

|              |  |                |           |
|--------------|--|----------------|-----------|
| <b>Title</b> | <b>Apply aeronautical engineering knowledge and skills to maintain generic aircraft piston engines</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 apply aeronautical engineering knowledge and skills to maintain generic aircraft piston engines. |
|----------------|--|

|                       |  |
|-----------------------|--|
| <b>Classification</b> | Aeronautical Engineering > Aeronautical Engineering - Core |
|-----------------------|--|

|                        |          |
|------------------------|----------|
| <b>Available grade</b> | Achieved |
|------------------------|----------|

---

### 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.
- 3 Assessment of this unit standard is to take place on a system fitted to an aircraft to replicate the interdependence of aircraft systems and on-aircraft safety precautions.
- 4 This unit standard is designed for assessment in a training environment.
- 5 The scope of the systems that this standard relates to may include but is not limited to those described in ATA iSpec 2200, chapters 71, 74, 76, and 85.

---

### Outcomes and performance criteria

#### Outcome 1

Apply aeronautical engineering knowledge and skills to maintain generic aircraft piston engines.

#### Performance criteria

- 1.1 Aeronautical engineering safety precautions are applied to the maintenance of generic aircraft piston engines.

- 1.2 Aeronautical engineering publications are interpreted and applied to the maintenance of generic aircraft piston engines.
- 1.3 Aeronautical engineering documentation practices are applied to the maintenance of generic aircraft piston engines.
- 1.4 Aeronautical engineering maintenance practices are applied to the maintenance of generic aircraft piston engines.
- 1.5 Knowledge of aircraft piston engines is applied to the maintenance of generic aircraft piston engines.

|                            |                  |
|----------------------------|------------------|
| <b>Planned review date</b> | 31 December 2024 |
|----------------------------|------------------|

#### Status information and last date for assessment for superseded versions

| Process      | Version | Date            | Last Date for Assessment |
|--------------|---------|-----------------|--------------------------|
| Registration | 1       | 24 October 2014 | 31 December 2021         |
| Review       | 2       | 26 March 2020   | N/A                      |

|  |      |
|--|------|
| <b>Consent and Moderation Requirements (CMR) reference</b> | 0028 |
|--|------|

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact ServiceIQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.