

Title	Plan aircraft maintenance activities using project management techniques		
Level	5	Credits	25

Purpose	People credited with this unit standard are, for a planned aircraft maintenance activity, able to: establish work content; produce a production plan; consult with affected parties; and produce maintenance task documentation.
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Classification	Aeronautical Engineering > Aeronautical Engineering Planning
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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

Establish work content for a planned aircraft maintenance activity.

Performance criteria

- 1.1 Work content is verified from the maintenance specification and/or approved maintenance programme and matches work scope.
- 1.2 Special requirements applicable to the aircraft and/or enterprise are identified and added to the work content.

Range	Extended Range Operations (EROPS), Extended Twin Operations (ETOPS), staggered component changes, special inspections, concessions, deviations.
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Outcome 2

Produce a production plan for a planned aircraft maintenance activity.

Performance criteria

- 2.1 Task requirements are determined in terms of resources, predecessors, and time to complete.
- 2.2 Resource constraints are identified in terms of quantity and availability.
- 2.3 Tasks are sequenced, using project management techniques to achieve required completion time.
- Range network diagram, Gantt chart, critical path, resource levelling.
- 2.4 Maintenance activity completion time is determined to meet requirements of customer and/or enterprise.
- 2.5 Production plan is produced and published.
- Range manually, by computer program.

Outcome 3

Consult with affected parties for a planned aircraft maintenance activity.

Performance criteria

- 3.1 Parties who are affected by the production plan are identified.
- Range production, support workshops, supply, technical services, quality control, customer.
- 3.2 Consultation with affected parties is carried out to obtain information needed to develop a production plan.
- 3.3 Consensus is obtained from affected parties for amendments to plan.
- 3.4 Final approval and/or agreement for the production plan is obtained from affected parties.

Outcome 4

Produce maintenance task documentation for a planned aircraft maintenance activity.

Range routine work, non-routine work, modifications, special inspections, component changes.

Performance criteria

- 4.1 Maintenance task documents are produced.
- 4.2 Maintenance task documents are issued and controlled.

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	23 July 1997	31 December 2016
Revision	2	8 May 2001	31 December 2016
Review	3	19 May 2006	31 December 2016
Review	4	22 August 2014	31 December 2021
Review	5	26 March 2020	N/A
Rollover and Revision	6	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.