SAFETY ON THE FIREGROUND

David Nichols
Country Fire Authority

Program D

1. Six Projects on Safety on the Fire Ground
2. Two Projects On Fire Fighter Safety
3. Two Projects on Smoke
4. One project on Decision Making
5. One Project on Information for Incident Management Team
Project D 2.1 Firefighter Health & Safety

1. Provide guidelines to improve the health and safety of fire fighters on the fireground
   - Fire fighter fitness and work capacity
   - Work and rest cycles
   - Fatigue
   - Energy and nutrition

2. Focus on volunteers and career staff
3. Fire tanker based

Project D 2.4 Safe, Cost Effective Equipment

1. Increase the safety of fire fighters through improvements in fire fighting equipment
2. User Survey
   a) Communications
   b) Personnel protective clothing and equipment
   c) Retardants and suppressants
   d) New technologies
3. Trials
   a) Protective clothing testing method
   b) Diesel engine trials
Project D2.2 Personal Exposure of Firefighters to Air Toxics

1. Develop guidelines for personal exposure to bushfire smoke
2. Assessment of toxics on the fire ground
3. Smoke sampling on fire ground
   a) Prescribed burns
   b) Wildfire

Project D4 Respiratory Health of Firefighters

1. Investigate the respiratory health of firefighters and the efficacy of protective filters improvements in fire fighting equipment
2. Short term evaluation
   a) Multiple mask filter tests
   b) Controlled trials
   c) Field trials
3. Long term evaluation
   a) Medical records
   b) Agency records
Project D 2.3 Safety in Decision Making and Behaviour

1. Identify human factors that lead to decision making on the fire ground
2. Conduct field interviews
   a) Wildfires
   b) Controlled burns
3. Computer simulations - Network Fire Chief
4. Outcomes
   a) Training
   b) Decision making guidelines

Project D 5 Information flow for Incident Management Teams

1. Identify information flows and improvements at IMT
2. Conduct surveys
3. Analyse information flows in the field

Outcomes
   a) Training
   b) Decision making guidelines