

Title	Conduct helicopter wireman duties		
Level	4	Credits	?

Comment [SH1]: Is the level correct?

Comment [SH2]: How many credits? How long does it take someone to become competent to carry out this task?

Purpose	People credited with this unit standard are, for helicopter wireman duties, able to: prepare for recovery/deployment, recover/deploy equipment/personnel, and respond to helicopter hoisting emergencies and abnormal situations.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990.

Explanatory notes

- 1 Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
 - a Civil Aviation Rules Part 1 published by the Civil Aviation Authority of New Zealand, PO Box 31441, Lower Hutt 5040, or on the 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 – helicopter flight manuals, relevant equipment manuals, CAA Rules, CAA Advisory Circulars, New Zealand Defence Force (NZDF) Policy, operator exposition.
- 5 Tasks may be undertaken in Day VFR and Night VFR. Night VFR environment may include unaided and aided utilising night vision devices.
- 6 Emergency procedures may be real or simulated.

Comment [SH3]: Should this say must, which will require the wireman to be able to carry out the winching operations in both day and night VFR – should it even refer to VFR?

Would a wireman use NVGs?

Outcomes and evidence requirements

Outcome 1

Prepare for recovery/deployment.

Evidence requirements

- 1.1 Personal safety equipment is inspected, donned, connected and checked in accordance with industry texts and standards.
- 1.2 Equipment/personnel to be winched are prepared, inspected, connected and checked in accordance industry texts and standards.
- 1.3 Personnel to be winched are briefed where necessary in accordance with industry texts and standards.

Outcome 2

Recover/deploy equipment/personnel.

Evidence requirements

- 2.1 Hand signals are used as per established procedures in accordance with industry texts and standards.

Range may include but is not limited to – hoist in/out, hoist up/down, boom in/out, emergency descent, move left/right, cease movement, come up/down, aircraft go around, stop hoisting, ready to be hoisted, all clear.
- 2.2 Positive control of equipment/personnel is maintained during ascent/descent.
- 2.3 Assistance for personnel is provided as required.

Range may include but is not limited to – providing hoisting briefs to personnel, aircraft entry/exit assistance, clearance of obstructions such as foliage, rigging and parachute shrouds.
- 2.4 Disconnection of equipment/personnel is conducted in accordance with organisational policy and procedures.
- 2.5 Cable is earthed as required prior to completing descent.

Outcome 3

Respond to helicopter hoisting emergencies and abnormal situations.

Range: emergency and abnormal situations may include but are not limited to – hoist equipment malfunction, communication equipment failure, aircraft system failure, operator incapacitation, hoistee incapacitation, fouled cable, fouled hoist, runaway hoist, intercom system failure during hoisting operation, electrical/mechanical failure, aircraft malfunction.

Comment [SH4]: Is this term used in NZ to describe the person at the end of the wire (not necessarily the wireman)?

Evidence requirements

- 3.1 Hoist emergencies are identified, communicated and diagnosed as per established procedures in accordance with industry texts and standards.
- 3.2 Emergency and/or remedial actions are undertaken 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		N/A

Accreditation and Moderation Action Plan (AMAP) reference	0169
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This AMAP 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, or an inter-institutional body with delegated authority for quality assurance, 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.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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 the ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.