

Title	Balance aircraft flight control surfaces		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: balance aircraft flight control surfaces; and carry out task completion activities.
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Classification	Aeronautical Engineering > Aircraft Structures
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Available grade	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 Balancing of helicopter rotary flight control surfaces is covered in other unit standards.
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Outcomes and performance criteria

Outcome 1

Balance aircraft flight control surfaces.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Work area is prepared, and resources are obtained and checked for serviceability or status.

Range	may include but is not limited to – publications, tools, materials, equipment, safety equipment.
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- 1.3 Environmental conditions are established.
- 1.4 Balancing equipment is set up and control surface mounted.

1.5 Control surface is balanced to meet specifications.

Range check balance; calculate adjustments; fit, remove and/or adjust balance weights.

Outcome 2

Carry out task completion activities.

Performance criteria

2.1 Item is prepared for use, storage, or transit.

2.2 Completion activities specific to the task and work area are carried out.

Range may include but are not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of aircraft and systems to normal.

2.3 Leftover items, parts, and materials are disposed of.

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

2.4 Documentation is completed.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	26 March 2007	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
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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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.