

<b>Title</b>	<b>Produce a long-term maintenance forecast plan for an aircraft fleet and major aircraft components</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>40</b>

<b>Purpose</b>	People credited with this unit standard are able to: establish maintenance requirements for the long-term maintenance of an aircraft fleet and major aircraft components; produce a maintenance forecast plan; and update a maintenance forecast plan.
----------------	--

<b>Classification</b>	Aeronautical Engineering > Aeronautical Engineering Planning
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

---

### Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 Definitions  
*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.  
*Long-term* – in excess of three months.
- 3 Long-term maintenance plans are for aircraft fleet, individual aircraft, major components such as engines and propellers.

---

### Outcomes and performance criteria

#### Outcome 1

Establish maintenance requirements for the long-term maintenance of an aircraft fleet and major aircraft components.

#### Performance criteria

- 1.1 Future maintenance requirements are identified from, and are consistent with, the approved maintenance programme.
- 1.2 Present maintenance status is established from, and is consistent with, maintenance records.

1.3 Special requirements that may affect future maintenance programmes are identified.

Range ageing aircraft, airworthiness authority requirements, modifications, structural inspection programmes, special maintenance requirements.

**Outcome 2**

Produce a maintenance forecast plan.

**Performance criteria**

2.1 Operator supplied data is checked to ensure consistency with future fleet and/or aircraft use.

2.2 Maintenance philosophy is applied to ensure calculated expiry of future maintenance requirements is within parameters and is consistent with utilisation.

Range block maintenance, equalised maintenance, phase maintenance.

2.3 Maintenance activities are scheduled within the limits of available capacity and estimated expiry dates.

**Outcome 3**

Update a maintenance forecast plan.

**Performance criteria**

3.1 Factors and/or circumstances which may impact on the maintenance forecast plan are identified.

3.2 Maintenance forecast plan is amended to reflect altered circumstances.

---

<b>Planned review date</b>	31 December 2027
----------------------------	------------------

**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

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](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.