6400	peter.donald@capitalfire.co.nz www.capitalfire.co.nz	Greater Wellington
Chubb Fire & Security Ltd	0800 800 535	www.chubb.co.nz	National through central contact
Complete Fire Protection Services Ltd	07 312 4494	gathomson@extra.co.nz	Bay of Plenty - East Cape, Central lakes. Offices in Whakatane & Taupo
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.firecontrolsolutions.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 114611	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
Firewize Services Ltd	(03) 544 9645	firewizeservices@extra.co.nz	Marlborough, Nelson, Tasman, Whataroa
National Fire Protection (2006) Ltd	(09) 473 6102	nat-fire@extra.co.nz www.nationalfire.co.nz	Auckland, Rodney
Property Brokers Compliance Ltd	0800 226 675	compliance@propertybrokers.co.nz www.propertybrokers.co.nz	Lower North Island
Richdale Fire & Security 2012 Ltd	(06) 345 0982	admin@richdales.co.nz www.rfsfire.co.nz	Wanganui, Manawatu Rangitikei District, Ruapehu District, South Taranaki
Southern Fire Protection Ltd	(03) 476 7873	southernfire@extra.co.nz southernfire.co.nz	Dunedin
Spot on Fire Protection Ltd	0800 444 700	spotonfireprotection@extra.co.nz www.spotonfireprotection.co.nz	Bay of Plenty
Spot on Vital Fire Protection & Compliance Ltd	0800 428 758	spotonfire@ihug.co.nz	Waikato
Westland Fire Equipment (2006) Ltd	(03) 762 5609	wfe2006@extra.co.nz	South Island West Coast -South Karamea to Haast
Wormald (NZ) Ltd	08004 9676253	Wormald.questions.nz@tycoint.com www.wormald.co.nz	National

FPANZ Recorded Fire Saves for June/July 2013

1/06/2013	Automatic PFA Call	Health, Institutional	Structure Fire	NORTH DUNEDIN
1/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	HENDERSON, AUCKLAND
2/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	PORIRUA CITY CENTRE
4/06/2013	Manual PFA Call	Water Areas	Miscellaneous Fire	TAURANGA
4/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	TAUPO DISTRICT
4/06/2013	Manual PFA Call	Health, Institutional	Structure Fire	TAKAPUNA, AUCKLAND
5/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Flammable Liquid, Gas Incident	HENDERSON, AUCKLAND
5/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Chemical, Biohazard, Radioactive Incident	SOUTH WAIKATO DISTRICT
5/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	TIMARU DISTRICT
6/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Miscellaneous Fire	WHANGAREI DISTRICT
6/06/2013	Manual PFA Call	Residential	Structure Fire	AUCKLAND CENTRAL
7/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Chemical, Biohazard, Radioactive Incident	SOUTH WAIKATO DISTRICT
8/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	CHRISTCHURCH CITY
8/06/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Mobile Property Fire	SOUTH WAIKATO DISTRICT
9/06/2013	Manual PFA Call	Health, Institutional	Structure Fire	CHRISTCHURCH CITY
9/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	CHRISTCHURCH CITY
9/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	GISBORNE DISTRICT
10/06/2013	Automatic PFA Call	Health, Institutional	Structure Fire	HASTINGS DISTRICT
11/06/2013	Automatic PFA Call	Recreational, Assembly	Electrical Hazards	LOWER HUTT CITY
12/06/2013	Manual PFA Call	Residential	Structure Fire	TIMARU DISTRICT
14/06/2013	Automatic PFA Call	Residential	Structure Fire	DUNEDIN CITY
14/06/2013	Automatic PFA Call	Educational	Flammable Liquid, Gas Incident	AUCKLAND CENTRAL
14/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
14/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	FREEMANS BAY, AUCKLAND
14/06/2013	Manual PFA Call	Utilities, Disposal	Structure Fire	HAYWARDS, LOWER HUTT CITY
15/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	ROSEDALE, AUCKLAND
16/06/2013	Automatic PFA Call	Residential	Structure Fire	WELLINGTON CITY
17/06/2013	Automatic PFA Call	Educational	Structure Fire	MAEROA, HAMILTON CITY
17/06/2013	Other PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	NEW PLYMOUTH DISTRICT
18/06/2013	Manual PFA Call	Educational	Structure Fire	KELBURN, WELLINGTON CITY
19/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	HAMILTON CITY
19/06/2013	Automatic PFA Call	Health, Institutional	Structure Fire	TAURANGA CITY
20/06/2013	Manual PFA Call	Health, Institutional	Electrical Hazards	KAPITI COAST DISTRICT
21/06/2013	Automatic PFA Call	Utilities, Disposal	Structure Fire	HAYWARDS, LOWER HUTT CITY
21/06/2013	Automatic PFA Call	Residential	Structure Fire	MARLBOROUGH DISTRICT
22/06/2013	Manual PFA Call	Utilities, Disposal	Structure Fire	SOUTH WAIKATO DISTRICT
23/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	MATAMATA-PIAKO DISTRICT
23/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WAINGAWA, CARTERTON DISTRICT
23/06/2013	Automatic PFA Call	Health, Institutional	Structure Fire	LYNMORE, ROTORUA DISTRICT
23/06/2013	Manual PFA Call	Residential	Structure Fire	WELLINGTON CITY
24/06/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	KAITIA, FAR NORTH DISTRICT
24/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Miscellaneous Hazardous Condition	SOUTH WAIKATO DISTRICT
24/06/2013	Automatic PFA Call	Educational	Structure Fire	BELLEVUE, TAURANGA CITY
25/06/2013	Manual PFA Call	Not Recorded	Structure Fire	GLENBROOK, AUCKLAND
25/06/2013	Sprinkler PFA Call	Health, Institutional	Structure Fire	GATE PA, TAURANGA CITY
25/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Miscellaneous Hazardous Condition	KINLEITH, SOUTH WAIKATO DISTRICT
25/06/2013	Automatic PFA Call	Health, Institutional	Structure Fire	NEW PLYMOUTH DISTRICT
26/06/2013	Manual PFA Call	Educational	Structure Fire	WELLINGTON CITY
26/06/2013	Manual PFA Call	Educational	Structure Fire	LEVIN, HOROWHENUA DISTRICT
27/06/2013	Automatic PFA Call	Educational	Structure Fire	CHRISTCHURCH CITY
27/06/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	ROKAWA, TAUPO DISTRICT
27/06/2013	Automatic PFA Call	Residential	Structure Fire	AUCKLAND CENTRAL
27/06/2013	Manual PFA Call	Residential	Structure Fire	LOWER HUTT CITY
28/06/2013	Automatic PFA Call	Residential	Structure Fire	WELLINGTON CITY
28/06/2013	Manual PFA Call	Residential	Structure Fire	AUCKLAND CENTRAL
29/06/2013	Automatic PFA Call	Health, Institutional	Electrical Hazards	TAUPO, TAUPO DISTRICT
30/06/2013	Other PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	MOUNT WELLINGTON, AUCKLAND
1/07/2013	Automatic PFA Call	Recreational, Assembly	Structure Fire	ORAKEI, AUCKLAND
1/07/2013	Automatic PFA Call	Residential	Structure Fire	DUNEDIN CITY
1/07/2013	Manual PFA Call	Health, Institutional	Structure Fire	TAURANGA CITY
1/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	TAKAPUNA, AUCKLAND
1/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	SOUTH WAIKATO DISTRICT
2/07/2013	Manual PFA Call	Health, Institutional	Structure Fire	PORIRUA CITY
2/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	AUCKLAND
2/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY

FPANZ Recorded Fire Saves for June/July 2014

3/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	NEW PLYMOUTH DISTRICT
4/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Flammable Liquid, Gas Incident	
4/07/2013	Manual PFA Call	Residential	Structure Fire	WAIKATO DISTRICT
5/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	AUCKLAND
5/07/2013	Automatic PFA Call	Recreational, Assembly	Structure Fire	CHRISTCHURCH CITY
7/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	CHRISTCHURCH CITY
7/07/2013	Manual PFA Call	Recreational, Assembly	Miscellaneous Fire	GISBORNE DISTRICT
8/07/2013	Manual PFA Call	Educational	Structure Fire	MANUREWA, AUCKLAND
8/07/2013	Manual PFA Call	Residential	Structure Fire	DUNEDIN CENTRAL, DUNEDIN CITY
8/07/2013	Automatic PFA Call	Recreational, Assembly	Structure Fire	MOUNT COOK, WELLINGTON CITY
9/07/2013	Other PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
9/07/2013	Manual PFA Call	Residential	Structure Fire	KAITIA, FAR NORTH DISTRICT
11/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Flammable Liquid, Gas Incident	PAIHIA, FAR NORTH DISTRICT
11/07/2013	Manual PFA Call	Not Recorded	Not Recorded	
11/07/2013	Automatic PFA Call	Not Recorded	Not Recorded	MOUNT WELLINGTON, AUCKLAND
11/07/2013	Automatic PFA Call	Not Recorded	Not Recorded	WELLINGTON CITY
12/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
13/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
13/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Miscellaneous Fire	MOUNT WELLINGTON, AUCKLAND
13/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	ELLERSLIE, AUCKLAND
14/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WAINGAWA, CARTERTON DISTRICT
14/07/2013	Manual PFA Call	Residential	Structure Fire	MOUNT WELLINGTON, AUCKLAND
14/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
14/07/2013	Automatic PFA Call	Residential	Structure Fire	TAKANINI, AUCKLAND
14/07/2013	Other PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	WELLINGTON CITY
14/07/2013	Sprinkler PFA Call	Not Recorded	Structure Fire	NEW PLYMOUTH DISTRICT
15/07/2013	Automatic PFA Call	Residential	Structure Fire	AUCKLAND AIRPORT, AUCKLAND
15/07/2013	Sprinkler PFA Call	Utilities, Disposal	Structure Fire	MOUNT WELLINGTON, AUCKLAND
15/07/2013	Sprinkler PFA Call	Residential	Structure Fire	WAIKATO DISTRICT
16/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	MOUNT MAUNGANUI,
16/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	HOROTIU, HAMILTON CITY
16/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	ROSEDALE, AUCKLAND
17/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Mobile Property Fire	DUNEDIN CITY
17/07/2013	Manual PFA Call	Residential	Structure Fire	SOUTH WAIKATO DISTRICT
18/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
19/07/2013	Automatic PFA Call	Not Recorded	Structure Fire	HAMILTON CITY
19/07/2013	Manual PFA Call	Educational	Structure Fire	WELLINGTON CITY
19/07/2013	Manual PFA Call	Health, Institutional	Structure Fire	PALMERSTON NORTH CITY
20/07/2013	Sprinkler PFA Call	Recreational, Assembly	Structure Fire	GRAFTON, AUCKLAND
22/07/2013	Automatic PFA Call	Not Recorded	Not Recorded	PARNELL, AUCKLAND
22/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	CHRISTCHURCH CITY
23/07/2013	Manual PFA Call	Communications, Research	Structure Fire	CHRISTCHURCH CITY
23/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	LOWER HUTT CITY
23/07/2013	Manual PFA Call	Residential	Structure Fire	WELLINGTON CITY
23/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	LOWER HUTT CITY
23/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	AUCKLAND CENTRAL
24/07/2013	Automatic PFA Call	Educational	Structure Fire	PALMERSTON NORTH CITY
25/07/2013	Automatic PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	DUNEDIN CITY
25/07/2013	Manual PFA Call	Health, Institutional	Structure Fire	PALMERSTON NORTH CITY
25/07/2013	Manual PFA Call	Health, Institutional	Structure Fire	ROTORUA DISTRICT
26/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Miscellaneous Fire	HASTINGS DISTRICT
26/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	SOUTH WAIKATO DISTRICT
26/07/2013	Automatic PFA Call	Health, Institutional	Structure Fire	ROTORUA DISTRICT
26/07/2013	Other PFA Call	Educational	Structure Fire	PALMERSTON NORTH CITY
27/07/2013	Automatic PFA Call	Residential	Structure Fire	AUCKLAND CENTRAL,
27/07/2013	Manual PFA Call	Residential	Structure Fire	WELLINGTON CITY
28/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Electrical Hazards	WELLINGTON CITY
28/07/2013	Manual PFA Call	Residential	Structure Fire	HAMILTON CITY
28/07/2013	Manual PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	WELLINGTON CITY
28/07/2013	Manual PFA Call	Residential	Miscellaneous Fire	SELWYN DISTRICT
29/07/2013	Automatic PFA Call	Residential	Structure Fire	WELLINGTON CITY
30/07/2013	Other PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	ROTORUA DISTRICT
30/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	TAKAPUNA, AUCKLAND
30/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	SOUTH WAIKATO DISTRICT
30/07/2013	Automatic PFA Call	Residential	Structure Fire	AUCKLAND CENTRAL
31/07/2013	Sprinkler PFA Call	Commercial, Retail, Manufacturing, Storage	Structure Fire	DUNEDIN CITY
31/07/2013	Manual PFA Call	Communications, Research	Structure Fire	SOUTH DUNEDIN
31/07/2013	Automatic PFA Call	Residential	Structure Fire	LOWER HUTT CITY
				GRAFTON, AUCKLAND



http://www.

FPA NZ Website

As you will see from our new look newsletter, we are embarking on a rebranding and marketing campaign to raise the profile of the FPA within the industry and wider community.

We are currently working on a completely new website that will provide easier navigation, more information and updated content to FPA members and the public. There will be a members-only area for document downloads, ability for members to update their details and also shopping cart facilities to allow booking of seminars, conferences and other new products currently in the pipeline.

It has been sometime since any significant changes have been made in this area, as such we welcome and value the input of our members and any feedback on features and content that should be added to the site or improved on.

Please feel free to send your comments in to fpanz@fireprotection.org.nz

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