

Title	Clean the gas path of aircraft gas turbine engines		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: clean the gas path of aircraft gas turbine engines; and complete activities related to the cleaning 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 Definitions

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.

FOD – foreign object debris which is anything that can find its way into an aircraft engine or flight control mechanisms that could possibly cause damage to aircraft, equipment, or people.

Outcomes and performance criteria

Outcome 1

Clean the gas path of the aircraft gas turbine engine.

Performance criteria

- 1.1 Engine to be cleaned is identified by matching aircraft registration with documentation.
- 1.2 Resources are obtained and checked for serviceability and status.

Range may include but is not limited to – tools, publications, cleaning materials, cleaning equipment, safety equipment and clothing.
- 1.3 Engine is prepared for cleaning.

Range location, configuration, protective blanks, protective covers.

1.4 Equipment is positioned for cleaning.

1.5 Engine is cleaned using an abrasive medium or by washing.

Range location, engine motored over, cleaning medium applied, engine shut down.

Outcome 2

Complete activities related to the cleaning task.

Performance criteria

2.1 Post-cleaning engine inspection is carried out.

2.2 Post-cleaning engine run is arranged.

Range approved ground run area, area cleared of FOD, approved ground run personnel.

2.3 Tools, materials, equipment, and publications are checked and returned to service, storage or disposed.

2.4 Work and aircraft area are left ready for further tasks.

2.5 Documentation is completed.

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Status information and last date for assessment for superseded versions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.