

| | | | |
|--------------|---|----------------|----------|
| Title | Balance aeronautical rotating assemblies | | |
| Level | 3 | Credits | 4 |

| | |
|----------------|---|
| Purpose | People credited with this unit standard are able to: prepare to balance aeronautical rotating assemblies; balance aeronautical rotating assembly components; and complete the balancing task. |
|----------------|---|

| | |
|-----------------------|--|
| Classification | Aeronautical Engineering > Aircraft Powerplant Repair and Overhaul |
|-----------------------|--|

| | |
|------------------------|----------|
| Available grade | 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 Rotating assemblies may include armatures, compressors, turbine assemblies.
- 4 Credit for this unit standard may also be gained from tasks assessed on aero-derivative engines, and associated systems and components used for marine or industrial applications.

Outcomes and performance criteria

Outcome 1

Prepare to balance aeronautical rotating assemblies.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Component identity is confirmed with documentation by comparing serial and part numbers.

1.3 Work area is prepared, and resources are obtained and checked.

Range may include but is not limited to – publications, materials, tools, equipment, safety equipment, environmental conditions established.

1.4 Component is prepared for balancing.

Range may include but is not limited to – clean, inspect, install on balancer.

Outcome 2

Balance aeronautical rotating assembly components.

Performance criteria

2.1 Balancer is set to reference.

2.2 Balancer is operated.

2.3 Readings are interpreted.

2.4 Weights are adjusted to rectify out of balance condition.

Range add, remove, redistribute.

2.5 Inspections are obtained.

Outcome 3

Complete the balancing task.

Performance criteria

3.1 Component is prepared for testing, use, storage or transit.

Range may include but is not limited to – locking, inhibiting, blanking, packing.

3.2 Resources are checked for serviceability and returned to service or storage.

Range may include but is not limited to – tools, equipment, safety equipment, publications.

3.3 Leftover parts and materials are disposed of.

Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.

3.4 Documentation is completed.

3.5 Work area is left in a state that enables the next task to begin.

| | |
|----------------------------|------------------|
| Planned review date | 31 December 2024 |
|----------------------------|------------------|

Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1 | 20 June 1995 | 31 December 2016 |
| Revision | 2 | 7 August 1997 | 31 December 2016 |
| Revision | 3 | 8 May 2001 | 31 December 2016 |
| Review | 4 | 25 September 2006 | 31 December 2016 |
| Review | 5 | 18 June 2014 | 31 December 2021 |
| Review | 6 | 26 March 2020 | N/A |

| | |
|--|------|
| Consent and Moderation Requirements (CMR) reference | 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 if you wish to suggest changes to the content of this unit standard.