

## Provide first aid for trauma and medical emergency situations

**Level** 3

**Credits** 5

**Purpose** This unit standard is for fire fighters who attend emergency situations.

People credited with this unit standard are able to: provide resuscitation in an emergency situation; perform single casualty assessment and treatment; and apply triage techniques to a mass casualty situation.

**Subfield** Fire and Rescue Services

**Domain** Fire and Rescue Services - Structural and Industrial

**Status** Registered

**Status date** 21 September 2007

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**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Fire and Rescue Services Industry Training Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0039

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Competence may be demonstrated in real or simulated emergency situations against different scenarios from a pool of scenarios developed by the provider.
- 3 Range  
The impact of hazardous situation(s) must be assessed, recognised and managed to ensure safe conditions for rescuer(s), bystander(s) and casualty(ies).

Evidence of a minimum of three hazards must be presented from the following contexts – smoke, heat, motor vehicle accident, urban search and rescue, aircraft, rural, electrical storm, crowd, natural disaster, confined space, toxic environment, chemical or fuel spillage.

- 4 This unit standard requires the use of specific equipment for oxygen delivery and trauma and medical management. Resuscitation, trauma and medical equipment must be operated in accordance with the manufacturer's instructions and procedures. *Types of resuscitation equipment* include oxygen cylinder and regulator, oxygen therapy mask and tubing, mouth-to-mouth one-way face mask with supplemental oxygen, bag-valve mask and oropharyngeal (OP) airways. *Types of trauma and medical equipment* include cervical spine collar, first aid kits as prescribed in the primary reference.
- 5 Resuscitation techniques must be demonstrated for adult, child, and infant.
- 6 Definitions  
*Emergency* refers to a situation or event where immediate action must be taken to protect people and property that are at risk. Emergencies may include but are not limited to – fire, flood, storm, earthquake, tsunami, volcanic activity, hazardous substance emergency, bomb threat, subversive action, war, civil unrest, or a combination thereof.  
*Resuscitation* is the attempt to reverse illness and injury that cause sudden death, most commonly by reversing respiratory insufficiency or arrest and shock or cardiac arrest.  
*Trauma* is any injury or wound caused by external force or violence.  
*Triage* is a process to assess all casualties in a mass casualty situation.  
*Medical* is any alteration in the normal function of the body caused by a disease process.  
*Mass casualty* is when the number and/or severity of casualties and/or injuries overwhelm the number of rescuers and resources.
- 7 The primary reference for this unit standard is the New Zealand Fire Service, *New Zealand First Aid Technical Manual*, and subsequent amendments. This reference is available from New Zealand Fire Service, National Training, PO Box 27143, Wellington.

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## Elements and performance criteria

### Element 1

Provide resuscitation in an emergency situation.

### Performance criteria

- 1.1 Casualty's condition is assessed and treated using resuscitation equipment and relevant trauma and medical equipment in accordance with the primary reference.
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| Range | indicators of condition, level of consciousness, airway, breathing, chest compressions. |
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- 1.2 Casualty's condition is monitored and casualty handover briefing is provided to the responding medical provider in accordance with the primary reference.

## Element 2

Perform systematic single casualty assessment and treatment in accordance with the primary reference.

### Performance criteria

- 2.1 Actions are taken to assess and treat a conscious medical casualty.
- Range level of consciousness, adequacy of breathing, history taking.
- 2.2 Actions are taken to assess and treat an unconscious medical casualty.
- Range level of consciousness, airway, adequacy of breathing, history gathering.
- 2.3 Actions are taken to assess and treat a conscious trauma casualty.
- Range mechanism of injury, level of consciousness, adequacy of breathing, bleeding, secondary survey.
- 2.4 Actions are taken to assess and treat an unconscious trauma casualty.
- Range level of consciousness, airway, adequacy of breathing, bleeding, secondary survey.

## Element 3

Apply triage techniques to a mass casualty situation.

### Performance criteria

- 3.1 The requirement for mass casualty handling procedures is applied in accordance with the primary reference.
- 3.2 Casualties are prioritised according to the severity of their condition(s) with respect to the threat to life.
- Range mobile, immobile.
- 3.3 Each casualty is assessed, prioritised and treated according to their condition in accordance with the primary reference.
- Range level of consciousness, airway, adequacy of breathing, bleeding, secondary survey.

### **Please note**

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### **Comments on this unit standard**

Please contact the Fire and Rescue Services Industry Training Organisation [info@frsito.org.nz](mailto:info@frsito.org.nz) if you wish to suggest changes to the content of this unit standard.