

Title	Compensate aircraft compasses		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: prepare to carry out a compass swing; determine compass deviations; adjust a compass; and complete activities related to the compensation task.
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Classification	Aeronautical Engineering > Aircraft Servicing
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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.

Outcomes and performance criteria

Outcome 1

Prepare to carry out a compass swing.

Range direct reading, remote reading, integrated.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Resources are obtained and checked for serviceability or status.
 Range may include but is not limited to – tools, equipment, safety equipment, publications, materials, personnel.
- 1.3 Aircraft registration and compass to be swung are matched with documentation.

- 1.4 Aircraft and systems are prepared for the application of power and system operation.

Range clearances, ground locks, isolation tags, warning signs, aircraft positioned at approved site.

Outcome 2

Determine compass deviations.

Performance criteria

- 2.1 Functional check of compass or system to be compensated is carried out.

- 2.2 Compass swing is carried out.

Range aircraft compass aligned externally to landing compass.

- 2.3 Deviations are determined and recorded.

- 2.4 Any defects are reported and documented.

Outcome 3

Adjust a compass.

Performance criteria

- 3.1 Compass or system is adjusted.

- 3.2 Check swing is carried out and compass readjusted.

Outcome 4

Complete activities related to the compensation task.

Performance criteria

- 4.1 Aircraft, system, and work area are left ready for further tasks.

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

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

- 4.3 Documentation is completed.

Range work cards, deviation cards, compass logbook, certification.

Planned review date	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	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	20 June 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

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 Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.