



Australian Government

AVIW0041 Undertake helicopter aquatic rescue and recovery

Release: 1

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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 undertake an aircraft aquatic rescue and recovery in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing and responding to aquatic rescue incidents from a helicopter, assessing the rescue scene, and developing aquatic rescue plans. It also includes gaining access and performing an aquatic rescue of a patient, recovering the patient, and concluding the aquatic rescue.

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

Operations are conducted across a variety of operational contexts within the Australian aviation industry.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

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.

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| 1 Prepare and respond to rescue | 1.1 Operation and task information is obtained from communications centre, briefing from supervisor or other sources |
| | 1.2 Rescue equipment and resources are identified and selected based on task information received |
| | 1.3 Personal protective equipment and clothing is selected based on the nature of the rescue operation |
| | 1.4 Additional details on the nature of the rescue received en route is discussed with rescue team members |
| | 1.5 Anticipated situational and environmental hazards are discussed with rescue team members and incorporated into the rescue plan |
| 2 Assess rescue scene | 2.1 Observations are made to determine the location, number, condition and position of survivor |
| | 2.2 Risk assessment on situational and environmental hazards is conducted and control measures applied to ensure safety of self and others |
| | 2.3 Additional personnel or specialist equipment based on risk assessment is requested via the communications centre in accordance with workplace procedures |
| | 2.4 Personal capabilities and limitations of self and other team members are considered in the development of the rescue plan |
| 3 Develop aquatic rescue plans | 3.1 Rescue and recovery techniques suitable to the patient condition, location and aquatic environment are identified |
| | 3.2 Primary and alternate rescue plans are developed based on situational risk assessment, identification of appropriate rescue and recovery techniques and consultation with other rescue team members |
| | 3.3 Appropriate equipment and resources are selected to perform aquatic rescue and recovery as identified by the rescue plan |
| | 3.4 Alternate rescue plans are implemented when required |
| 4 Gain access and perform aquatic rescue of patient | 4.1 Communication with team members is maintained during rescue in accordance with workplace procedures |

- 4.2 Patient is positioned to assist in rescue, recovery and management of the patient
 - 4.3 Rescuer is appropriately positioned to perform a rescue or recovery where required by the rescue plan
 - 4.4 Aquatic rescue techniques and equipment are deployed to gain access to patient as identified in the rescue plan
- 5 **Recover patient**
 - 5.1 Aquatic rescue plan is implemented, patient is recovered by using appropriate rescue and recovery techniques and equipment in accordance with workplace procedures
 - 5.2 Patient is secured in aircraft in accordance with workplace procedures
- 6 **Conclude aquatic rescue**
 - 6.1 Equipment is recovered, cleaned and maintained in accordance with manufacturer guidelines and workplace procedures
 - 6.2 Debrief is conducted in accordance with workplace procedures
 - 6.3 Post-incident documentation is completed in accordance with own role requirements and workplace procedures

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.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to AVIW0003 Undertake helicopter aquatic rescue and recovery.

Links

Companion Volume Implementation Guides are found in VETNet' -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>