

<b>Title</b>	<b>Balance aeronautical rotating assemblies</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	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.
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<b>Classification</b>	Aeronautical Engineering > Aircraft Powerplant Repair and Overhaul
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<b>Available grade</b>	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.
- 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.

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### 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.

<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	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
Rollover and Revision	7	30 May 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.