

**Appendix 1: Competency Standard**

**21658VIC COURSE IN AUTOMATED EXTERNAL DEFIBRILLATION**

<b>Unit Code VBP432</b>	<b>Unit title - Apply Automated External Defibrillation</b>
<b>Unit Descriptor</b>	This unit describes the outcomes required to safely provide Automated External Defibrillation (AED) until the arrival of medical assistance. For the purposes of this unit Automated External Defibrillator includes semi and automated external defibrillators..  No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
<b>Application of the Unit</b>	This unit can be applied in either the workplace or in the community. Evidence exists that the provision of early defibrillation improves survival from cardiac arrest occurring outside a hospital setting.

**ELEMENT**  
 Elements describe the essential outcomes of a unit of competency.

**PERFORMANCE CRITERIA**  
 Performance criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge and/or the range statement. Assessment of performance is to be consistent with the evidence guide.

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| <b>1 Assess the situation</b>                 | 1.1 <i>Physical hazards</i> are identified and minimised and/or removed according to <i>established first aid principles and procedures</i><br>1.2 <i>Risks to first aider</i> and others are assessed<br>1.3 <i>Appropriate response</i> is determined to ensure prompt control of <i>situation</i><br>1.4 <i>Casualty is recognised to be unconscious, non-breathing and with no other signs of circulation</i>                   |
| <b>2 Use automated external defibrillator</b> | 2.1 <i>Cardiopulmonary resuscitation is applied as required</i><br>2.2 <i>Resources and equipment are identified, accessed and assessed</i><br>2.3 <i>Automated external defibrillator (AED) is operated as per manufacturer's instructions and AED prompts are followed accordingly</i><br>2.4 <i>Casualty's condition is monitored and responded to in accordance with established principles, procedures and the AED prompts</i> |
| <b>3 Communicate details of the incident</b>  | 3.1 <i>Appropriate emergency assistance is requested using relevant media and equipment</i><br>3.2 <i>Details of casualty's condition and first aid management activities are accurately conveyed to emergency services/relieving personnel</i><br>3.3 <i>Documentation is completed in a timely manner, presenting all relevant facts according to established procedures</i>  |

**REQUIRED SKILLS AND KNOWLEDGE**

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

- Knowledge and skills to carry out first aid principles and procedures
- Knowledge and ability to appropriately control situation prior to AED application
- Knowledge and skills to appropriately recognise condition of casualty
- Knowledge and skills to apply Cardiopulmonary Resuscitation (CPR)
- Knowledge and skills to use resources and equipment appropriately
- Knowledge and skills to apply AED
- Knowledge and skills to request appropriate emergency assistance
- Knowledge and skills to accurately convey casualty's details to emergency services
- Knowledge and skills to complete relevant documentation

**RANGE OF VARIABLES**

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

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| <b>Physical Hazards may include</b>                                | <ul style="list-style-type: none"> <li>• Workplace hazards</li> <li>• Environmental hazards</li> <li>• Proximity of other people</li> <li>• Hazards associated with the casualty management</li> <li>• Hazards associated with the use of Automated External Defibrillators (AEDs)</li> </ul>   |
| <b>Established First Aid Principles and Procedures may include</b> | <ul style="list-style-type: none"> <li>• Checking the site for danger to self, casualty and others and minimising the danger</li> <li>• Checking and maintaining the casualty's airway, breathing and circulation</li> <li>• Appropriate maintenance and checking of AED machine as per manufacturer's instructions</li> <li>• Australian Resuscitation Council guidelines or equivalent are followed</li> <li>• Appropriate emergency assistance may include medical, paramedic, ambulance, higher level first aider, utilities, police, fire &amp; ambulance</li> </ul> |
| <b>Risks to First Aider may include</b>                            | <ul style="list-style-type: none"> <li>• Worksite equipment, machinery and substances</li> <li>• Environmental risks</li> <li>• Contamination by bodily fluids</li> <li>• Risk of further injury to the casualty</li> <li>• Risks associated with the proximity of other workers and bystanders</li> <li>• Risks associated with the use of AEDs</li> </ul>   |
| <b>Appropriate Response may include</b>                            | <ul style="list-style-type: none"> <li>• Bystander safety</li> <li>• Requesting emergency assistance</li> <li>• Enlisting bystander assistance</li> </ul>   |
| <b>Resources and Equipment may include</b>                         | <ul style="list-style-type: none"> <li>• Automated external defibrillators (AEDs) training units and associated equipment</li> <li>• Resuscitation masks and other appropriate barrier devices</li> <li>• Protective gloves</li> <li>• Appropriate cleaning and disinfectant resources</li> </ul>   |
| <b>Casualty's condition</b>  | <ul style="list-style-type: none"> <li>• Unconsciousness</li> <li>• Cardiac arrest</li> </ul>   |
| <b>Appropriate Emergency Assistance may include</b>                | <ul style="list-style-type: none"> <li>• Ambulance</li> <li>• Fire Brigade</li> </ul>   |
| <b>Relevant Communication media or Equipment</b>                   | <ul style="list-style-type: none"> <li>• Telephone (Landline, mobile and satellite)</li> <li>• Two way radio</li> <li>• Alarm systems</li> </ul>  |
| <b>First aid activities</b>  | <ul style="list-style-type: none"> <li>• CPR details</li> <li>• Defibrillator details provided</li> <li>• Estimated delay time prior to application of defibrillator</li> <li>• Condition of casualty</li> </ul>  |
| <b>Emergency Services/Relieving Personnel may include</b>          | <ul style="list-style-type: none"> <li>• Medical</li> <li>• Paramedic</li> <li>• Ambulance</li> <li>• Other first aiders</li> </ul>   |
| <b>Documentation may include</b>                                   | <ul style="list-style-type: none"> <li>• Required WorkCover documentation</li> <li>• Workplace documents</li> <li>• Statutory requirements</li> </ul>   |

**RANGE OF VARIABLES**

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

**EVIDENCE GUIDE**

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, and the Range Statements

**Critical aspects for assessment and evidence required to demonstrate competency in this unit**

Demonstrated ability to:

- Assess the situation taking into consideration the casualty, risks, physical hazards, appropriate response to take control of the situation
- Appropriately apply the automated external defibrillator and deliver cardiopulmonary resuscitation
- Communicate details of the incident including requesting emergency assistance, conveying details of the casualty to emergency services and producing appropriate documentation according to established procedures

**Context of and specific resources for assessment**

The assessment context must provide for:

- Practical demonstration of the application of AED
- Assessment of performance requirements in this unit should include assessment in a simulated environment
- The following assessment methods are suggested:

**Method of assessment (Optional)**

- Assessment should cover a range of skills and knowledge required to demonstrate achievement of the course aim.
- Assessment methods may include practical application and demonstration of skills, oral presentations, written assignments or tests, short answer tests, observation, structured questions and problem solving scenarios.
- Assessment should take place in a variety of scenarios requiring the use of defibrillation and cardiopulmonary resuscitation.