

Title	Describe aviation technology		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to describe aviation technology.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
 - a *Civil Aviation Rules Part 1* on the CAA website at <https://www.caa.govt.nz>, and
 - b *Aeronautical Information Publication (AIP)* published by Aeronautical Information Management (AIM), PO Box 294, Wellington 6140 or on the AIM website at <http://www.aip.net.nz>.
- 2 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 3 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 4 Industry standards and recommended practices are those set in place by the CAA.
- 5 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, operator exposition.
- 6 Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rule Part 61 for a private pilot licence.

Outcomes and performance criteria

Outcome 1

Describe aviation technology.

Performance criteria

1.1 Glass cockpit is described.

Range may include but is not limited to – Electronic Flight Instrument System (EFIS), Electronic Centralised Aircraft Monitor (ECAM), Primary Flight Display (PFD), Multi-Function Display (MFD).

1.2 Traffic Alert and Collision Avoidance System (TCAS) and its purpose are described.

Range may include but is not limited to – Traffic Collision Alerting Device (TCAD), Portable Collision Avoidance System (PCAS).

1.3 Ground Proximity Warning System (GPWS) and its purpose are described.

Range may include but is not limited to – Enhanced Ground Proximity Warning System (EGPWS), Terrain Awareness and Warning System (TAWS).

1.4 Personal digital assistants (PDAs) and their use are described.

Range may include but is not limited to – operating systems, restrictions on aircraft use.

1.5 Reduced Vertical Separation Minima (RVSM) and methods of maintaining it are described.

Range includes but is not limited to – altimeters, autopilot.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2010	31 December 2018
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	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.