

Title	Maintain helicopter rescue winches		
Level	4	Credits	8

Purpose	People credited with this unit are able to: prepare to maintain helicopter rescue winch; locate rescue winch defects; restore rescue winches to a serviceable condition; and complete finishing activities related to maintaining rescue winches.
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Classification	Aeronautical Engineering > Helicopter Maintenance
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 Definition
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.

Outcomes and performance criteria

Outcome 1

Prepare to maintain helicopter rescue winch.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation.
- 1.2 Work area is prepared, and resources are obtained and checked for serviceability or status.

Range	may include but is not limited to – publications, tools, equipment, safety equipment, materials.
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- 1.3 Rescue winch serial number is matched with documentation.

1.4 Rescue winch system is prepared for the application of power and for system operation.

Range cable cutting devices rendered safe, controls match rescue winch positions, clearances obtained, isolation tags fitted.

1.5 Ground and/or support equipment is positioned ready for system operation.

Outcome 2

Locate rescue winch defects.

Performance criteria

2.1 Serviceability is determined.

2.2 Defects are located using troubleshooting techniques appropriate to the defect indications.

2.3 Defects are reported and documented.

Outcome 3

Restore rescue winches to a serviceable condition.

Performance criteria

3.1 Methods of rectifying defects are determined.

3.2 Replacement parts are procured and verified as authentic and serviceable.

Range identify, inspect.

3.3 System defects are rectified.

Range may include but is not limited to – repair, replace, modify, adjust, calibrate, lubricate.

3.4 System is tested to verify serviceability.

3.5 Inspections are obtained.

Outcome 4

Complete finishing activities related to maintaining rescue winches.

Performance criteria

- 4.1 Completion activities specific to the task and work area are carried out.
- Range may include but is not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of helicopter and systems to normal.
- 4.2 Resources are checked for serviceability and returned to service or storage.
- Range tools, equipment, safety equipment.
- 4.3 Leftover parts and materials are disposed of.
- Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.
- 4.4 Documentation is completed.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	20 April 2006	31 December 2016
Review	5	18 June 2014	31 December 2021
Review	6	26 March 2020	N/A
Rollover and Revision	7	27 June 2024	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.