

Title	Inspect aircraft engines		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to: prepare to inspect aircraft engines; inspect aircraft engines; and complete finishing activities related to inspecting aircraft engines.
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Classification	Aeronautical Engineering > Aircraft Powerplant Maintenance
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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 The scope of the system that this standard relates to is described in the applicable chapters of ATA iSpec 2200.

Outcomes and performance criteria

Outcome 1

Prepare to inspect aircraft engines.

Performance criteria

- 1.1 Requirements for inspection are determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Engine identity is confirmed with documentation by comparing serial and part numbers.
- 1.3 Work area is prepared, and resources are obtained and checked for serviceability.

Range	may include but are not limited to – publications, materials, tools, test equipment, safety equipment, environmental conditions established.
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1.4 Engine is prepared for inspection.

Range clean, gain access.

Outcome 2

Inspect aircraft engines.

Performance criteria

2.1 Engine is inspected.

Range visual inspection, optically aided visual inspection.

2.2 Defects found during inspection are reported and documented.

Outcome 3

Complete finishing activities related to inspecting aircraft engines.

Performance criteria

3.1 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, systems and aircraft left ready for next activity.

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

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

3.3 Leftover parts and materials are disposed of.

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

3.4 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	20 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 2021
Review	6	26 March 2020	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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.