

<b>Title</b>	<b>Carry out aircraft underwater escape and survival</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	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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<b>Classification</b>	Aviation > Aircraft Operation
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<b>Available grade</b>	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.

<b>Planned review date</b>	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

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.