

Title	Apply knowledge of air law to the certification of aeronautical maintenance		
Level	6	Credits	25

Purpose	<p>This knowledge-based unit standard is one of a series intended for people certifying the release to service of aircraft or aeronautical components following maintenance or repair.</p> <p>People credited with this unit standard are able to apply knowledge of: aviation terminology and abbreviations, accident and incident reporting, the transition rules, aeronautical parts and supplies, certification of products and parts, airworthiness directives and general maintenance rules, aircraft registration and markings, aircraft maintenance engineer licensing, and aircraft operator and maintenance organisation requirements to the certification of aeronautical maintenance.</p>
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Classification	Aeronautical Engineering > Aeronautical Maintenance Certification
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Available grade	Achieved
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Guidance Information

- 1 The Civil Aviation Authority of New Zealand (CAA) Aircraft Maintenance Engineer Licence – Examination Subjects 20 and 21, Air Law (Written and Oral) are the national standard, and are linked to international standards.
- 2 This unit standard is aligned with the Civil Aviation Authority of New Zealand Advisory Circulars AC66-2.20 & 2.21, Examination Syllabuses for Subjects 20 & 21, Air Law (Written and Oral) and will be evidenced by meeting these requirements. These are available on the CAA website at <http://www.caa.govt.nz>.
- 3 *Applied knowledge* – will be in the context of aeronautical maintenance as defined by Civil Aviation Rules Part 1 as follows: ‘in relation to an aircraft or aircraft component, means all work and inspections performed to ensure the continued airworthiness of the aircraft or component, and all modifications’; will include making judgements regarding the scope, processes, and quality of maintenance for release to service certification; and will be in accordance with industry texts as defined by the candidate’s workplace or enterprise.

- 4 *Industry texts* include but are not limited to –
published aeronautical training manuals or text books;
enterprise exposition;
manufacturer publications;
government and local body legislation;
airworthiness or regulatory authority requirements.

Outcomes and performance criteria

Outcome 1

Apply knowledge of aviation terminology and abbreviations to the certification of aeronautical maintenance.

Performance criteria

- 1.1 Knowledge of aviation related terminology is applied.
1.2 Knowledge of aviation related abbreviations is applied.

Outcome 2

Apply knowledge of accident and incident reporting to the certification of aeronautical maintenance.

Performance criteria

- 2.1 Knowledge of accident and incident reporting and recording is applied.
2.2 Knowledge of the actions taken following accidents and incidents is applied.

Outcome 3

Apply knowledge of the transition rules to the certification of aeronautical maintenance.

Performance criteria

- 3.1 Knowledge of the purpose of the transition rules is applied.
3.2 Knowledge of the scope of the transition rules is applied.

Outcome 4

Apply knowledge of aeronautical parts and supplies to the certification of aeronautical maintenance.

Performance criteria

- 4.1 Knowledge of aircraft parts and supplies is applied.
4.2 Knowledge of aeronautical parts and supplies storage is applied.

4.3 Knowledge of aeronautical parts and supplies management is applied.

Outcome 5

Apply knowledge of the certification of products and parts to the certification of aeronautical maintenance.

Performance criteria

5.1 Knowledge of type certification of products and parts is applied.

5.2 Knowledge of airworthiness certification of products and parts is applied.

5.3 Knowledge of the identification of products and parts is applied.

Outcome 6

Apply knowledge of airworthiness directives and general maintenance rules to the certification of aeronautical maintenance.

Performance criteria

6.1 Knowledge of airworthiness directives is applied.

6.2 Knowledge of maintenance recording and certification is applied.

6.3 Knowledge of inspection and return to service certification is applied.

6.4 Knowledge of design conformity certification is applied.

6.5 Knowledge of certification requirements for specific equipment and maintenance actions is applied.

Outcome 7

Apply knowledge of aircraft registration and markings to the certification of aeronautical maintenance.

Performance criteria

7.1 Knowledge of aircraft registration and marking requirements is applied.

7.2 Knowledge of aircraft markings and identification is applied

Outcome 8

Apply knowledge of aircraft maintenance engineer licensing to the certification of aeronautical maintenance.

Performance criteria

- 8.1 Knowledge of aircraft maintenance engineer licensing requirements is applied.
- 8.2 Knowledge of aircraft maintenance engineer licensing privileges and limitations is applied.

Outcome 9

Apply knowledge of aircraft operator and maintenance organisation requirements to the certification of aeronautical maintenance.

Performance criteria

- 9.1 Knowledge of aircraft maintenance programmes is applied.
- 9.2 Knowledge of general operating and flight rules is applied.
- 9.3 Knowledge of air operator certification relevant to operations and maintenance is applied.
- 9.4 Knowledge of internal quality assurance and safety management is applied.
- 9.5 Knowledge of air operations with helicopters and small aeroplanes is applied.
- 9.6 Knowledge of certificated aircraft maintenance organisations is applied.

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 August 2004	31 December 2020
Review	2	9 December 2010	31 December 2020
Review	3	28 September 2017	31 December 2024
Review	4	27 October 2022	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.