



Australian Government

**Assessment Requirements for AVIF0038
Undertake aircraft underwater escape and
survival**

Release: 1

Assessment Requirements for AVIF0038 Undertake aircraft underwater escape and survival

Modification History

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

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:

- adapting to differences in equipment and operating environment in accordance with standard operating procedures (SOPs)
- applying hypothermia prevention, reduction and management techniques
- applying knowledge of aircraft escape hazards, including:
 - cold shock
 - environment
 - sea state
 - weather
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying rescue recovery techniques
- communicating effectively with others
- completing relevant documentation
- employing life jacket swimming, raft boarding and raft righting techniques
- employing position indicating and signalling devices, including:
 - flares
 - position locating beacons
 - strobe lights
- identifying and correctly using relevant equipment, including:
 - emergency breathing systems
 - flares
 - life jackets
 - life rafts
 - position locating beacons
 - restraint devices and harnesses
 - strobe lights
- implementing operational contingency loading emergency procedures, as required, in a Defence context

- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating emergency equipment
- operating safety equipment
- performing aircraft egress and exit operation
- performing inverted and submerged aircraft escape techniques
- performing life jacket swimming techniques
- performing safe swimming techniques, including:
 - surface clearing techniques
 - individual safety
 - group safety
- reading, interpreting and following relevant instructions, regulations, procedures, information and signs
- releasing restraint devices and egressing aircraft
- reporting and/or rectifying problems, faults or malfunctions promptly in accordance with workplace procedures
- securing all personal items, restraint devices and survival equipment prior to ditching
- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards
- working collaboratively with others
- working systematically with required attention to detail without injury to self, others or damage to goods or equipment.

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:

- restraint devices, including:
 - flight crew harnesses and restraint devices
 - operational contingency loading equipment
 - passenger seatbelts
- aircraft egress and exit systems
- aircraft escape techniques, including:
 - primary exit
 - secondary exit
 - blocked exit
- emergency equipment deployment and operation
- hazards when exiting aircraft during emergency situations

- how to identify and operate equipment required to undertake aircraft underwater escape and survival, including:
 - emergency breathing systems
 - flares
 - life jackets
 - life rafts
 - position locating beacons
 - restraint devices and harnesses
 - strobe lights
- inverted and submerged aircraft escape techniques
- manufacturer instructions for equipment used for aircraft underwater escape and survival
- operational contingency loading emergency procedures, as required, in a Defence context
- regulations, legislation, organisational policy and procedures in relation to aircraft underwater escape and survival
- relevant WHS and environmental procedures and regulations
- rescue and recovery techniques
- risks that exist when undertaking aircraft underwater escape and survival, and related risk control procedures and precautions
- safe swimming techniques, including:
 - surface clearing techniques
 - individual safety
 - group safety
- workplace procedures for undertaking aircraft underwater escape and survival
- emergency supplies and equipment, including:
 - positioning equipment
 - survival equipment

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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

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.

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 materials, tools, equipment and PPE currently used in industry.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>