

<b>Title</b>	<b>Clean aircraft components for aeronautical electroplating</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to: identify cleaning treatment for aeronautical electroplating; carry out the cleaning process; and complete the cleaning process.</p> <p>They are able to operate, be in full control, and take responsibility for the cleaning process.</p>
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<b>Classification</b>	Aeronautical Engineering > Aeronautical Electroplating
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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 Acts, regulations, and bylaws regarding the handling of toxic material and waste must be complied with during assessment against this standard.
- 4 Operating parameters may include treatment times, currents or voltage, pH, temperature, air pressure, blast media.

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### Outcomes and performance criteria

#### Outcome 1

Identify cleaning treatment for aeronautical electroplating.

#### Performance criteria

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

1.3 Work area is prepared and checked.

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

1.4 Substrate is identified.

Range ferrous, non-ferrous.

1.5 Surface contaminant and condition is identified.

Range may include but is not limited to – grease, oil, paint, chromate conversion, rust, scale, oxidation, corrosion.

## Outcome 2

Carry out the cleaning process.

### Performance criteria

2.1 Component is cleaned in sequence.

Range may include but is not limited to – vapour or solution degrease, paint strip, abrasive and/or non-abrasive mechanical clean, acid etch, pickling, continuous and/or reverse cycle alkaline clean, flushing rig.

2.2 Equipment is monitored and adjusted.

Range may include but is not limited to – solution agitation, solution temperature, pH, current density, voltage range, air pressure.

2.3 Component is visually inspected.

## 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.

<b>Planned review date</b>	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	26 March 2007	31 December 2016
Review	2	24 October 2014	31 December 2021
Review	3	26 March 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>.

#### 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.