

Title	Initiate an aeronautical engineering activity		
Level	6	Credits	10

Purpose	<p>This unit standard is intended for people controlling aeronautical engineering production activities.</p> <p>People credited with this unit standard are able to, for an aeronautical engineering activity: define the scope; identify the required resources; ensure that resource requirements are met; establish task priorities; and allocate and prioritise resources.</p>
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Classification	Aeronautical Engineering > Aeronautical Engineering Production Control
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Available grade	Achieved
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Guidance Information

- All tasks are to be carried out in accordance with enterprise procedures, the enterprise being the organisation carrying out the work. Enterprise procedures referred to in this unit standard are the applicable procedures found in the following: enterprise exposition; manufacturer publications; Government and local body legislation; airworthiness authority requirements.
- Definition
Human resource – type, number, skill set, certifications, authorisations, duration.
- This unit standard can lead to Unit 10804, *Monitor and control an aircraft maintenance activity*, and Unit 10799, *Conclude an aeronautical engineering activity*.

Outcomes and performance criteria

Outcome 1

Define the scope of an aeronautical engineering activity.

Performance criteria

- 1.1 Scope of activity is determined in accordance with enterprise procedures and customer requirements.

Range documentation, logbook entries, technical directives, airworthiness authority directives, production plan, inspections, technical instructions, verbal instructions.

- 1.2 Activity constraints are identified in terms of timeframe, financial limitations, production targets, and maintenance specifications.
- 1.3 Item on which the activity will be carried out is identified and matches documentation and/or production plan.
- Range aircraft, component, equipment.

Outcome 2

Identify the required resources for an aeronautical engineering activity.

Performance criteria

- 2.1 Human resources required to complete the activity are identified in terms of skill, time, and certification requirements.
- 2.2 Facilities required to complete the activity are identified in terms of hangar space, workshop space, and support areas.
- 2.3 Equipment, tooling, and publications required to complete the activity are identified in terms of the defined scope of the activity.
- 2.4 Spares required to complete the activity are identified in terms of consumables, repairables, and rotables.
- 2.5 Estimated costs which will be incurred to complete the activity are determined in accordance with enterprise procedures.

Outcome 3

Ensure that resource requirements are met for an aeronautical engineering activity.

Performance criteria

- 3.1 Available resources are assessed in terms of the identified resource requirements for the activity.
- Range human resources, facilities, equipment and tooling, spares, publications, financial.
- 3.2 Extra resources required to complete the activity are identified.
- 3.3 Extra resources which will remove or reduce resource shortfall are sourced in accordance with enterprise procedures.

Outcome 4

Establish task priorities.

Performance criteria

- 4.1 Tasks are prioritised to meet factors controlling the activity.

Range mandatory engineering requirements, production targets, safety requirements, customer requirements, cost.
- 4.2 Tasks that cannot be completed within activity constraints and with available resources are identified.
- 4.3 Possible actions to enable completion of constrained activities are determined in accordance with enterprise procedures.

Range may include but is not limited to – alter activity constraints, defer work, cancel work, provide additional resources.
- 4.4 Affected parties are advised of tasks that cannot be completed within the activity constraints, and possible actions to enable completion.

Outcome 5

Allocate and prioritise resources for an aeronautical engineering activity.

Performance criteria

- 5.1 Resources allocated to tasks meet activity constraints and/or priorities.
- 5.2 Human resources are allocated to meet skill and knowledge requirements of the activity.
- 5.3 Resources are directed to minimise wastage and lost time.
- 5.4 Outwork is authorised in accordance with enterprise policy.
- 5.5 Production target meets agreed customer and enterprise requirements.

Replacement information	This unit standard was replaced by unit standard 32829.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1997	31 December 2016
Revision	2	8 May 2001	31 December 2016
Review	3	19 May 2006	31 December 2016
Review	4	24 October 2014	31 December 2023
Review	5	29 July 2021	31 December 2026
Rollover	6	24 August 2023	31 December 2026

Consent and Moderation Requirements (CMR) reference

0028

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.