

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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Explanatory notes

- 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 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 3 Industry standards and recommended practices are those set in place by the CAA.
- 4 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.
- 5 Emergency procedures may be real or simulated.
- 6 *Aircraft* refers to both fixed wing and helicopters.

Outcomes and evidence requirements

Outcome 1

Prepare for aircraft ditching.

Evidence requirements

- 1.1 Nature and extent of aircraft situation is communicated and acknowledgment is confirmed in accordance with industry texts and standards.

- 1.2 Personal items within the cabin are secured prior to ditching in accordance with industry texts and standards.
- 1.3 Restraint devices and survival equipment are checked, fastened and secured prior to ditching in accordance with industry texts and standards.
- Range restraint devices may include but is 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 in accordance with industry texts and standards.
- 1.5 Brace position is adopted in accordance with industry texts and standards.

Outcome 2

Undertake evacuation from the aircraft.

Evidence requirements

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

Outcome 3

Conduct rescue recovery process.

Evidence requirements

- 3.1 Safety equipment is deployed in accordance with industry texts and standards.
- 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 in accordance with industry texts and standards.
- Range may include but is not limited to – strobe lights, position locating beacons, flares.

- 3.3 Rescue recovery techniques are applied in accordance with industry texts and standards.

Outcome 4

Control survival hazards.

Evidence requirements

- 4.1 Potential hazards are identified and controlled in accordance with industry texts and standards.
- Range may include but is not limited to – environment, weather, sea state, cold shock.
- 4.2 Swimming techniques with a life jacket are applied in accordance with industry texts and standards.
- 4.3 Hypothermia management techniques are employed in accordance with industry texts and standards.
- 4.4 Raft boarding and righting techniques are employed in accordance with industry texts and standards.
- 4.5 Emergency supplies and equipment are managed in accordance with industry texts and standards.

Planned review date	31 December 2019
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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	N/A

Consent and Moderation Requirements (CMR) reference	0169
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.