

<b>Title</b>	<b>Demonstrate knowledge of aircraft mechanical system maintenance practices</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of aircraft mechanical systems and aircraft mechanical system maintenance practices.
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<b>Classification</b>	Aeronautical Engineering > Aircraft Mechanical Maintenance
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Aircraft mechanical systems may include air-conditioning and pressurisation, fire detection and protection, flight control, fuel storage and distribution, hydraulic, ice and rain protection, landing gear, pneumatic, water and waste, wheel and brake.
- 2 Maintenance tasks must meet the standards required by the aircraft or equipment manufacturer.
- 3 Standard practices referred to are those in the aviation industry, examples being Great Britain – Civil Aviation Authority, CAP 562: *Civil Aircraft Airworthiness Information and Procedures* (CAAIP) (London: TSO) and United States – Federal Aviation Administration, Advisory Circular 43.13, *Acceptable Methods, Techniques, and Practices – Aircraft Inspection and Repair* (US Department of Transportation).
- 4 The scope of the systems that this standard relates to is described in the applicable chapters of ATA iSpec 2200.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of aircraft mechanical systems.

#### Performance criteria

- 1.1 Mechanical systems are described in terms of their purpose, function, operating principles and major components.
- 1.2 Mechanical system components are described in terms of their purpose, function, identification and location on aircraft.

**Outcome 2**

Demonstrate knowledge of aircraft mechanical system maintenance practices.

**Performance criteria**

- 2.1 Maintenance of mechanical systems is described in terms of standard practices.
- Range inspection, component change, adjustment, testing, servicing.
- 2.2 Safety precautions for mechanical system maintenance activities are described in terms of standard practices.

<b>Planned review date</b>	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**Status information and last date for assessment for superseded versions**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	21 May 1996	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	26 April 2024	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.