

<b>Title</b>	<b>Repair or overhaul aircraft wheel assemblies</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	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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<b>Classification</b>	Aeronautical Engineering > Aircraft Mechanical 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 Repair or overhaul activities are 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.

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### 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.

<b>Planned review date</b>	31 December 2025
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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

<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>.

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### 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.