



Australian Government

Department of Education, Employment and Workplace Relations

HLTFA404A Apply advanced resuscitation techniques

Release: 1

HLTFA404A Apply advanced resuscitation techniques

Modification History

Unit Descriptor

This unit deals with the provision of advanced first aid resuscitation techniques, life support, and management of casualty(s), until the arrival of medical or other assistance, and provision of support to other providers

Application of the Unit

Training Package users should ensure implementation is consistent with any specific workplace and/or relevant legislative requirements in relation to first aid, including State/Territory requirements for currency

Application of these skills and knowledge should be contextualised as required to address specific industry, enterprise or workplace requirements and to address specific risks and hazards and associated injuries

Licensing/Regulatory Information

Pre-Requisites

This unit should be assessed after achievement of one of the following related competency units:

HLTFA301B Apply first aid

HLTCPR201A Perform CPR **or**

HLTFA201A Provide emergency life support

In general it is recommended that people using advanced resuscitation techniques have completed **HLTFA301B Apply first aid**

However, it is recognised that some employers require staff to be able to apply advanced resuscitation techniques without requiring this first aid competency

Employability Skills Information

The required outcomes described in this unit of competency contain applicable facets of Employability Skills

The Employability Skills Summary of the qualification in which this unit of competency is packaged will assist in identifying Employability Skill requirements

Elements and Performance Criteria Pre-Content

Elements define the essential outcomes of a unit of competency.

The Performance Criteria specify the level of performance required to demonstrate achievement of the Element. Terms in *italics* are elaborated in the Range Statement.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Prepare resuscitation equipment ready for use	<ul style="list-style-type: none">1.1 Undertake pre-use check of resuscitation equipment in accordance with organisation procedures, manufacturer's instructions, industry standards and regulatory requirements1.2 Diagnose minor equipment faults and rectify within the scope of organisation procedures and manufacturer's instructions1.3 Identify and deal with major faults and defects in accordance with organisation procedures
2 Apply bag and mask resuscitation technique	<ul style="list-style-type: none">2.1 Assemble the bag valve mask resuscitation device2.2 Use the bag valve mask device in the delivery of CPR2.3 Select and use an oropharyngeal airway to maintain a casualty's airway2.4 Rectify issues preventing adequate treatment as they arise
3 Attach and operate an AED	<ul style="list-style-type: none">3.1 Prepare the casualty in accordance with manufacturer's requirements and ARC Guidelines.3.2 Attach the AED and operate in accordance with organisation procedures, manufacturer's guidelines, ARC guidelines and state legislation3.3 Coordinate the operation of the AED with the resuscitation team to minimise interruption to CPR efforts

- 4 Administer oxygen
 - 4.1 Apply the medical and safety precautions associated with storing, handling and administering oxygen
 - 4.2 Select and operate oxygen masks and cannulae in delivery of oxygen therapy
 - 4.3 Provide oxygen to a bag valve mask device
 - 4.4 Provide supplemental oxygen to a breathing casualty
- 5 Operate suction equipment
 - 5.1 Apply medical and safety precautions associated with the provision of manual and oxygen powered suction devices
 - 5.2 Select and operate suction catheters and devices
 - 5.3 Provide suction during the application of advanced resuscitation techniques
- 6 Restore and maintain equipment ready for future use
 - 6.1 Clean, discard, disinfect, replenish and recharge **equipment** in accordance with organisation procedures and manufacturer's instructions
 - 6.2 Diagnose and rectify minor faults within the scope of organisation procedures and manufacturer's instructions
 - 6.3 Identify and deal with major faults and defects in accordance with organisation procedures

Required Skills and Knowledge

This describes the essential skills and knowledge and their level required for this unit.

Essential knowledge:

Working knowledge of:

Legal responsibilities and duty of care, including confidentiality

Basic anatomy (skeleton, muscles, joints, bones), physiology and toxicology as it relates to the provision of advanced first aid resuscitation, including:

- . relevant organs of the cardio pulmonary system and their operation
- . basic electrical activity associated with normal and abnormal heart rhythm

ARC Guidelines and/or State/Territory regulations, legislation and policies relating to provision of first aid

Procedures for dealing with major and minor accidents in the workplace

Infection control principles and procedures, including using standard precautions

How to gain access to and interpret material safety data sheets (MSDSs)

Company/organisation standard operating procedures (SOPs)

Priorities of management in first aid

Occupational health and safety requirements in the provision of first aid.

Capabilities of emergency management services

First Aiders' skills and limitations

Safe storage and handling procedures for pressurised gases, oxygen and battery operated equipment

Chain of survival, including:

purpose of bystander CPR

aim and function of Advanced Resuscitation techniques in the Chain of Survival

Benefits of providing oxygen to a casualty and of providing suction during the application of advanced resuscitation techniques

First aid management procedures in accordance with ARC Guidelines, State/Territory regulations, legislation and policies and organisation requirements for equipment and conditions identified in the Range Statement and including:

use of bag valve mask device, AED, oxygen therapy equipment, manual and oxygen powered suction, and oropharyngeal airways

sudden cardiac arrest
collapse, unconsciousness
shock
airway management including foreign body airway obstruction
hypoxia

Incident management procedures:

manual handling, hazardous substances, dangerous goods or chemicals
safe access to the casualty
awareness of confined spaces and dangerous places
removal of casualty to safe area, if appropriate
coordinate activities of other first aiders, if applicable

continued ...

Essential knowledge (contd):

Complications and associated methods of management for conditions identified in the Range Statement

State and territory regulations, or organisation policy requirements relating to currency of skill and knowledge

Social issues, especially in particular workplace or community context(s) in which first aid is to be applied, including:

importance of debriefing
need to be culturally aware, sensitive and respectful
confidentiality
own skills and limitations
awareness of stress management techniques and available support

Essential skills:

Ability to:

Manage specific injuries/illnesses and conditions as identified in the Range Statement for this competency unit

Conduct an initial casualty assessment

Plan an appropriate first aid response in line with established first aid principles, policies and procedures, ARC Guidelines and/or State/Territory regulations, legislation and policies

and industry requirements and respond appropriately to contingencies in line with own skills

Apply appropriate resuscitation techniques, including use of:

oxygen in resuscitation and oxygen therapy

bag valve mask resuscitation device

AED

mechanical and oxygen powered suction devices

oropharyngeal airways

Demonstrate:

assembly of the bag valve mask resuscitation device

effective use of the bag valve mask device on a manikin

selection and use of an oropharyngeal airway

correct selection and operation of oxygen masks and cannulae

provision of oxygen to a bag valve mask device

provision of supplemental oxygen to a breathing patient

correct selection and operation of suction catheters and devices

safe manual handling

adequate infection control procedures

consideration of the welfare of the casualty

safe storage and handling procedures for pressurised gases and battery operated equipment

continued ...

Essential skills (contd):

Ability to:

Incorporate the use of all equipment into effective treatment of illness/injuries specified in the Range Statement

Demonstrate the application of first aid principles

Comply with OHS legislation

Administer oxygen in line with state/territory regulations, legislation and policies and any available medical/pharmaceutical instructions

Prepare a written incident report or provide information to enable preparation of an incident report

Interpret and use listed documents

Communicate effectively and assertively and show leadership in an incident

Make prompt and appropriate decisions relating to managing an incident in the workplace

Use literacy and numeracy skills as required to read, interpret and apply instructions, guidelines and protocols

Call an ambulance and/or medical assistance according to relevant circumstances and report casualty's condition

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects of assessment:

Assessment must include demonstrated evidence of specified Essential Knowledge and Essential Skills identified in this competency unit

Competence should be demonstrated working individually and, where appropriate, as part of a first aid team

Consistency of performance should be demonstrated over the required range of situations relevant to the workplace or community setting

Currency of first aid knowledge and skills is to be demonstrated in line with State/Territory regulations, legislation and policies, ARC and industry guidelines

Method of assessment may include:

Skills in performing advanced resuscitation procedures are to be assessed through demonstration, with questioning to confirm essential knowledge

Skills are to be assessed through simulations, using anatomical models, manikins or in a high fidelity simulation centre

For assessment purposes, demonstration of skills in CPR procedures require using a model of the human body (resuscitation manikin) in line with ARC Guidelines

Access and equity considerations:

All participants undertaking this unit should be aware of access and equity issues in relation to their own area of work or involvement

All workers should develop their ability to work in a culturally diverse environment

In recognition of particular health issues facing Aboriginal and Torres Strait Islander communities, workers should be aware of cultural, historical and current issues impacting on health of Aboriginal and Torres Strait Islander people

Assessors and trainers must take into account relevant access and equity issues, in particular relating to factors impacting on health of Aboriginal and/or Torres Strait Islander clients and communities

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Contextualisation to address specific requirements may include:

Focus on first aid management of specific types of injury

First aid provision under specific constraints or circumstances (eg. in confined spaces, in maritime work environment or in work environment involving identified risks/hazards)

First aid management must take into account:

Workplace policies and procedures

Industry/site specific regulations, codes etc.

OHS requirements

State and territory workplace health and safety requirements

A hazard is:

A source or situation with the potential for harm in terms of human injury or ill-health, damage to property, the environment, or a combination of these

An AED is:

Automatic External Defibrillator

Semi-automatic External Defibrillator

Hazards may include:

Physical hazards
Biological hazards
Chemical hazards
Hazards associated with manual handling

Risks may include:

Risks from worksite equipment, machinery and substances
Risks from first aid equipment (oxygen cylinders, AED)
Environmental risks
Exposure to blood and other body substances
Risk of further injury to the casualty
Risks associated with the proximity of other workers and bystanders
Risks from vehicles
Fallen power lines, step and touch potential

Casualty's condition is managed for:

Sudden cardiac arrest
Collapse/unconsciousness
Foreign body airway obstruction
No signs of life
Respiratory distress
Shock
Hypoxia

First aid management skills must include in accordance with ARC Guidelines, state/territory regulations, legislation and policies and industry requirements:

CPR
Infection control
AED
Oxygen administration

First aid management must account for:

Location and nature of the workplace
Environmental conditions e.g. electricity (high or low voltage), biological risks, weather, motor vehicle accidents
Location of emergency services personnel
Number of casualties and potential casualties
Use and availability of first aid equipment, resources and pharmaceuticals
Types of dangers/risks to the casualty and any others in the vicinity of the situation
Confined spaces, subject to industry need

Resources and equipment are used appropriate to the risk to be met and may include:

Oxygen therapy equipment (e.g. masks, cannulae and tubing) and cylinders
Bag valve mask resuscitation device
AED
First aid kit
Resuscitation mask or barrier device
Mechanical and oxygen powered suction device
Oropharyngeal airway
Gloves
Razor
Shears
Cleaning wipes or towels

Information to be documented may include:

Time

Location

Description of condition of patient

First aid management

Administration of medication including:
time

date

person administering

dose

Number of electrical shocks attempted

Vital signs

Established first aid principles include:

Checking the site for danger to self, the casualty and others and minimising the danger

Checking and maintaining the casualty's airway, breathing and circulation

Unit Sector(s)