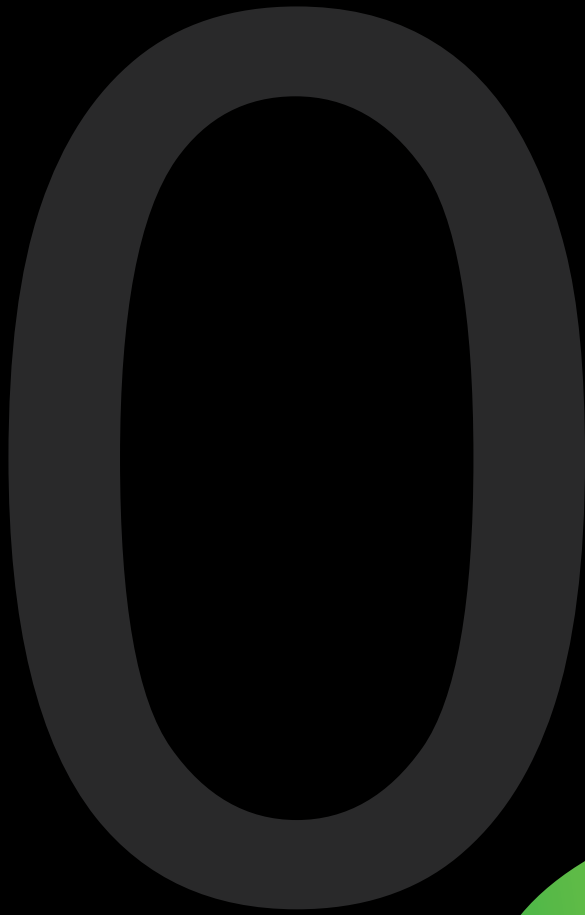




Australasian Fire and Emergency
Service Authorities Council



Annual Report



Contents

AFAC	2
AFAC Members	3
From the President	4
From the CEO	5
Financial Report	6
Goals, Objectives and Strategies	8
Priorities	9
Goal 1: Leadership and advocacy	10
Goal 2: Environmentally sustainable fire and emergency management practices	14
Goal 3: Consistent and effective approach to the provision of services	15
Goal 4: A culture that nurtures and supports knowledge creation and evidence based decision-making	16
Goal 5: A fire and emergency service sector with capability and capacity	20
AFAC Group Members	22

AFAC

The Australasian Fire and Emergency Service Authorities Council (AFAC) is the peak industry body for fire, land management and emergency service organisations in Australia and New Zealand.

AFAC was established by its members in 1993 to collaborate on matters of international, national and regional importance. By sharing each others extensive capabilities, experience and knowledge, AFAC members expect communities to benefit from the economies of scale, reduction in the duplication of effort, and strengthening of industry capability.

The AFAC Council is made up of the most senior representative of member organisations and meets twice a year to provide strategic direction. Governance oversight is provided by the Committee of Management which is elected by Council and meets bimonthly.

The work of AFAC is usually conducted through the use of a Group structure and from time to time cross functional project teams. Senior representatives of member agencies are represented on these Groups and their work includes shaping research and policy, developing national or regional positions and assisting each other with solutions that are better solved collaboratively.

Through the work of its Groups, AFAC produces policies, guidelines and positions for adoption by Council. This approach assists agencies work to achieve better levels of interoperability and greater community safety outcomes. The work of AFAC also includes special research projects of regional significance, development of training and learning resources and facilitation of collaborative purchasing and contract arrangements.

Committee of Management

Euan Ferguson AFSM, Chief Executive Officer, Country Fire Service South Australia

Neil Bibby AFSM, Chief Executive Officer, Country Fire Authority Victoria

Tony Blanks, Manager of Fire Management, Forestry Tasmania

Mike Hall, Chief Executive Officer, New Zealand Fire Service

Lee Johnson AFSM, Commissioner, Queensland Fire and Rescue Service

Greg Mullins AFSM, Commissioner, New South Wales Fire Brigades

Phillip McNamara ESM, Director General, New South Wales State Emergency Service



AFAC Members

Full Members

Australian Capital Territory

ACT Emergency Services Agency (ACTESA)

ACT Parks Conservation and Land

New South Wales

New South Wales Fire Brigades (NSWFB)

New South Wales Rural Fire Service (NSWRFS)

Forests NSW

Department of Environment and Climate Change, NSW (DECC NSW)

Northern Territory

Northern Territory Fire and Rescue Service (NTFRS)

Bushfire Council of Northern Territory (Bushfires NT)

New Zealand

New Zealand Fire Service (NZFS)

New Zealand Rural Fire Service (NZRFS)

Queensland

Department of Emergency Services Queensland (DES QLD) incorporating Queensland Fire and Rescue Service (QFRS)

Forestry Plantations Queensland

Queensland Parks and Wildlife Services (QPWS)

South Australia

South Australian Metropolitan Fire Service (SAMFS)

South Australia Country Fire Service (SA CFS)

Department for Environment and Heritage, SA (DEH SA)

ForestrySA

Tasmania

Tasmania Fire Service (TFS)

Forestry Tasmania

Parks and Wildlife, Tasmania

Victoria

Country Fire Authority, Victoria (CFA)

Department of Sustainability and Environment, Victoria (DSE)

Metropolitan Fire and Emergency Services Board, Melbourne (MFB)

Parks Victoria

Western Australia

Fire and Emergency Services Authority of WA (FESA)

Department of Environment and Conservation, WA (DEC WA)

National

Australian Council of State Emergency Services (ACSES)

Emergency Management Australia (EMA)

AirServices Australia

Affiliate Members

Bureau of Meteorology (BOM)

CSIRO Forestry and Forest Products

Hong Kong Fire Services Department

Melbourne Water

Pacific Islands Fire Service Association (PIFSA)

Papua New Guinea Fire Service

Australasian Road Rescue Organisation (ARRO)

South Australian Fire and Emergency Services Commission (SAFECOM)

New Zealand Department of Conservation



From the President

The communities we live in, and our fire, land management and emergency services industry continue to face unprecedented challenges. Climate change, demographic change, regional security and changing regional economies are all very real issues in the Asia-Pacific and Australasia.

Fostering a spirit of collaboration, innovation and sharing, AFAC continues to play a pivotal role within our industry, in our region and globally.

With the end of the current Bushfire Cooperative Research Centre in 2010, a major focus has been on the development of a new business case for an ongoing research capacity in Australia. Our view is that the Bushfire CRC has been outstandingly successful. In a rapidly changing world, where there will be greater uncertainty about risks, we see a strong and effective research capacity as an essential part of our emergency management framework into the future.

During the last 12 months AFAC has: developed a new and more effective committee structure; co-hosted, with the Bushfire CRC, a very successful research conference in Tasmania; developed the AFAC Knowledge Web; and provided leadership for agencies to plan and work together.

AFAC has also adopted a new logo and name that reflects our broader role and creates a distinctive new brand.

There remain significant challenges in the world in which we live: sharing resources across boundaries; taking knowledge from research into practice; dealing with accountability; and collaborating on standards with other industries. These are all areas that AFAC agencies and our talented staff are engaged upon on a daily basis.

To all who are part of AFAC, the member agencies, those who serve on various committees, the conference organising committees, committee convenors and the committee of management; thank you very much for your efforts. The evidence is clear that by working together and through AFAC, we are able to achieve results that we could only dream about working by ourselves.

I'd like to particularly thank our tireless CEO, Naomi Brown, and her small but professional team of energetic staff at the AFAC office. You have been the glue that holds AFAC together and has made 2007/08 an extremely successful year for our members.

We look forward to AFAC continuing to strengthen fire and emergency services through sharing, collaboration and innovation over the next 12 months.

Euan Ferguson AFSM
President

From the CEO

The development of a new strategic plan for AFAC during this past year has given the organisation new focus and direction. Council agreed on five high level goals, against which the work of the AFAC Groups has been aligned and reported as shown in this Annual Report. Work will progress on development of, and agreement on, performance measures for the goals.

A significant achievement has been the development of the AFAC Knowledge Web. This stemmed from an initiative of the Bushfire CRC, which was broadened and taken up by AFAC to provide a tool for information sharing and collaboration on national priorities and agency work. While in very early days, it is anticipated the Knowledge Web will provide the necessary technology to progress AFAC's goal of "a culture that nurtures and supports knowledge creation and evidenced based decision making". My thanks to all of the AFAC staff who worked so hard to build it.

Further evidence of AFAC members sharing information and building their knowledge base was the 2007 AFAC/ Bushfire CRC Conference held in Hobart. With over 900 delegates, a very full program, workshops and a large trade exhibition, the Tasmanian organisers should be very proud and are deserving of our congratulations.

A highlight for me this year has been a consultation with the 29 AFAC members to ascertain the level of satisfaction with AFAC's service delivery. It is very clear that the networking and sharing opportunities provided through the work of the Groups and the Conference are regarded as highly beneficial, although there is a need for fewer issues to be tackled and to reach finalisation on them in a timelier manner.

I am very pleased that Dulux Bunnings have continued their ongoing support for volunteers with their annual sponsorship supporting the Developing Future Leaders program at AIPM. This program is highly regarded by volunteers and places are eagerly sought after. Our thanks again go to the two companies.

This year, we said farewell to our supporters from One Steel. The program which started its life as "The Smorgon Steel Great Scrap Round-up" has come to an end after raising over \$2m for volunteer fire brigades and volunteer training. It has been an enormous effort and one much appreciated by those involved.

I am hugely appreciative of the amount of work done by all of the participants in AFAC Groups and Committees and thank you all. The AFAC office is acutely aware that this is done on top of normal responsibilities.

Finally, thank you to all of the AFAC staff for all of the work this year. It has been particularly busy with much achieved.

Naomi Brown
Chief Executive Officer



Financial Report

The 2007/08 financial year was a successful one with the company recording a surplus of \$200,736.

Highlights for the year included a complete review of AFAC's sales, distribution and warehousing activities for its publications business. The review resulted in the current outsourcing arrangement for these services being terminated and the function brought in-house. The project has been very successful and has resulted in a more cost effective and efficient service to the membership and external customers.

In conjunction with the publications review AFAC also launched the online AFAC Shop. The AFAC Shop, launched in April, has already resulted in new national and international customers.

The AFAC Conference continues to be the highest contributor to revenue behind member subscriptions. The 2007 AFAC Conference in Tasmania was a highly successful event which contributed significantly to AFAC's financial well being. The net surplus for the Conference was \$222,471.

AFAC's sponsorship activities generated approximately \$600,000 in

revenue for the year. The Smorgon Steel Great Scrap Roundup campaign concluded in June. The campaign has been an outstanding success with many Country Fire Brigades across Australia benefitting. The Dulux/Bunnings summer campaign was also highly successful and resulted in the continuation of funding for the Volunteer Leadership Programs run by the AIPM in Manly, NSW.

The AFAC balance sheet is in a strong position with total assets of approximately \$ 6.2 million funded by 20 percent member's equity and 80 percent debt.



Statement of financial performance for the year ended 30th June 2008

REVENUE	2008 \$	2007 \$
Members subscriptions	1,400,472	1,255,761
Gross margin from trading activities	593,909	646,992
Other revenue	516,598	495,182
Total Revenue	2,510,979	2,397,935
EXPENSES		
Salaries and related expenses	1,386,896	1,318,230
Travel and meeting expenses	193,681	222,575
Office expenses	454,821	435,228
Other expenses	274,845	315,748
Total Expenses	2,310,243	2,291,781
Surplus/(Deficit)	200,736	106,154

Statement of financial position as at 30th June 2008

CURRENT ASSETS		
Cash and debtors	5,549,630	5,027,739
Others	289,157	218,085
Total Current Assets	5,838,787	5,245,824
NON CURRENT ASSETS		
IT and office equipment	382,764	323,239
TOTAL ASSETS	6,221,551	5,569,063
CURRENT LIABILITIES		
Trade creditors	2,303,653	2,240,574
Revenue in advance	2,091,064	1,790,400
Special project funding	432,064	270,928
TOTAL CURRENT LIABILITIES	4,826,781	4,301,902
NON CURRENT LIABILITIES		
Deferred revenue	77,552	163,940
Others	58,170	44,909
TOTAL NON CURRENT LIABILITIES	135,722	208,849
NET EQUITY	1,259,048	1,058,312

Goals, Objectives and Strategies

AFAC Council endorsed a new AFAC vision statement: **“Fire and emergency services strengthened through sharing, collaboration and innovation”** and approved the AFAC Strategic Plan 2008-2015 as the basis for achieving this vision. The AFAC Strategic Plan 2008-2015 details the five key goals that will guide AFAC for the next seven years. These goals are high level statements of the outcomes AFAC wishes to achieve. Each goal is underpinned by a number of objectives, and each objective will be achieved through the implementation of strategies to be worked on by AFAC Groups.

AFAC’s five strategic goals 2008-2015

1. Leadership and advocacy.

A sector with high levels of visibility, credibility and influence which impacts on policy development, strengthens relationships and partnerships, reduces barriers and facilitates access to funding.

2. Environmentally sustainable fire and emergency management practices.

Promoting and encouraging environmentally sustainable practices in fire and emergency services.

3. Consistent and effective approach to the provision of services.

An approach to services where integrated planning is risk based and adaptable in all operating environments and where systems and practices are interoperable.

4. A culture that nurtures and supports knowledge creation and evidence based decision-making.

Easy access to quality information, with high levels of agency interaction and where networks allow the development of shared understanding, creating an environment where there is access to the accumulated knowledge of the sector.

5. A fire and emergency services sector with capability and capacity.

Consistency in ensuring volunteers, staff and contractors are safe, skilled, capable and resourced and providing the business management and infrastructure necessary to support service provision to the community.



Priorities

While the Strategic Plan proposes to achieve a number of Goals and Objectives, priorities have been identified to ensure resources are appropriately directed. These priorities take into account the significant drivers of change that impact on the business of AFAC.

AFAC priorities

Goal 1: Objective 1.4 – AFAC members are recognised for their environmental responsibility

Goal 3: Objective 3.5 – Agencies are able to work together in times of need

Goal 4: Objective 4.2 – Accumulated knowledge and experience is captured and shared

Goal 5: Objective 5.1 – A sector with strong and effective leaders

Goal 5: Objective 5.5 - A framework and approach that meets future industry needs for learning and development

To track AFAC performance against the Strategic Plan, the activities of the last financial year are reported against the strategic goals.



Goal 1: Leadership and advocacy

A sector with high levels of visibility, credibility and influence which impacts on policy development, strengthens relationships and partnerships, reduces barriers and facilitates access to funding.

Positions

AFAC produces positions for adoption at a national level through the work of its Group (committee) structure. A Position is an agreed statement of opinion underpinned by evidence and they are used by agencies to support policy and practice. During the last financial year the following positions were endorsed by AFAC Council:

- *Use of Lookouts, Awareness, Communications, Escape Routes, Safety Zones (LACES) System for Wildfire Firefighters Safety on the Fire Ground*
- *Fire Risk from the Management of Gamba Grass in Northern Australia*
- *Use of Personal Fire Shelters in Wildfires*
- *AFAC Information Exchange Standards (The Oasis Common Alerting Protocol and the Inter-CAD Emergency Management System.)*
- *Class A Recycled Water for Firefighting Purposes*

Advocacy

Reimbursement of costs for volunteers

AFAC continued to advocate for reimbursement of costs for volunteers and launched an initiative to research and model an employer compensation scheme. AFAC's proposed plan to develop economic modelling of volunteer costs was overtaken by a new EMA project on volunteering, which will address the issue.

Productivity Commission

AFAC and ACSES continued to advocate on behalf of the fire services and the State and Territory Emergency Services at the Emergency Management Working Group of the Productivity Commission and the Emergency Management Information Development Plan. AFAC collected and collated fire and SES data for the Productivity Commission.

Reference Document for Automatic Fire Sprinkler Systems

In June 2007, the Australian Building Codes Board advised key stakeholders of a proposal to develop the Building Code of Australia (BCA) Reference Document for Automatic Fire Sprinkler Systems.

AFAC expressed concerns that the Australian Building Codes Board will no longer recognise fire-fighters as occupants of a building and will not provide appropriate in built building safety provisions to protect them during fire and rescue operations.

AFAC has taken a strong stance on this fundamental issue for fire-fighter safety and sought major concessions in the scope, water supply and sprinkler density design criteria of the draft BCA. The development of the reference document is not expected to be completed until 2009 and will not be supported by AFAC without its concessions being included.

Submissions

Review of the National Innovation System

AFAC made a submission to the Review of the National Innovation System (Cooperative Research Centre Program) by the Department of Innovation, Industry, Science and Research. AFAC strongly advocated for renewed emphasis on public good research.

Impact of Public Land Management Practices on Bushfires in Victoria

AFAC made a submission to the Inquiry by the Victorian Parliament into the Impact of Public Land Management Practices on Bushfires in Victoria. AFAC's submission urged a reconsideration of Victoria's public land management strategies in light of predicted climate change and called for increased support for Victorian agencies to implement necessary changes. The submission also recommended maintenance of workable planning controls, building design standards and an emphasis on the shared nature of responsibilities between land managers and residents living in the rural/urban interface.

Arrive Alive 2008/2017

AFAC wrote to Victorian Premier John Brumby regarding his government's new road safety strategy, Arrive Alive 2008/2017. AFAC raised issues pertaining to road crash rescue and the advent of new technologies, such as air bags and hybrid engines, and highlighted the risks these new technologies place on emergency service workers.

National Employment Standards

Concerns raised by AFAC members on the Australian Government draft National Employment Standards, which included emergency services leave, were considered and addressed in the final National Employment Standards released by Government.

Memorandums of Understanding

Inherent in the work of AFAC, is the forging of close relationships with a variety of national and international organisations. These relationships are often formalised by Memorandums of Understanding. In the last financial year AFAC entered into the following Memorandums of Understanding.

Australasian Assembly of Volunteer Fire Brigade Associations

The relationship between the Australasian Assembly of Volunteer Fire Brigade Associations (AAVFBA) and AFAC has strengthened with both organisations sharing similar objectives in supporting the work of volunteer firefighters. To further consolidate this relationship, AFAC and the AAVFBA signed a Memorandum of Understanding in 2007 stating both organisations commitment to: fostering a strong relationship between the organisations; facilitating information

sharing on volunteer firefighter issues; and increased consultation and collaboration on matters of mutual interest.

Pacific Islands Fire Services Association

A Memorandum of Understanding was signed between AFAC and the Pacific Islands Fire Services Association (PIFSA), which cemented a relationship that has grown over the last few years. With a major focus on capability building, the primary tenet of the Memorandum is to ensure the support provided through partnership arrangements contribute to the achievement of long-term sustainable fire and emergency services development within the Pacific.

Ongoing research capacity

With the work of the Bushfire CRC due to finish in 2010, AFAC Council has planned to ensure there is an ongoing national research capacity for the industry. The focus to date has been on a rebid for another CRC but the current preparation could translate to another funding

model if necessary. The drivers of climate change, changing technology, changing demographics and increased focus on firefighter safety were considered in a series of workshops with agency representatives and potential research providers, to set a proposed research agenda for a new CRC: Fire – Environment and Society.

Communications and Marketing

Media

AFAC has continued to use television, print and radio media to raise awareness of industry issues. In the last financial year, media issues included: guidelines for people in cars during bushfires; the effects of the coronial process on agencies, their staff and volunteers; and the need for more fire and emergency service research.



The 2007 AFAC/Bushfire CRC Conference received wide spread coverage via Tasmanian TV, print and radio, including a live three hour broadcast on ABC Radio Tasmania. Journalists were particularly interested in the future fire challenges Australia is facing such as mega fires, climate change and the impacts of drought on fire fighting.

In the last financial year, the AFAC CEO has appeared on ABC TV, Channel Nine, Sky News, in local, regional and national print publications and on numerous radio programs including an extensive list of national, state and regional ABC Radio programs.

Fire Australia magazine

AFAC continues to co-publish Fire Australia magazine with Bushfire CRC and the Fire Protection Association Australia. The magazine underwent a review and refresh process in 2007, resulting in a new design for the magazine and a new focus on content that promotes the business of AFAC.

Change to AFAC name and corporate style

At the April 2008 meeting AFAC Council endorsed changing its full name to the Australasian Fire and Emergency Service Authorities Council as a better reflection of its current membership and knowledge base. The acronym AFAC will continue to be used as the organisation's brand and common name. Accompanying the name change was the implementation of a new corporate logo and corporate presentation style. The new corporate logo and style was introduced across the organisation

starting with a new and substantially upgraded corporate website, new documentation design and corporate stationary and new promotional material.

Sponsorship

Dulux Bunnings' sponsorship of the Volunteer Leaders Program continued last financial year with \$200,000 raised for the fire industry through their summer paint sale promotion. This sponsorship has allowed AFAC to contribute to the volunteer costs for participation in the program.

The One Steel (formerly Smorgan Steel) Great Scrap Round Up came to an end in June 2008. Since its inception in 2005, the campaign raised \$2.4 million dollars for brigades, agencies and AFAC leadership programs and cleared over 100,000 tonnes of steel from farms.

The sponsorship of Dulux Bunnings and One Steel has been greatly appreciated by AFAC and its members.

E-commerce

AFAC completed a review of the ordering, sales, distribution and warehousing of its publications business. Central to this was the creation of a secure online e-commerce site allowing for the automatic processing of orders and payments. The new online shop, www.afacshop.com.au, has received orders from Europe, Asia and the USA as well as many orders from non-AFAC Australian organisations. Sixty new customers have placed orders since the online shop went live.

Representation

Australian Building Codes Board

AFAC is represented on the Australian Building Codes Board, Building Codes Committee by the Community Safety Group. During the year, AFAC submitted three proposals to change the BCA 2009 and worked through eighty five proposals



submitted by other organisations and individuals.

AFAC also provided significant input into other Australian Building Codes Board projects including:

- Emergency egress for all occupants
- Fire safety (sprinklers) in buildings accommodating aged persons
- Class 1b and Class 3 building classification and use
- Fire safety in early childhood centres
- Definition of Class 2 and Class 3 buildings
- Control of smoke spread through penetrations
- Use of fire-retardant coatings
- Strategic review of the BCA against COAG Principles
- Protection of buildings from threats and natural disasters
- Regulation impact assessment
- Emergency lighting
- Fire hazard properties
- Structural safety
- Fire safety
- Maintenance
- Penetrations in Class 9c plasterboard ceilings
- Class 6 and Class 9b classifications

Australian Emergency Management Volunteer Forum

The AFAC Manager Human Resources, Judy Gouldbourn, represented AFAC on the Australian Emergency Management Volunteer Forum. The Forum provides a national symposium, representative of the volunteer emergency management sector, which facilitates better communication between its members and provides advocacy for the sector.

ISO, SAI, NZ and Other Standards

AFAC has over 70 Australian and International Standards Committees in which it participates. AFAC continues to be a major stakeholder in the creation and revision of fire safety and fire protection Standards. AFAC's Standards Committee representatives worked on standards

for: construction in bushfire prone areas; occupational protective clothing; firefighters' personal protective clothing and equipment; fire hydrant installation; fire detection, warning control and intercom systems; emergency evacuation procedures; occupational protective footwear; tunnel fire safety; sprinklers; evacuation; high visibility; storage and handling of LPG; and storage and handling of mixed classes of dangerous goods among others.

National Spatial Information Management Committee

AFAC accepted an invitation to provide representation on the National Spatial Information Management (NSIM) Committee. Jill Edwards, Manager Strategy and Knowledge Management, officially joined the NSIM Committee in March 2008.

National Forum on Emergency Warnings to the Community

AFAC was represented at the National Forum on Emergency Warnings to the Community, co-chaired by EMA and the BOM, to progress the development of a national system for community emergency warnings.

National Information Communications Telecommunications Australia

AFAC developed a relationship with NICTA (National Information Communications Telecommunications Australia), the research institute and centre for excellence in science and innovation. NICTA has been providing advice to the Chief Information Officers Group, particularly in the area of national and international technology standards development.

Conference presentations

The AFAC CEO presented at the Confederation of Fire Protection Associations Conference Asia in Jakarta, Indonesia in 2007 and the APCOA Conference on the Gold Coast in 2008.

Fleet Forum

The AFAC Fleet Forum continued to grow with the Forum now recognised by the manufacturing industry as the main decision making body for the development of fire appliances. The Forum has a close working relationship with the AFAC Manager Standards and the Collaborative Purchasing Group.

Support

The Pacific Islands

AFAC continues to provide secretariat support to the Pacific Island Fire Service Association (PIFSA), to allow it to establish appropriate arrangements to become self-sufficient. This support is in addition to the substantial practical support being provided by individual AFAC member agencies directly to their Pacific Island partner countries. The AFAC Manager Strategy and Knowledge Management attended the Executive Planning Meeting in March 2008 to facilitate the drafting of a PIFSA constitution, and a Strategic Directions Implementation Plan.



Goal 2: Environmentally sustainable fire and emergency management practices

Promoting and encouraging environmentally sustainable practices in fire and emergency services.

Management of Gamba Grass

The presence of Gamba Grass in natural environments and on unmanaged lands increases fire risks to a level that threatens firefighter safety, community assets and ecological communities (particularly in the Northern Territory, and Queensland and Western Australia where it has been declared a weed).

The implications of this species on fire risks are so significant, AFAC developed a national position with the support and cooperation of the key fire, emergency and land management agencies in northern Australia. The position recommends the spread of Gamba Grass should be prevented where possible, and that infestations in unmanaged and un-grazed lands, native habitats and utility easements should be eradicated.

Bushfire Risk Management Model

The Bushfire CRC developed a Bushfire Risk Management Model for use by managers to evaluate the relative benefits of different fire prevention, preparedness, suppression and fire regime options available. AFAC worked with the Bushfire CRC to introduce the model to rural agencies. The model is made up of three components, a business model to manage objectives, a characterisation model to simulate fire spread under different scenarios and an impact model to determine the probability of outcomes in relation to damage to nominated assets and objectives.

Project Vesta

Project Vesta provided updated information on the behaviour of lines of fire in dry forests based on extensive field trials in Western Australia. AFAC worked with the Bushfire CRC and DEC WA to develop processes to ensure this new knowledge can be readily adopted by all relevant agencies. The project results significantly alter fire behaviour forecasts, as research showed fires move faster than predicted by the Macarthur Fire Index.

High Fire Project

AFAC supported the Bushfire CRC High Fire Project, which undertook fire regime research in wet sclerophyll forests, and alpine and sub alpine vegetation.

Best practice in hazardous materials recovery

Western Australia currently has legislation in place for responders to dangerous goods emergencies, which is considered best practice in site clean up and recovery by the Hazardous Materials Working Group. AFAC encouraged fire agencies to lobby their state Emergency Services and Transport Ministers to adopt best practice, based on the Western Australian model, for hazardous materials recovery following transport incidents. Several agencies are continuing to negotiate with state agencies and stakeholders to adopt similar measures to Western Australia in lieu of national legislation implementation.

Goal 3: Consistent and effective approach to the provision of services

An approach to services where integrated planning is risk based and adaptable in all operating environments and where systems and practices are interoperable.

Standards for message exchange

AFAC members agreed to adopt two standards as the basis for handling message exchange, regardless of the delivery technologies and audience. One is the OASIS Common Alerting Protocol V1.1 as the national standard for the handling of emergency alert information exchange. The other is the Inter-Computer Aided Dispatch Emergency Messaging System (ICEMS) Specification Version 4 Revision 2, as the standard for handling emergency dispatch information exchange.

These two standards represent the first step towards establishing a framework that will guide AFAC member agencies towards interoperability. By taking a standards based approach and establishing such a framework, member agencies will be able to progressively incorporate the agreed standards into their technology solutions as their capital programs and budgets allow. This approach is in recognition of the significant variances that exist across jurisdictions, agencies and respective technology platforms.

Bushfire Information Sharing Initiative

BISI continued to provide information on available agency resources to AFAC members during the fire season. An improved on-line version of BISI was developed for the 2007-2008 bushfire season by the MFB. The on-line BISI was far easier to use with a more advanced reporting system that drew reports from an agency, state and national level and could be easily updated by agencies without the need to go through AFAC.

Home Sprinklers

Following AFAC representation to Standards Australia, the Australian Standard AS 2118.5 Home Sprinklers was published in May 2008. The Standard introduces the concept of 'combined' sprinkler systems serving domestic water fixtures, appliances and fire sprinklers. It provides an economical and cost-effective solution and has been written for use by authorised plumbers who would, with appropriate training and education, carry out the majority of installations. As a result of the standard the cost of residential sprinkler systems should be reduced.

AIIMS

The AIIMS Steering Committee continued towards its strategic intent of "All levels of government in Australia and non-government organisations, to recognise and employ AIIMS (or its successor or derivatives) as the doctrine for the management of incidents and major events."

Evidence of progress was NSWFB's integration of AIIMS into the Sydney APEC Economic Leaders Meeting.

Discussions with EMA and Police on the benefits of working towards greater commonality in command, control and coordination arrangements have occurred and significant progress made towards achieving the strategic intent.



Goal 4: A culture that nurtures and supports knowledge creation and evidence based decision-making

Easy access to quality information, with high levels of agency interaction and where networks allow the development of shared understanding, creating an environment where there is access to the accumulated knowledge of the sector.

AFAC Knowledge Web

The AFAC Knowledge Web was an initiative of the Bushfire CRC's Fire Knowledge Network project. The project aimed to bring together the broad spectrum of knowledge from the Bushfire CRC, emergency service agencies and research bodies, along with local knowledge and lessons from history. In September 2007 AFAC and the Bushfire CRC agreed that AFAC would take over management of the project. This would provide the long term resource and finance commitment required to keep the project viable after the Bushfire CRC ended.

The Knowledge Web was built with a number of interactive features that allow users to participate in forums and commenting, subscribe to newsletters and RSS feeds and use a range of calendar features. Most importantly the site has a suite of tools that allow users to upload documents and write web pages, meaning that all members of the site can also be authors on the site.

The Knowledge Web features collaborative workspaces for each AFAC Group, Sub Group and Working Group. This collaborative workspace allows Group members to work in an online environment providing greater opportunities for sharing and communication among members. This initiative will change the way AFAC does business and provide a level of access to information that has previously never existed within AFAC.

While the site requires further development and industry input to guide its growth, the Knowledge Web provides a flexible platform that moves the industry closer to its goal of collaboration and knowledge sharing.

Human Movement Seminar Series

AFAC and the Fire Protection Association Australia (FPAA) conducted seminars in Brisbane, Sydney and Melbourne, which explored the egress of occupants from buildings and enclosed spaces. The seminars were presented by international speaker, Jake Pauls (Canada and USA) and a panel of highly respected Australian speakers.

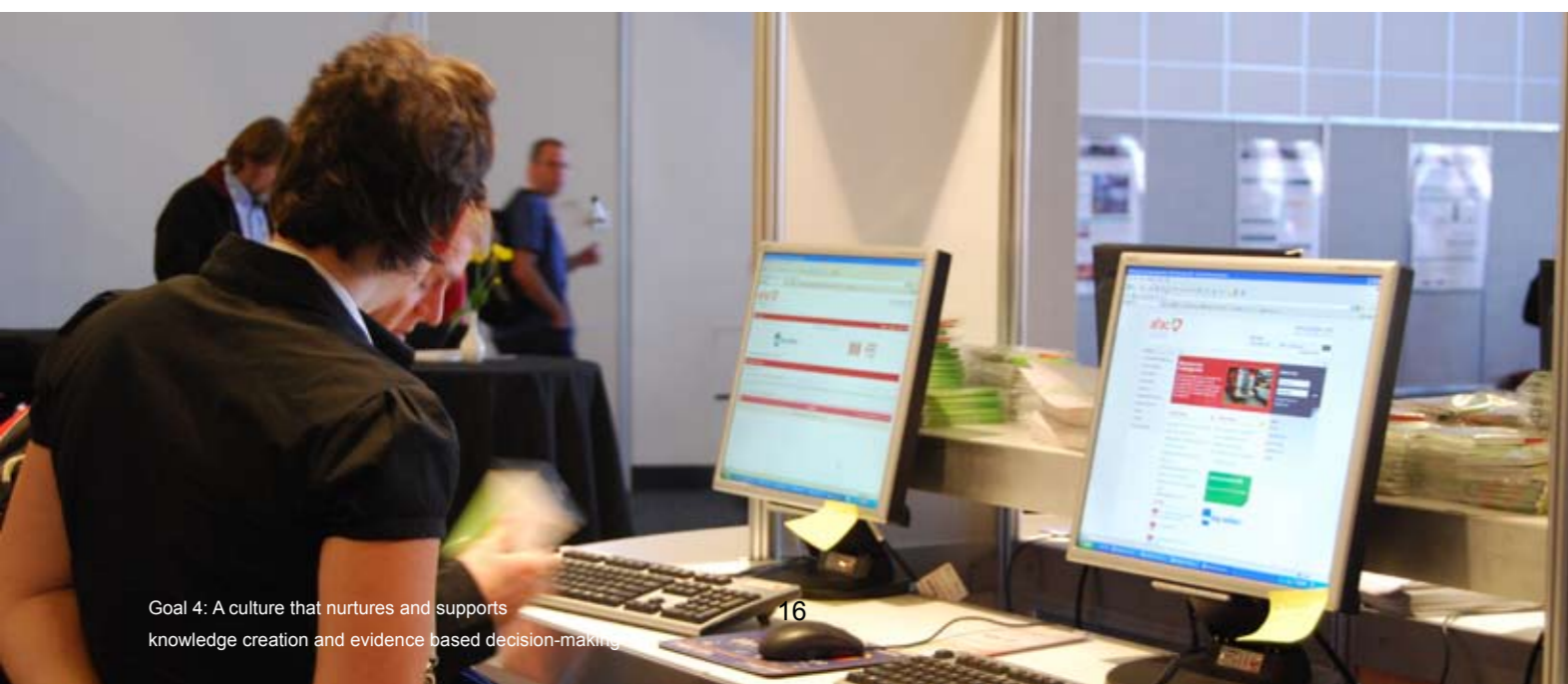
The seminars highlighted the need for engineers, designers, regulators and emergency service workers to examine current standards, given the changing emergency response needs of the population.

Transfer of Bushfire CRC Research to Users

Since the establishment of the Bushfire CRC, AFAC members have collaborated with CRC researchers to ensure useful research results are obtained. While research progress and outcomes have been presented at five joint AFAC/Bushfire CRC Conferences, the focus for both organisations has moved to the transfer of knowledge from researchers to users. AFAC Groups have been involved in the implementation of a Research Adoption Strategy to facilitate this transfer of knowledge.

Examples of Bushfire CRC research being taken up by the industry in the last year include:

- Research into safety in cars during fire was used to refine AFAC's *Guidelines for people in cars during bushfires*.
- The development of an online smoke plume prediction tool through the BOM website is being used by agencies for forest, grasslands and building fires.
- Stay and defend or leave early research is informing agency community education material.
- Fire behaviour research has been included in a training package, a field guide and CD ROM.
- The aerial effectiveness project assisted with budget negotiations at State and Federal levels.
- The CRC work on volunteerism has been used by agencies for recruitment and retention.
- Changes to masks allocated to urban firefighters in bushfires.
- Extensive use of the fire spread component of the risk model.
- Incorporation of biodiversity findings into burning plans in south west Australia and across the top end.
- Large numbers of case study evaluations of community education programs have been developed.
- Identification of the impacts of fire suppression on firefighter health, stress and fatigue have assisted agencies better manage suppression resources.
- New assessment methods have allowed agencies to provide better grassland curing predictions.
- The first nationally coordinated bushfire seasonal outlook has allowed AFAC to provide a consistent seasonal forecast message. Agencies have been able to use this data to gain additional funds in advance of the fire season.
- AFAC and agencies changed advice to the community on the installation of home smoke alarms based on CRC Research.
- Engagement strategies have been modified for Sudanese communities based on CRC research.
- AFAC and the Australian Institute of Criminology worked to develop materials and intervention programs to assist fire agencies to reduce the impact of arson.



Information Sharing, Intellectual Property and Knowledge Management

The *AFAC Policy on Information Sharing and Management of Intellectual Property* was approved by Council in April 2008.

The Policy is underpinned by the principle that: "The primary purpose of information created or acquired in accordance with the business of AFAC is in the interests of the fire and emergency services sector and ultimately for public good. As such, AFAC members voluntarily contribute information and will make every reasonable effort to share information and ensure such information is freely available."

Based on this principle, and reinforced by the considerable goodwill among member agencies, a major activity commenced within AFAC to enhance the systems and processes that facilitate the sharing of information, collaboration of effort and opportunity for innovation.

Total Cost of Fire

The *Total Cost of Fire Report* was released to member agencies in February 2008. The project identified the economic cost of reported fires on private land and public land (excluding bushfires) in Australia in 2005-06. The framework to estimate the economic cost of fire used anticipatory, responsive and consequential cost categories.

The estimated economic cost of fires for Australia in 2005-06 was \$7324 million. This was a conservative estimate as not all costs were quantifiable due to gaps in the data.

Further work is underway to study the period 2002 – 2008. The framework of anticipatory, responsive and consequential costs will be reviewed and adjusted to meet member agency needs. The new work draws on data from the *Report on Government Services*, AIRS data and industry data, including input from the Fire Protection Association of Australia on fire protection systems costs.

Changing levels of fire safety in residential homes

AFAC, CSIRO and NSWFB conducted a collaborative research program to assess whether house fires are becoming more of a threat to occupants and firefighters with changes in building materials, building design, building structure, and building contents. The research examined changes in the Class 1a built environment that may have led to changes in the levels of safety for occupants and firefighters.

Four full-scale fire experiments were carried out on rooms furnished to represent different periods of materials and technology. The results suggested a decrease in the time to flash over within a room in a residential building furnished with newer materials. As there are no accompanying indicators in terms of real increases in damage to properties or an equivalent increase in death and injuries, further research is being considered.

Landscape Performance Measures

AFAC advised the Productivity Commission of performance measures for fires in the landscape, which were supported by AFAC as appropriate for bushfire management in the *Report on Government Services*. The production of the performance measures was a response to the Council of Australian Governments' (COAG) *Report on Bushfire Mitigation and Management*. These performance measures for fires in the landscape specifically relate to recommendation 13.1 – the development of "a common set of national bushfire indicators of good practice" to "provide a consistent framework for review and reporting in each state and territory."

The performance measures are:

1. Fire deaths per 100,000 population
2. Fire injuries per 100,000 population
3. Number of primary dwellings impacted by wildfires
4. Total number of hours by volunteer on wildfire suppression.

These performance measures provide agencies with the ability to capture consistent data for improved trend analysis and strategic planning.

SES Performance indicators

The State and Territory Emergency Services (S/TES) have identified, standardised and commenced collection of data for S/TES after receiving Commonwealth funding and a matching grant from EMA. Agreement has now been reached on standard terminology and data to be collected.

The indicators were developed by a working party formed by ACSES. It has drawn on the framework used for the Productivity Commission's *Report on Government Services* within the Emergency Management framework of Prevention/Mitigation, Preparedness, Response and Recovery.

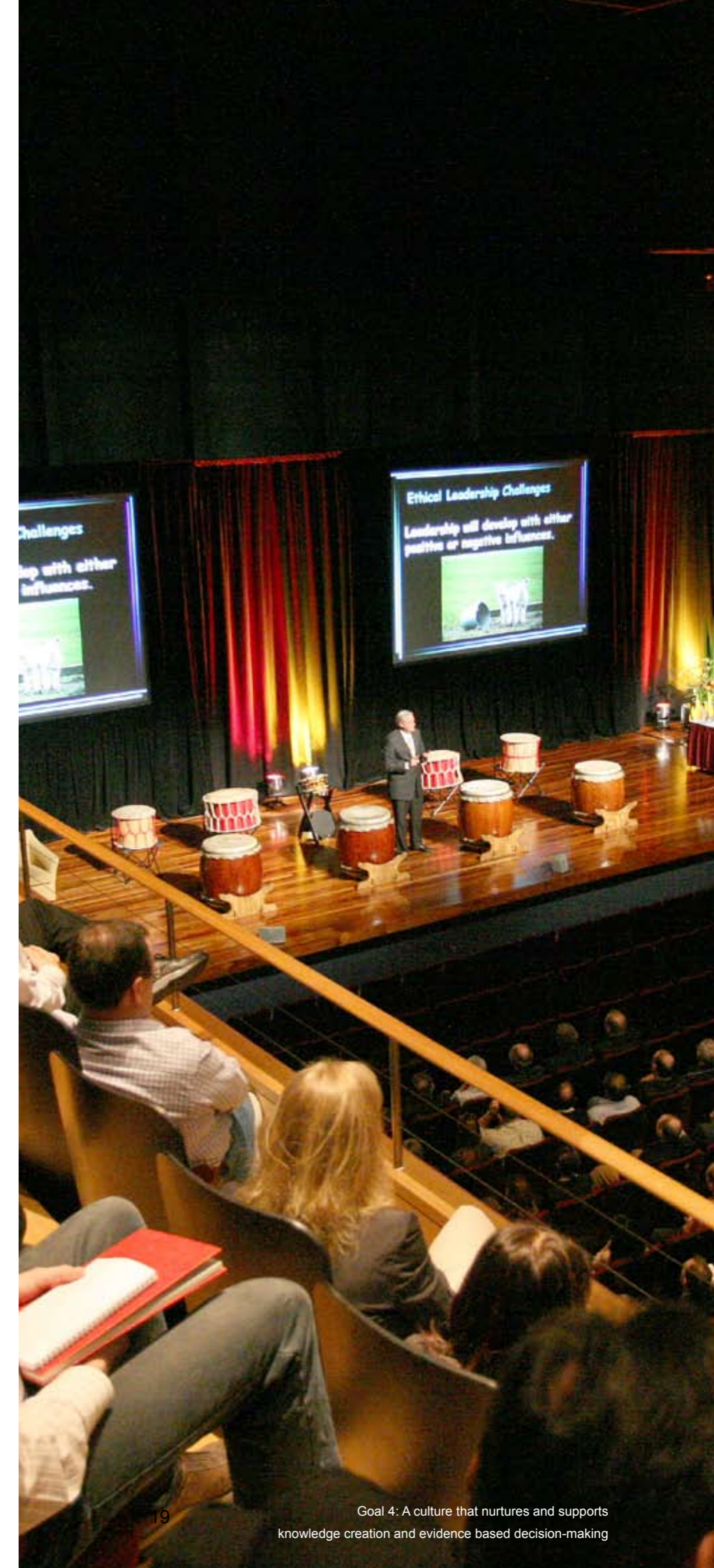
These indicators will assist in the development of national best practice to improve the capability and effectiveness of State and Territory Emergency Services to prepare for and respond to flood, storm, cyclone and other emergencies.

2007 AFAC/Bushfire CRC Conference

The 2007 AFAC/Bushfire CRC Conference was a great success with more than 900 delegates and 100 exhibitors in attendance. The main conference featured more than 80 presentations consisting of two AFAC streams and two Bushfire CRC streams.

Key note speakers included: Kevin Brame, Deputy Fire Chief City of North Las Vegas, Nevada, USA; Paul Chamberlin, Interagency Fire Operations Safety Specialist, Montana, USA; and Paula Nasiatka, Center Manager, U.S. Wildland Fire Lessons Learned Center.

The conference speakers covered a range of topics from urban fire fighting, housing safety, firefighter health and safety, community safety, rural operations and technology.



Goal 5: A fire and emergency service sector with capability and capacity

Consistency in ensuring volunteers, staff and contractors are safe, skilled, capable and resourced and providing the business management and infrastructure necessary to support service provision to the community.

Leadership Capability Framework integration into AIPM

AFAC completed a Client Services Agreement with Australian Institute of Police Management (AIPM) for the period 2008-2010. The agreement specifies the products and services the AIPM will provide to AFAC. The Client Services Agreement integrates the AFAC Leadership Capability Framework as the foundation for specifying the professional development opportunities for the Annual AFAC Visiting Fellow and each of the Program Visiting Fellows. It documents the co-operation arrangements between the AIPM and AFAC in the co-ordination, delivery and evaluation of the leadership and management development programs for the fire and emergency services.

AIPM Visiting Fellows

The position of AFAC Visiting Fellow at the AIPM transferred from FESA Director Kevin Cuneo, to Chief Superintendent Phil Langdon, NSWRFSS at the end of 2007. Both Fellows have made substantial contributions to the AFAC Volunteer and Leadership programs.

Further support was provided by Program Visiting Fellows: DCFO Albert Li Hung and Senior Divisional Officer James Ng from Hong Kong Fire Service, Greg Patterson from CFA, Mark Thompson from SACDS and Assistant Commissioner Neil Galant from QFRS provided support for the Executive Development Programs.

Lieutenant Colonel Yap Kok Boon from Singapore Civil Defence Force, Chief Superintendent Richard Griffiths from NSWFB and Chief Superintendent Stuart Midgley from NSWRFSS provided support for the Executive Leadership Program.

AIPM Leadership Development Program

AIPM, with the support of AFAC, delivered:

- One Executive Leadership Program comprising 22 representatives from fire and emergency services within Australia, New Zealand and Hong Kong.
- Two Executive Development Programs with representation from the fire and emergency services within Australia, New Zealand, Papua New Guinea and Hong Kong.
- Two Dulux/Bunnings Volunteer Leaders Programs
- One Smorgon Steel Developing Future Leaders Program

National Fire Academy Executive Fire Officer Program

AFAC invited the fire and land management agencies to nominate individuals for the 2009 intake for the United States Fire Administration/ National Fire Academy Executive Fire Officer Program at Emmitsburg, USA. Nominations received by AFAC were assessed by a selection committee and the successful applicants were Commander Mark Dalrymple MFB and Superintendent Terence Farley NSWFB.

Community Services Training

AFAC worked in partnership with the MFB on a national project to deliver fire safety information to people aged 65 years and over. The over 65s demographic are the highest fire fatality and injury risk group in the community. Through the development of fire safety training across the 40 qualifications in the Community Services Training Packages, care workers who provide in home support to older people will be able to deliver fire safety information to older people

The Community Services Training Packages are the national qualifications framework for this sector and includes people working in disability, children and youth services, mental health, alcohol and drugs, social housing and community development.

Role of the Safety Advisor

The Urban Operations and Occupational Health and Safety Group collated job position statements and qualifications for Safety Advisors and several draft documents have been developed. This included consolidated roles and responsibilities for implementing Safety Advisor positions and urban and rural Safety Advisor check lists.

New Training Resource Kits

- AFAC has produced an additional three training resource kits
- PUAFIR203A Respond to urban fire
 - PUAFIR504A Assist with formulation and implementation of plans and policies
 - PUAFIR208A Participate in community safety activities.

This brings the total training resource kits produced by AFAC to 28.

Aviation Training Resource Kit project

The Aviation Training Resource Kit Project has developed national role based learner resources to support training in air operations roles and competencies described in the Air Operations Training Framework. The Air Operations Training Framework is based on the DSE – Aviation Training and Accreditation Program Framework. To date the project has completed Air Attack Supervisor, Air Observer and Incendiary Operations Supervisor (including the position paper on Aerial Ignition Operations).

Multi-jurisdiction command and control exercises

The Incident Management Team Road Tunnel Project was completed and released. The lead agency CFA, supported by FESA, completed the development of the road tunnel exercise, which is suitable for developing and exercising the individual and collective skills of Level Two and Three Incident Management Teams. This exercise was designed to provide sufficient flexibility so agencies can use three exercise

options depending on internal requirements.

Compartment Fire Behaviour Training

The Compartment Fire Behaviour Training (CFBT) Working Group has worked to implement a standardised approach to compartment fire behaviour training within Australian and New Zealand fire services. During the last financial year the CFBT Working Group has completed:

- A CFBT Glossary
- A training needs analysis for CFBT instructors for all agencies currently delivering CFBT
- An agreed minimum standard for the training and validation of CFBT Instructors, designed to work in conjunction with existing training programs
- Integration of CFBT terminology and firefighting techniques into the revision of the AFAC training resource kits for PUAFIR203A Respond to urban fire and PUAFIR302A Suppress urban fire.
- An exchange of engineering specifications for CFBT cells to all new members via the AFAC website.

Collaborative Purchasing Initiative

The Collaborative Purchasing Initiative (CPI) is approaching its third year of operation with well in excess of \$2 million in savings already achieved by participating agencies. This does not take into account indirect savings associated with the reduction of administrative costs in the preparation of procurement and tender documentation.

The group continues to work on a list of priorities for future collaborative purchasing with some of the opportunities identified to date being rural tanker cab chassis, pumps, foam, hydraulic rescue equipment and personal protective clothing and equipment.



AFAC Group Members

AFAC Council

Chair: Euan Ferguson, SA CFS
Neil Bibby, CFA
Steve Bishop, Forests NSW
Tony Blanks, Forestry Tasmania
Naomi Brown, AFAC
Ian Christie, Parks Victoria
Bob Conroy, DECC NSW
Neil Cooper, ACT Parks Conservation and Lands
Murray Dudfield, NZFS
Shane Fitzsimmons, NSWRFSS
John Gledhill, TFS
Mike Hall, NZFS
Mike Harris, QPWS
Jo Harrison-Ward, FESA
Hori Howard, ACSES
Lee Johnson, QFRS
Ken Latta, MFB
Peter Locos, Forestry Plantations Queensland
Grant Lupton, SAMFS
Gregor Manson, ACT ESA
Jim McGowan, QFRS
Greg Mullins, NSWFB
Greg Nettleton, NTFRS
Tony Pearce, EMA
Adrian Pyrke, Parks & Wildlife Tasmania
Islay Robertson, Forestry South Australia
Rick Sneeuwjagt, DEC WA
Stephen Sutton, Bushfires NT
Ewan Waller, DSE
Andrew Werner, Airservices Australia
Mike Williams, DEH SA

ACSES Group

Chair: Hori Howard, ACSES
Mary Barry, Victoria SES
Peter Davies, Darwin
Mark Dole, DES Queensland
Tony Graham, ACT ESA
Craig Hynes, FESA
Andrew Lea, Tasmania SES
Rhys Maggs, AFAC
Stuart McLeod, SA SES
Philip McNamara, NSW SES
Frank Pagano, DES Queensland

AFAC Fleet Forum

Chair Richard Kowalewski, QFRS
Wayne Willmott, ACT ESA
Rob Rankin, CFA
G Kranainis, FESA
J Lambrich, FESA
Ron Zatella, FESA
Po Wah Chung, MFB
Tim Smith, MFB
Peter Turner, MFB
Rob Wilson, MFB
Peter Fanning, NSWFB
Pham Hue, NSWFB
Ian Hall, NSWRFSS
John McLeod, NTFRS
David Schmerl, SAMFS
Leon Smith, TFS

AIIMS Steering Committee

Chair: Greg Mullins, NSWFB
Alan Byrnes, Victoria Police
John Cawcutt, QFRS
Murray Dudfield, NZFS
Shane Fitzsimmons, NSWRFSS
Dieter Gescke, NSW SES
Craig Hynes, FESA
Sandra Lunardi, AFAC
Greg Nettleton, NTFRS
Russell Rees, CFA
Rick Sneeuwjagt, DEC WA
Michael Walker, MFB
Mike Williams, DEH SA

Air Operations TRK Working Group

Chair: Terry Maher, DEC WA
Adam Bannister
Wayne Bates, QFRS
Mathew Brooke, ACTRFSS
David Cant, SACFS
Sandra Lunardi, AFAC
Carolyn McGregor, DECC, NSW
Tim McGuffog, ACT ESA
Natasha Oke
Tessa Piccinin, AFAC
Simon Pogoriutchnig, NSWRFSS
David Rawet, DEC, WA
Bryan Rees, DSE
Peter Saint, FESA

Built Environment Sub Group

Chair: Graeme Thom, QFRS
Andrew Andreou, CFA
Brian Ashe, ABCB
Rod Bahr, SAMFS
Greg Bawden, MFB
Greg Buckley, NSWFB
Simon Davis, NZFS
Vince Dowling, CSIRO
Jarrod Edwards, MFB
Lindsay Garrick, Department of Defence
Terry Hayes, CFA
Terry Jackson, FESA
Chris Jurgeit, NSWFB
Rob Llewellyn, AFAC
Max McAlister, SA CFS
Paul McBride, Airservices Australia
David Michel, Standards Australia
Phil Oakley, TFS
Allan Oates, NTFRS
Lew Short, NSWRFSS
Ross Turton, ACTFB

Business Management Group

Chair: Mike Gallagher, TFS
David Bailey, NSWFB
Harry Weidemann, MFB
Jill Edwards, AFAC
Audrey Ko, NTFRS
Nancy Morghem, AFAC
Russell Neuendorf, QFRS
William Norfolk, QFRS
Tony Norman, SAMFS
Frank Pasquale, FESA
Trevor Pearce, SAFECOM
Kevin Stacey, NZFS
Mark Swayn, NSWRFSS
Richard Teychenne, DSE
Michael Wootten, CFA

Chief Information Officers Group

Chair: Mike Hall, NZFS
Martin Barbary, SAFECOM
John Barratt, ACT ESA
Deniz Gozukara, CFA
Jill Edwards, AFAC
Andrew Edwards, ACSES
John Weippert, PFES NT
Alma Hong, NZFS
Richard Host, NSWFB

Iain Larnar, TFS
Robbie Lefroy, FESA
Femina Metcalf, DEC WA
Nancy Morghem, AFAC
Alen Slijepcevic, DSE
Matthew Smith, NSWRFSS
Alex Stefan, QDES
Neil Wheeler, MFB
Roger Lye, EMA

Collaborative Purchasing Group

Chair: Russell Neuendorf, QFRS
Russell Shephard, AFAC
Robert Allen, DECC NSW
Elizabeth Bednarski, MFB
Andrew Belterman, Melbourne Water
Rachel Bowman, Airservices Australia
Phil Clark, NSWFB
Richard Coombe, SA SES
Shane Franklin, CFA
Michael Gallagher, TFS
John Grech, CFA
John Heath, NSW SES
Peter Kiernan, NZFS
Audrey Ko, NTFRS
John Lloyd, DSE
Mike Pearce, SAFECOM
Alex Reid, DECC NSW
Paul Springett, NSWRFSS
Arthur Tindall, AFAC
Lynette White, AFAC
Simon White, Victoria SES
Wayne Willmott, ACTSES
Ron Zatella, FESA

Community Education Sub Group

Chair: Lisa Sturzenegger, CFA
Sandra Barber, TFS
Gwynne Brennan, CFA
Steve Delaney, ACSES
Allan Foster, SAMFS
Paul Fowler, NSWRFSS
John Gawen, SA CFS
Gary Gilby, QFRS
Sarah Hearn, DSE
Chris Jenkinson, EMA
Rob Llewellyn, AFAC
Martin Lloyd, ACT ESA
Stuart Midgley, NSWRFSS
Steven Pearce, NSWFB
Glenda Ramage, NTFRS
Alan Rhodes, Bushfire CRC

Scott Sargentina, NZFS
Suellen Shea, FESA
James Smith, NSWFB
Rob Taylor, MFB

Community Safety Group

Chair: Paula Beever, NZFS
Keith Adamson, MFB
Peter Cartwright, ACT ESA
Reg Christiansen, QFRS
Steve Delaney, ACSES
Sarah Hearn, DSE
Chris Jenkinson, EMA
Murray Kear, NSWFB
David Kemp, SAMFS
Damien Killalea, TFS
Rob Llewellyn, AFAC
Grant Lupton, SAMFS
Paul McBride, Airservices Australia
Leigh Miller, SA CFS
Alan Rhodes, Bushfire CRC
Karen Roberts, FESA
Mark Roche, QFRS
Rob Rogers, NSWRFSS
Alan Stephens, NTFRS
Lisa Sturzenegger, CFA
Graeme Thom, QFRS
Mark Turner, Department of Defence

Compartment Fire Behaviour Training Working Group

Chair: John McDonough, NSWFB
Tony Brown, QFRS
Peter Brown, CFA
Darren Conlin, MFB
Kevin Cowper, NZFS
Corey Dunn, SA CFS
Terry Freeman, MFB
Ross Kennedy, ACT ESA
Eric Koomen, NTFRS
Sandra Lunardi, AFAC
Stuart Males, TFS
Peter Mason, SAMFS
Dan Meijer, NSWRFSS
Graham Randell, Airservices Australia
Peter Svava, NTFRS
Michael Swift, MFB
Jan Szczgiel, FESA

Data Management Group

Chair: Nick Nicolopoulos, NSWFB
John Barratt, ACT ESA
Glen Benson, NSWRFSS
Mick Ayers, CFS
Jill Edwards, AFAC
Anthony Griffiths, DSE
Grant Hamon, NTFRS
James Lonergan, DECC NSW
Alma Hong, NZFS
Ian Moore, ACT ESA
Nancy Morghem, AFAC
Alkmini Sussa, FESA
Selena Stanley, QFRS
David van Geytenbeek, TFS
Lyndsey Wright, MFB

Employee Management Sub Group

Chair (acting): Judy Gouldbourn, AFAC
Conrad Barr, ACT ESA
Denise Brine, SAMFS
Kendall Carter, FESA
Glenn Carthew, QFRS
Alan Chadwick, CFA
Richard Hassam, SAMFS
Paul Herrick, NTFRS
Gail Hislop, SAFECOM
Iain Mackenzie, QFRS
Stuart McMartin, NSWFB
Danny Moroney, NSWRFSS
Michelle Richards, NZFS
Eddie Bennet, QLDSES
Robyn Pearce, TFS
Janine Hearn, NZFS
Peter Watson, CFA

Environmental Management Working Group

Chair: Russell Rees, CFA
Roger Armstrong, DEC WA
Conrad Barr, ACT ESA
Tony Blanks, Forestry Tasmania
Kate Bruerton, CFA
Helen Bull, CFA
Michael Coffey, Airservices Australia
Andrew Comer, TFS
Gorden Friend, DSE
Shannon Heathcote, NSWFB
Robin Hicks, BOM
Philip Klein, MFB

Colin May, AFAC
Rob McNeil, NSWFB
Leigh Miller, SA CFS
Robert Naumann, NTFRS
Steven Pearce, NSWFB
Trevor Perkins, MFB
Danny Richardson, TFS
Rob Saunders, NZFS
James Smith, NSWFB
Ralph Smith, FESA
Tania Tolliday, MFB
Mike Wouters, DEH SA

Unwanted False Alarm Reduction Committee

Chair: Ron Haines, MFB
Gary Barge, MFB
Russell Dickson, NZFS
Karen Enbom, CFA
Christine Herridge, NSWFB
Warwick Isemonger, NSWFB
Colin May, AFAC
Peter Shillington, QFRS
John Streets, TFS
Trevor Wigg, FESA
Rod Bahr, SAMFS
Tony Flaherty, ACT ESA
Grant Hamon, NTFRS
Neil Reid, QFRS

Fire Engineering Project

Chair: Simon Davis, NZFS
Parkan Behayeddin, MFB
David Boverman, NSWFB
Brendan Cross, ACT ESA
Adam Dalrymple, MFB
Jarrod Edwards, MFB
Peter Johnson, NTFRS
Jeff Knight, TFS
Rob Llewellyn, AFAC
Paul McBride, Airservices Australia
Steven McKee, QFRS
Amy Seppelt, SAMFS
Graeme Thom, QFRS
Matthew Wright, CFA

Fire Investigation and Analysis Group

Chair: Greg Buckley, NSWFB
Bob Alexander, NSWFB
Danny Carson, QFRS
Phil Cribb, FESA
Yvette Dowling, SA CFS
Nicole Harvey, CFA
Ian Hunter, MFB
Mark Klop, TFS
Chris Lewis, NSWFB
Rob Llewellyn, AFAC
Ian Lockley, NTFRS
Shaun Ruxton, SAMFS
Peter Wilding, NZFS
Richard Woods, NSWRFSS

Fleet Forum

Chair: Richard Kowalewski, QFRS
Russell Shephard, AFAC
Ian Hall, NSWRFSS
Sandy Patterson, SA CFS
John Ryan, ARFF
T Smith, CFA
Peter Fanning, NSWFB
Po Wah Chung, MFB
Wayne Willimott ACT SES
Van Pham Hue, NSWFB
G Kranainis, FESA
Debbie Pullen, QFRS
Rob Rankin, CFA
David Schmerl, SAMFS
Geoff Williams, SAMFS
Leon Smith, TFS
Arthur Tindall, AFAC/CFS
Peter Turner, MFB
Rob Wilson, MFB
Ron Zatella, FESA
John Allardyce, NZFS
Terry Brownlow, NSWRFSS
Sandy Muzzi, MFB
Gavin Brown, MFB
Peter Church, NSWRFSS
Daryl Wilson, QFRS

Hazardous Materials Working Group

Chair: Chris Watt, MFB
Andrew Andreou, CFA
Wayne Atkins, SA CFS
Bob Crockford, SAMFS

Lindsay Cuneo, FESA
Dave Ellis, NTFRS
Jeff Harper, QFRS
Leith Higgins, FESA
Pat Jones, ACTESA
Andrew Lawson, SA CFS
Barton Lewis, SAMFS
Michael Logan, QFRS
Stuart Males, TFS
Colin May, AFAC
Rob McNeil, NSWFB
Ken O'Brien, CFA
Jim Stuart-Black, NZFS
Krystle Williams, SAMFS

Knowledge Management Group

Chair: Neil Bibby, CFA
Chris Arnol, TFS
Mick Ayre, CFS
Mark Dawson, SAFECOM
Jill Edwards, AFAC
Andrew Edwards, ACSES
Noel Harbottle, QFRS
Elizabeth Hides, FESA
Chris Jenkinson, EMA
Dylan Kendall, ACTESA
Noreen Krusel, CFA
Nancy Morghem, AFAC
Nick Nicolopoulos, NSWFB
Alan Stephens, NTFRS
Mark Swayn, NSWRFSS
Liz Tasker, DECC NSW
Andrew Wilson, DSE
Russell Wood, NZFS
Lyndsey Wright, MFB
Dawn Easton, NSWFB

Learning and Development Group

Chair: David Guard, NZFS
Suzanne Bacon, TFS
Colin Bibby, MFB
Stephen Clayton, DEH SA
Janet Curran, FESA
Richard Griffiths, NSWFB
Sandra Lunardi, AFAC
Julie Nolan, ACT ESA
Loretta Orsini, ACSES
Dave Owen, ACSES
Tessa Piccinin, AFAC
Blair Poulton, Forests NSW
David Rawet, DEC WA
Phil Robeson, NSWRFSS

Andrew Short, QFRS
Annette Turner-Duggan, SAMFS
Lee Watson, SA CFS
Paul Adcock, QFRS
John Butler, CFA
Leonce Jones, NZFRS ITO
Wes Kenny, Airservices Australia
Peter Mason, SAMFS
Carolyn McGregor, DECC NSW
Wayne Richards, TFS

Occupational Health & Safety Sub Group

Chair: Robyn Pearce, TFS
Judy Arthur, SAFECOM
Paul Bailey, NSWFB
John Bartholomew, QFRS
Jarrod Berrington, NTFRS
Judy Gouldbourn, AFAC
Jeff Green, CFA
Alan Harris, NSWRFSS
Kathryn Heiler, NSWFB
Dave Hicks, FESA
Julian Hughes, NZFS
Phil McInerney, MFB
Andrew McKay, MFB
Nicole Middleton, DSE
Andrew Newell, TFS
Brian Parry, ACT ESA
Steve Pavlich, SAFECOM
Melissa Pollock, NSW SES
Robert Naumann, NTFRS

Operations - Rural and Land Management Sub Group

Chair: Murray Dudfield, NZFS
Steve Bishop, Forests NSW
Tony Blanks, Forestry Tasmania
Craigie Brown, Melbourne Water
Mark Chladil, TFS
Ian Christie, Parks Victoria
Richard Clarkson, QPWS
Neil Cooper, ACT Parks Conservation and Lands
Gary Featherston, AFAC
Bruno Greimel, QFRS
Howard Fiedler, FESA
Robin Hicks, BOM
Kerry Hilliard, DOCNZ
Dominic Lane, NSWRFSS
Peter Leeson, QPWS
Peter Locos, Forestry Plantations

Queensland
James Lonergan, DECC NSW
Adrian Pyrke, Parks & Wildlife Tasmania
Russell Rees, CFA
Islay Robertson, Forestry SA
Steve Rothwell, QFRS
Rob Sandford, SA CFS
Rick Sneeuwjagt, DEC WA
Stephen Sutton, Bushfires NT
Ewan Waller, DSE
Stephen Warren, ACSES
Shane Wiseman, DEH, SA
Grant Allan, Bushfires NT
Glenn Benham, SAMFS
Jim Gould, Bushfire CRC
Gary Morgan, Bushfire CRC
Brian Parry, ACT ESA

Operations - Urban Sub Group

Chair: Greg Nettleton, NTFRS
Lloyd Bailey, FESA
Alan Brinkworth, NSWRFSS
Haydon Castle, SAMFS
Tony Davidson, TFS
Jim Hamilton, NSWFB
Andrew Lawson, SA CFS
Colin May, AFAC
Paul McGill, NZFS
Ian Mitchell, QFRS
Tony Murphy, MFB
Steve Warrington, CFA
Chris Watt, MFB
Malim Watts SA CFS
Andrew Werner, Airservices Australia
Trevor Arnold, SA SES

Personal Protective Equipment Committee

Chair: Hans Bootsma, NSWFB
Andre Belterman, Melbourne Water
Steve Brown, Forests NSW
Michael Duyckers, FESA
Klaus Haak, NSWRFSS
Terry Hitch, MFB
Carl Hollis, DECC NSW
Ian Lockley, NTFRS
Paul McBride, Airservices Australia
Albert Mclean, QFRS
Russell Shephard, AFAC
Cameron Stott, SAMFS
Mark Tarbett, CFA

Arthur Tindall, AFAC
Keith Whale, NZFS
Tim Wiebusch, Victoria SES
Elizabeth Bednarski, MFB
Jeff Cartwright, SES

SES Sub Group

Chair: Andrew Lea, Tasmania SES
Rob Romaldi, NT SES
Leeann Farmer, QLDSES
Dieter Gescke, NSW SES
Rhys Maggs, AFAC
Matt Maywald, SA SES
Trevor White, Victoria SES
Eddie Bennet, QLDSES
Elke Brown, Tasmania SES
Ian Turnball, ACT SES
Gary Gifford, FESA

Urban Search & Rescue Project Group

Chair: Jim Hamilton, NSWFB
John Denny, NSWFB
Trevor Arnold, SA SES
Conrad Barr, ACT ESA
Glenn Benham, SAMFS
Mark Dobson, TFS
Bill Drysdale, MFB
James Gustus, EMA
David Kemp, SAMFS
Warwick Kidd, NSWFB
Hendrik Liefertink, FESA
Gary Littlewood, QFRS
Colin May, AFAC
Ken O'Brien, CFA
Jim Stuart-Black, NZFS
Robert Trewartha, NTFRS

Vector Command Strategic Management Reference Group

Chair: David Guard, NZFS
James Coyne, VectorCommand Ltd
Janet Curran, FESA
Richard Griffiths, NSWFB
Greg Kent, ACT ESA
Sandra Lunardi, AFAC
Peter Mason, SAMFS
Peter Rau, CFA
Andrew Short, QFRS

Paul Swain, MFB
Andrew Werner, Airservices Australia

VectorCommand User Reference Group

Chair: Jeff King, QFRS
Danny Brighenti, ACT ESA
Malcolm Bruce, CFA
Paul Gibbs, FESA
Joe Hodgson, SAMFS
Eddie Lacko, QFRS
Sandra Lunardi, AFAC
Grey Parkes, NSWFB
Rick Parks, NSWFB
Paul Rowe, MFB
Aaron Stockton, CFA
Gavin Ward, NZFS
Andrew Werner, Airservices Australia

Volunteer & Employee Management Group

Chair: Greg Mullins, NSWFB
Ray Clarke, QFRS
Mark Dole, QLDSES
Judy Gouldbourn, AFAC
Richard Hassam, SAMFS

Paul Herrick, NTFRS
Barbara Lewis, CFA
Sandra Lunardi, AFAC
Iain Mackenzie, QFRS
Danny Moroney, NSWRFSS
Brian Parry, ACT ESA
Frank Pasquale, FESA
David Rae, NSW SES
David Rawet, DEC WA
Janine Hearn, NZFS
Dave Hicks, FESA
Robyn Pearce, TFS
Shane Wright, MFB
Mark Kelly, NSWFB

Volunteer Management Sub Group

Chair: Dave Hicks, FESA
Ken Burns, TFS
Heather Clark, NZFS
Paul Garvey, CFA
Judy Gouldbourn, AFAC
Aaire Palmer, SAFECOM
Tony Parkinson, NTFRS

Brian Parry, ACT ESA
Kerrie Purcell, QFRS
Martin Surrey, NSWRFSS

Wildfire Aviation Technical Group

Chair: David Cant, SA CFS
Richard Alder, AFAC
Paul Baker, NZFS
Wayne Bates, QFRS
Matthew Brooke, ACTRFS
Malim Watts, SA CFS
Maryanne Carmichael, NSWRFSS
Lyndsay Cuneo, FESA
Gary Featherston, AFAC
Peter Hollier, QFRS
Raymond Jasper, NSW SES
Terry Maher, DEC WA
Tim McGuffog, ACT ESA
Ian Millman, NZRFS
Matt Plucinski, CSIRO
Danny Reid, TFS
Nick Ryan, DSE
Peter Saint, FESA
Paul Salter, TFS
Ken Burns, TFS

AFAC Representation on Standards Committees

A Dalrymple, MFB
A Henderson, NZFS
A Whelan, NSWFB
A Whelan, NSWFB
B Aspinall, NSWFB
B Hook, QLDFRS
Behayeddin, MFB
B Hughes-Brown, NSWFB
Buckley, NSWFB
C Tonks, CFA
C Watt, MFB
D Jenkins, MFB
D Goreham, SAMFS
D Coyte, NSWFB
G Parish, NZFS
G Parkes, NSWFB
G Thom, QLDFRS
H Bootsma, NSWFB
J Black, NSWFB

J Edwards, MFB
J Ferguson, MFB
J Harper, QLDFRS
J Knight, TFS
J Parrot, CFA
J Smith, NSWFB
J Stuart-Black, NZFS
K Whale, NZFS
L Higgins, FESA
M Castelli, NSWFB
M Chladil, TFS
M Kidd, NZFS
M Klop, TFS
M Logan, QLDFRS
M McAlister, SACFS
M Porter, NSWFB
M Potter, CFA
M Ridgway, QLDFRS
M Smith, QLDFRS
N Krusel, CFA
N Nicolopoulos, NSWFB

P Beever, NZFS
P Beylerian, NSWFB
P Dempsey, NZFS
P Nugent, NSWFB
P Oakley, TFS
R Bott, QCU
R Hook, QLDFRS
R Llewellyn, AFAC
R Marshall, MFB
R McNeil, NSWFB
R Shephard, AFAC
R Smith, FESA
R Fig,g SAMFS
R Spiteri, NSWFB
S Gupta, NSWFB
S McKee, QLDFRS
S Watts, MFB
T Perkins, MFESB
T Hayesm, CFA
W Kidd, NSWFB
W Isemonger, NSWFB



Copyright © 2008, Australasian Fire and Emergency Service Authorities Council

All rights reserved. Copyright in this publication is subject to the operation of the Copyright Act 1968 and its subsequent amendments. Any material contained in this document can be reproduced, providing the source is acknowledged and it is not used for any commercialisation purpose whatsoever without the permission of the copyright owner.

AFAC Limited (ABN 52 060 049 327)

Level 5, 340 Albert Street

East Melbourne Victoria 3002

T: +61 3 9419 2388

F: +61 3 9419 2389

E: afac@afac.com.au

W: www.afac.com.au