

<b>Title</b>	<b>Compensate aircraft compasses</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	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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<b>Classification</b>	Aeronautical Engineering > Aircraft Servicing
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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.

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### 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.

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.

<b>Planned review date</b>	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	20 June 2006	31 December 2016
Review	5	18 June 2014	31 December 2021
Review	6	26 March 2020	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 ServiceIQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.