

Title	Repair or overhaul aircraft wheel assemblies		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: prepare to repair or overhaul aircraft wheel assemblies; locate defects in aircraft wheel assemblies; repair or overhaul aircraft wheel assemblies; and complete the repair or overhaul of aircraft wheel assemblies.
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Classification	Aeronautical Engineering > Aircraft Mechanical Repair and Overhaul
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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 Repair or overhaul activities are those usually carried out in a specialist bay or workshop.
- 4 Wheel assemblies include wheels, tyres.
- 5 The scope of the system that this standard relates to is described in ATA iSpec 2200, chapter 32.

Outcomes and performance criteria

Outcome 1

Prepare to repair or overhaul aircraft wheel assemblies.

Performance requirements

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Assembly identity is confirmed with documentation.

- 1.3 Work area is prepared, and resources obtained and checked for serviceability or status.

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

- 1.4 Wheel assembly is prepared for repair or overhaul.

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

- 1.5 Next task is determined and documented.

Range may include but is not limited to – locate defects, repair or overhaul, test, adjust, complete the task.

Outcome 2

Locate defects in aircraft wheel assemblies.

Performance requirements

- 2.1 Defects are located using troubleshooting techniques appropriate to the defect indications.
- 2.2 Defects found during troubleshooting are reported and documented.

Outcome 3

Repair or overhaul aircraft wheel assemblies.

Performance requirements

- 3.1 Wheel assembly is disassembled.
- Range may include but is not limited to – clean, label, preserve, segregate, store.
- 3.2 Defects found during disassembly are reported and recorded.
- 3.3 Rectification action is determined and documented.
- 3.4 Replacement parts are procured and verified as authentic and serviceable.
- Range identify, inspect.
- 3.5 Defects are rectified.
- Range may include but is not limited to – repair or overhaul, replace, modify, adjust.

3.6 Wheel assembly is assembled.

Range may include but is not limited to – balancing, inflation, testing.

3.7 Inspections are obtained.

Outcome 4

Complete the repair or overhaul of aircraft wheel assemblies.

Performance requirements

4.1 Assembly is prepared.

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

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

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

4.3 Leftover parts and materials are disposed of.

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

4.4 Documentation is completed.

Range may include but is not limited to – labels, work cards, release notes, logbooks, shelf-life requirement, certification.

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

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	25 September 2006	31 December 2016
Review	5	17 July 2014	31 December 2022
Review	6	23 July 2020	N/A
Rollover and Revision	7	27 June 2024	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 Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.