Title	**Clean aircraft components for aeronautical electroplating**		
Level	**4**	**Credits**	**5**

Purpose	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. They are also able to operate, be in full control, and take responsibility for the cleaning process.

Classification	Aeronautical Engineering > Aeronautical Electroplating

Available grade	Achieved

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.

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.

Planned review date	31 December 2027

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
Rollover and Revision	4	26 April 2024	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 Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.