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| **1XXXXX** | **Describe and identify aviation support structures, aircraft types and operations in New Zealand** |

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| **Kaupae |** Level | 2 |
| **Whiwhinga |** Credit | 5 |
| **Whāinga |** Purpose | People credited with this skill standard have foundational knowledge of the support structures, aircraft types, and military and civilian operations, that are required for aviation to be safe and sustainable in New Zealand.This skill standard is intended for learners pursuing foundational knowledge in aviation. |

**Hua o te ako me Paearu aromatawai |** Learning outcomes and assessment criteria

| **Hua o te ako |** Learning outcomes  | **Paearu aromatawai |** Assessment criteria |
| --- | --- |
| 1. Describe and identify aviation support structures, aircraft types and operations in New Zealand.
 | 1. Describe the support structures that are required for aviation to be safe and sustainable.
 |
| 1. Describe the military aviation operations of the Royal New Zealand Air Force (RNZAF).
 |
| 1. Identify the airlines and aircraft types that fly to, from and within New Zealand.
 |
| 1. Describe other craft used for flying in New Zealand.
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**Pārongo aromatawai me te taumata paearu |** Assessment information and grade criteria

*Assessment specifications:*

The level of knowledge required in this unit standard is that of a broad, general nature which indicates an awareness of the purpose and function of support structures and operations rather than detailed content.

*Definitions:*

*Sustainable* is inclusive of the workforce, organisation, and industry.

***Ngā momo whiwhinga |*** *Grades available*

Achieved

**Ihirangi waitohu |** Indicative content

Support structures

* Air traffic control
* Flight information services
* Search and rescue
* Weather forecasting services
* Aviation Security Service (AvSec)
* Peer Assistance Network
* Aviation Medical Examiners
* Human Intervention Motivation Study
* The Civil Aviation Authority’s (CAA) Safe Haven initiative
* Aviation Industry Association and Aviation Engineers Association New Zealand’s mental health workshops.

Unions and aviation associations

* Aircraft Owners and Pilots Association of New Zealand
* Aviation Industry Association
* CAA
* New Zealand Agricultural Aviation Association
* New Zealand Air Line Pilots’ Association
* NZ Airports
* Royal New Zealand Aero Club

RNZAF

* Structure and roles of RNZAF operational flying units
* Aircraft types and squadron functions.
* Overview of aviation support services in RNZAF such as maintenance, logistics, communications, and ground support.

Airlines and airliners operating in New Zealand

* Identification of NZ based airlines and their aircraft types, such as for domestic and international operations, seating capacities, and aircraft models.
* Overview of Part 129 certificate holders – foreign airlines operating in NZ.
* Aircraft types used by Part 125 and Part 135 operators.
* Roles and tasks of helicopter operations, such as emergency services, tourism, agriculture, transport, and filming.

Aircraft size and shape

* Description of general aviation aircraft
	+ Light single-engine trainers
	+ Single and twin-engine passenger aircraft
	+ Agricultural aircraft
	+ Helicopters.
* Visual and functional characteristics of aircraft.

General aviation operations

* Activities of charter operators (e.g. passenger flights, sightseeing, medivac, traffic watch, television reporting).
* Differences between licensed and unlicensed airfields (e.g. certification (Part 139), security, of Aerodrome and Weather Information Broadcasts (AWIB), Universal Communications (UNICOM) services).
* Role of agricultural aviation (e.g. spraying, fertilising, seeding, pest control).
	+ Aircraft capabilities and operational requirements.

Other flying craft

* Description of hot air balloons and their operation.
* Types and uses of gliders and hang gliders – private, commercial, and competitive flying.
* Overview of microlights and gyrocopters – design, flight characteristics, and usage.
* Unmanned aerial vehicles (drones).

**Rauemi |** Resources

* [www.pan.org.nz/](https://www.pan.org.nz/)
* [www.aviation.govt.nz/licensing-and-certification/medical-certification/](https://www.aviation.govt.nz/licensing-and-certification/medical-certification/)
* hims.org.nz/
* [www.aviation.govt.nz/safety/safety-education-and-advice/education/vector-magazine/vector-online/introducing-safe-haven/](https://www.aviation.govt.nz/safety/safety-education-and-advice/education/vector-magazine/vector-online/introducing-safe-haven/)
* aianz.org.nz/conferences-workshops/locations-dates/
* [Civil Aviation Rule Part 125 Air Operations – Medum Aeroplanes](https://www.aviation.govt.nz/assets/rules/consolidations/Part_125_Consolidation.pdf)
* [Civil Aviation Rule Part 129 Foreign Air Transport Operator – Certification](https://www.aviation.govt.nz/assets/rules/consolidations/Part_129_Consolidation.pdf)
* [Civil Aviation Rule Part 135 Air Operations – Helicopters and Small Aeroplanes](https://www.aviation.govt.nz/assets/rules/consolidations/Part_135_Consolidation.pdf)
* [Civil Aviation Rule Part 139 Aerodromes – Certification, Operation and Use](https://www.aviation.govt.nz/assets/rules/consolidations/Part_139_Consolidation.pdf)

**Pārongo Whakaū Kounga |** Quality assurance information

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| **Ngā rōpū whakatau-paerewa |** Standard Setting Body | Ringa Hora Services Workforce Development Council |
| **Whakaritenga Rārangi Paetae Aromatawai |** DASS classification | Service Sector > Aviation > Aviation - Core |
| **Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga |** CMR | 0112 |

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| **Hātepe |** Process | **Putanga |** Version | **Rā whakaputa |** ReviewDate | **Rā whakamutunga mō te aromatawai |** Last date for assessment |
| **Rēhitatanga |** Registration  | 1 | [dd mm yyyy] | N/A |
| **Kōrero whakakapinga |** Replacement information | This skill standard replaced the unit standard 19586. |
| **Rā arotake |** Planned review date | 30 December 2030 |

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz to suggest changes to the content of this skill standard.