

Title	Carry out water-based cleaning process of aeronautical components		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: identify and prepare a suitable water-based cleaning treatment for aeronautical components; carry out water-based cleaning process; and complete the cleaning process.
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Classification	Aeronautical Engineering > Aeronautical Engineering - Core
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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.

Outcomes and performance criteria

Outcome 1

Identify and prepare a suitable water-based cleaning treatment for aeronautical components.

Performance criteria

- 1.1 Component/s to be cleaned are confirmed against documentation.
- 1.2 Water based cleaning treatment/s are determined by reviewing documentation.
- 1.3 Work area is prepared and readied for water-based cleaning treatment.
 Range may include but is not limited to – materials, equipment, safety equipment, environmental conditions established.
- 1.4 Substrate, surface contaminant and condition are identified.

Outcome 2

Carry out water-based cleaning process.

Performance criteria

2.1 Surface contaminant removal is carried out.

Range may include but is not limited to – parts washer, emersion tank, hand wipe, water blasting; post clean inspection.

2.2 Post-clean drying is carried out.

Range may include but is not limited to – flash drying, oven drying, hand drying.

Outcome 3

Complete the cleaning process.

Performance criteria

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

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

3.2 Leftover materials are disposed of.

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

3.3 Documentation is completed.

Range may include but is not limited to – labels, work cards, release notes, certification.

3.4 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	20 April 2017	31 December 2021
Review	2	26 March 2020	N/A
Rollover and Revision	3	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.