



PROGRAM D

→ SAFETY ON THE FIREGROUND

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SAFETY FIRST



PROGRAM D : Safety on the Fireground

→ 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 fire fighters 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 D5 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