

Title	Shape aeronautical component parts by punching		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to: prepare to shape aeronautical component parts by punching; set up punching machine; punch aeronautical component parts to shape; prepare aeronautical component parts; and carry out task completion activities.
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Classification	Aeronautical Engineering > Aircraft Structures
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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

Prepare to shape aeronautical component parts by punching.

Performance criteria

- 1.1 Component identity is confirmed with documentation by comparing serial and part numbers.
- 1.2 Task is established and documented.
- 1.3 Work area is prepared, and resources are obtained and checked for serviceability or status.

Range	may include but is not limited to – publications, materials, tooling, equipment, safety equipment, environmental conditions established.
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Outcome 2

Set up punching machine.

Performance criteria

2.1 Machine is prepared.

Range maintained, set up, made safe to work on, guards positioned, isolation procedures complied with, protective equipment.

2.2 Sequence of operations is planned and verified.

Outcome 3

Punch aeronautical component parts to shape.

Performance criteria

3.1 Component is punched to shape.

3.2 Component is measured and checked for conformity with specifications.

3.3 Any defects are reported, recorded, and rectified.

3.4 Inspections are obtained.

Outcome 4

Prepare aeronautical component parts.

Performance criteria

4.1 Parts are prepared.

Range may include but is not limited to – use, storage, transit, surface protection, packing.

4.2 Documentation is completed.

Outcome 5

Carry out task completion activities.

Performance criteria

5.1 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, preparation for next activity, return of aircraft and systems to normal.

5.2 Leftover items, parts, and materials are disposed of.

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

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	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	26 March 2007	31 December 2016
Review	5	18 June 2014	31 December 2021
Review	6	26 March 2020	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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.