

Title	Carry out aircraft underwater escape and survival		
Level	4	Credits	3

Purpose	People credited with this unit standard are, for aircraft underwater escape and survival, able to: prepare for aircraft ditching; undertake evacuation from the aircraft; conduct rescue recovery process; and control survival hazards.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 Definitions, abbreviations, and acronyms used in this unit standard are found in:
 - a Civil Aviation Rules Part 1, published by the Civil Aviation Authority of New Zealand, PO Box 3555, Wellington 6140, or on the Civil Aviation Authority (CAA) website at <http://www.caa.govt.nz/>; and
 - b *Aeronautical Information Publication (AIP)* published by Aeronautical Information Management, PO Box 294, Wellington 6140.
- 2 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 3 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 4 Industry standards and recommended practices are those set in place by the CAA.
- 5 Industry texts may include but are not limited to – aircraft flight manuals, relevant equipment manuals, CAA Rules, CAA Advisory Circulars, New Zealand Defence Force (NZDF) Policy, operator exposition.
- 6 Emergency procedures may be real or simulated.
- 7 *Aircraft* refers to both fixed wing and helicopters.

Outcomes and performance criteria

Outcome 1

Prepare for aircraft ditching.

Performance criteria

- 1.1 Nature and extent of aircraft situation is communicated, and acknowledgment is confirmed.
- 1.2 Personal items within the cabin are secured prior to ditching.
- 1.3 Restraint devices and survival equipment are checked, fastened, and secured prior to ditching.
- Range restraint devices may include but are not limited to – harnesses, crewman harnesses;
survival equipment may include but is not limited to – emergency breathing system, life jackets.
- 1.4 Primary and secondary egress routes, exits, and equipment are located.
- 1.5 Brace position is adopted.

Outcome 2

Undertake evacuation from the aircraft.

Performance criteria

- 2.1 Spatial orientation is conducted.
- 2.2 Egress points are located.
- 2.3 Exits are jettisoned and cleared.
- 2.4 Restraint devices are released.
- 2.5 Aircraft is egressed.
- 2.6 Surface is cleared.

Outcome 3

Conduct rescue recovery process.

Performance criteria

- 3.1 Safety equipment is deployed.
- Range may include but is not limited to – strobe lights, position locating beacons, flares, life jackets, life rafts.
- 3.2 Position indicating and signalling devices are deployed.
- Range may include but is not limited to – strobe lights, position locating beacons, flares.

3.3 Rescue recovery techniques are applied.

Outcome 4

Control survival hazards.

Performance criteria

4.1 Potential hazards are identified and controlled.

Range may include but is not limited to – environment, weather, sea state, cold shock.

4.2 Swimming techniques with a life jacket are applied.

4.3 Hypothermia management techniques are employed.

4.4 Raft boarding and righting techniques are employed.

4.5 Emergency supplies and equipment are managed.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2014	31 December 2027
Review	2	28 September 2023	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.