



Australian Government

AVIF0002 Provide first aid in an aviation environment

Release: 1

AVIF0002 Provide first aid in an aviation environment

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to provide first aid in an aviation environment, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes responding to an inflight emergency, applying appropriate inflight first aid procedures, communicating incident details, and evaluating incident and own performance.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to safety management duties of flight and ground operations personnel, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aviation activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision as a single operator or within a team environment.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Specific licensing/regulatory requirements relating to this unit of competency, including requirements for refresher training, should be obtained from the relevant national/state/territory work health and safety regulatory authority.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- | | |
|--|---|
| 1 Respond to an inflight first aid emergency | <ul style="list-style-type: none">1.1 Inflight first aid emergencies are recognised1.2 Immediate hazards to health and safety of self and others are identified, assessed and managed1.3 A systematic patient assessment allowing for quick identification of at-risk patients is completed1.4 Situation is assessed and assistance is sought from other flight crew or aviation support services |
| 2 Apply appropriate inflight first aid procedures | <ul style="list-style-type: none">2.1 Cardiopulmonary resuscitation (CPR) is performed in accordance with Australian Resuscitation Council (ARC) guidelines2.2 Inflight first aid is provided in accordance with established first aid principles2.3 Respectful behaviour towards casualty is displayed2.4 Consent from casualty is obtained where possible2.5 Available aircraft resources and equipment are used to make casualty as comfortable as possible2.6 First aid equipment is operated in accordance with manufacturer instructions2.7 Casualty's condition is monitored continuously and responded to in accordance with first aid principles |
| 3 Communicate incident details | <ul style="list-style-type: none">3.1 Incident and patient details are accurately conveyed to emergency response services3.2 Details of incident are reported to workplace supervisor as appropriate3.3 Comprehensive patient records are completed and confidentiality of these records and information is maintained in accordance with statutory and/or organisational policies |
| 4 Evaluate impact of | <ul style="list-style-type: none">4.1 Possible psychological impacts on self and other responders |

**incident on own
performance**

- involved in critical incidents are recognised
- 4.2 Individual needs are addressed in debriefing participation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Inflight first aid emergencies must include two or more of the following:

- cardiac
- cardiovascular
- ear, nose and throat (ENT)
- gastrointestinal
- infectious disease
- musculoskeletal
- neurological
- psychiatric
- respiratory
- vasovagal
- urological

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>

Assessment Requirements for AVIF0002 Provide first aid in an aviation environment

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- applying appropriate first aid procedures for at least two of the following:
 - allergic reaction
 - anaphylaxis
 - bleeding control
 - cardiac
 - cardiovascular
 - choking and airway obstruction
 - ear, nose and throat (ENT)
 - fractures, sprains and strains, using arm slings, roller bandages or other appropriate immobilisation techniques
 - gastrointestinal
 - infectious disease
 - musculoskeletal
 - neurological
 - psychiatric
 - respiratory distress, including asthma
 - shock
 - urological
 - vasovagal
- communicating effectively with others
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- performing cardiopulmonary resuscitation (CPR in accordance with Australian Resuscitation Council (ARC) guidelines, including:
 - performing at least 2 minutes of uninterrupted single rescuer CPR (5 cycles of both compressions and ventilations) on an adult resuscitation manikin placed on the floor
 - performing at least 2 minutes of uninterrupted single rescuer CPR (5 cycles both compressions and ventilations) on an infant resuscitation manikin placed on a firm

- surface
- responding appropriately in a regurgitation or vomiting
- managing an unconscious breathing casualty
- following single rescue procedure, including demonstrating a rotation of operators with minimal interruptions to compressions
- following the prompts of an automated external defibrillator (AED)
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- responding to at least two inflight first aid emergencies, including:
 - conducting a visual and verbal assessment of the casualty
 - applying safe manual handling techniques
 - participating in a post-incident debrief and evaluation
 - providing an accurate verbal or written incident report.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- aircraft first aid resources and equipment:
 - aircraft first aid kits
 - aviation life support equipment
- aviation human factors:
 - aspects of lifestyle that may adversely influence personal physiological conditions inflight
 - atmospheric pressure changes
 - deep vein thrombosis (DVT) and other potential physiological hazards of air flight disease
 - fatigue
 - hyperventilation
 - intoxication
 - lack of oxygen due to cabin depressurisation or problems with air supply
 - personal injury
 - physical fitness
 - physical illness
 - spatial disorientation
 - visual illusions
 - aspects of lifestyle that may adversely influence personal psychological conditions inflight

- mental illness
- grief
- trauma
- interpersonal conflict
- overwork
- anxiety
- uncontrolled fear response
- uncontrolled stress
- secondary effects of illness, disease or injury
- CPR techniques in accordance with ARC guidelines
- considerations when providing first aid including:
 - airway obstruction due to body position
 - appropriate duration and cessation of CPR
 - appropriate use of an AED
 - chain of survival
 - standard precautions
 - how to conduct a visual and verbal assessment of the casualty
- legal, workplace and community considerations including:
 - awareness of potential need for stress-management techniques and available support following a first aid emergency
 - duty of care requirements
 - respectful behaviour towards a casualty
 - own skills and limitations
 - consent
 - privacy and confidentiality requirements
 - importance of debriefing
- principles and procedures for managing the following first aid scenarios:
 - allergic reaction
 - anaphylaxis
 - bleeding control
 - cardiac
 - cardiovascular
 - choking and airway obstruction
 - ENT
 - fractures, sprains and strains, using arm slings, roller bandages or other appropriate immobilisation techniques
 - gastrointestinal
 - infectious disease
 - musculoskeletal
 - neurological

- pathological control
- psychiatric
- respiratory distress, including asthma
- shock
- urological
- vasovagal
- state/territory regulations, first aid codes of practice and workplace procedures including:
 - ARC Guidelines relevant to provision of CPR and first aid
 - safe work practices to minimise risks and potential hazards
 - infection control principles and procedures, including use of standard precautions
 - requirements for currency of skills and knowledge.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry.

Links

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