Title	**Develop and maintain maintenance programmes for aircraft and aircraft components**		
Level	**6**	**Credits**	**65**

Purpose	This unit standard is intended for people providing technical services support for aircraft operating and maintenance activities. People credited with this unit standard are able to: establish aircraft and/or fleet operating profile; establish maintenance requirements for aircraft and aircraft components; develop maintenance programmes; and review and amend maintenance programmes for aircraft and aircraft components.

Classification	Aeronautical Engineering > Aeronautical Engineering Technical Support

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.

Outcomes and performance criteria

Outcome 1

Establish aircraft and/or fleet operating profile.

Performance criteria

1.1 Aircraft and/or fleet type for which the maintenance programme will be produced is defined.

1.2 Critical factors that govern the maintenance programme are identified.

Range hours, cycles, landings, calendar time.

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1.3 Operating conditions that will affect the maintenance programme are identified.

Range airworthiness certification category, extended twin operations (ETOPs), operating environment.

1.4 Aircraft configuration is assessed in terms of its effect on maintenance programmes.

Range passenger, freight, agricultural, marine, military, search and rescue, VIP transport, private.

1.5 Enterprise policies that affect maintenance programmes are identified.

Range spares holdings, aircraft availability for maintenance, leased aircraft, maintenance contracts.

Outcome 2

Establish maintenance requirements for aircraft and aircraft components.

Performance criteria

2.1 Mandatory requirements are identified from, and are consistent with, external governing organisations' requirements.

Range airworthiness authority requirements, manufacturer requirements, vendor requirements, Maintenance Review Board.

2.2 Recommendations that will affect the maintenance programme are identified.

Range civil aviation authorities, manufacturer and vendor recommendations, maintenance steering group philosophies.

2.3 Maintenance requirements that will affect the maintenance programme are identified from known history and reliability data.

Range other operators, previous operator, operational experience with similar aircraft and/or aircraft components.

Outcome 3

Develop maintenance programmes for aircraft and aircraft components.

Performance criteria

3.1 Maintenance capabilities are established in terms of facilities, components, and human resources.

3.2 Availability of aircraft for maintenance is established and is consistent with aircraft and/or fleet operating profile.

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3.3 Aircraft maintenance philosophy is established and is consistent with enterprise policy and manufacturer's recommendations.

Range block, equalised.

3.4 Component maintenance philosophy is established and is consistent with enterprise policy and manufacturer's recommendations.

3.5 Maintenance programme is produced and documented.

3.6 Approvals for the maintenance programme are obtained.

3.7 Maintenance programme is published.

Outcome 4

Review and amend maintenance programmes for aircraft and aircraft components.

Performance criteria

4.1 Aircraft and component operating and reliability data that impacts on the maintenance programme is identified.

4.2 Changes to the aircraft technical specification that impacts on the maintenance programme are identified.

Range may include changes caused by – modifications, service bulletins, repair schemes, component maintenance periods, Maintenance Review Board revisions, Airworthiness Directives, manufacturer recommendations, reliability review findings.

4.3 Changes to the aircraft operating profile that impact on the maintenance programme are identified.

4.4 Maintenance programme is amended.

4.5 Amended maintenance programme is approved.

4.6 Amended maintenance programme is published.

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	24 October 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

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.

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