

## Qualification Details

<b>Qualification Title</b>		<b>New Zealand Diploma in Aviation (Aeroplane and Helicopter) (with strands in Agriculture, and General Aviation)</b>	
<b>Version</b>	2	<b>Qualification type</b>	Diploma
<b>Level</b>	5	<b>Credits</b>	Agriculture: 200 General Aviation: 240
<b>NZSCED</b>		030515 Engineering and Related Technologies > Aerospace Engineering and Technology > Aircraft Operation	
This qualification has been <b>reviewed</b> . The last date to meet the requirements is 31 December 2022.			
<b>Strategic purpose statement</b>		The purpose of this qualification is to provide the General Aviation and Agriculture sectors of the NZ Aviation Industry with individuals who have attained sufficient operational and theoretical knowledge and practical skills to achieve employment as commercial pilots or associated support staff in flight planning and aircraft operations. Graduates will qualify to operate as commercial pilots under the appropriate NZ Civil Aviation Authority (CAA) rules for General Aviation e.g. tourism, sport, air taxi/ambulance flights) and Agricultural Aviation and Aerial Application.	
<b>Outcome Statement</b>	<b>Graduate profile</b>	<p>To work as a General Aviation Pilot or Agriculture Pilot a graduate of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate a comprehensive understanding and appropriate application of the CAANZ Commercial Pilot License theory subjects for aeroplanes or helicopters.</li> <li>• Safely fly a single or multi-engined aircraft engaged in tourism, sport, air taxi/ambulance flights and other general aviation activity or the aerial application of chemicals, poisons or fertilisers as the pilot-in-command or as the co-pilot.</li> <li>• Comply with current national aeronautical regulations and laws, use aeronautical charts and navigation instruments to exercise the privileges granted to a CAANZ licensed Commercial Pilot.</li> <li>• Maintain safe operating conditions for all geographical areas and flying conditions encountered in New Zealand.</li> <li>• Communicate effectively with air traffic control services, co-pilot and passengers during normal aircraft operations and in response to 'unexpected events' occurring during flight or on the ground.</li> <li>• Apply knowledge of human behaviour and performance to ensure effective cockpit and team dynamics.</li> <li>• Exhibit professional and ethical conduct to promote a professional pilot image.</li> <li>• Identify the need for maintenance and arrange for maintenance to be carried out.</li> </ul>	
		<p>Graduates of the General Aviation Strand are also able to:</p> <ul style="list-style-type: none"> <li>• Safely load and carry dangerous goods by air to maintain the safety and security of passengers and crew during flight.</li> <li>• Independently or with another pilot prepare for, plan and fly a small single or multi-engined aircraft between one or more locations in Instrument Flight conditions during the day or at night.</li> </ul>	

	<p>Graduates of the Agriculture Strand are also able to:</p> <ul style="list-style-type: none"> <li>• Safely load and carry agrichemicals.</li> <li>• Calibrate application equipment appropriately to minimise risks to human health and maintain personal safety when working with agrichemicals.</li> <li>• Pilot aeroplanes or helicopters safely over farmlands or forests at very low altitudes to dust or spray fields with agrichemicals.</li> </ul> <p>Manage agrichemicals in accordance with the environmental impact and regulatory requirements HSNO Act and NZS 8409:2004 for use of agrichemicals.</p>
<b>Education pathway</b>	<p>This qualification builds on the skills acquired by people previously awarded the National Certificate in Aviation (Private Pilot) with strands in Aeroplane and Helicopter [Ref: 1290]. On completion of this qualification graduates may progress to the New Zealand Diploma in Aviation (Aeroplane and Helicopter) (Airline Preparation) (Level 6), New Zealand Diploma in Aviation (Aeroplane and Helicopter) (Flight Instruction) (Level 6), or a university bachelor degree in aviation management.</p>
<b>Employment pathway</b>	<p>Holders of this qualification are able to work as commercial pilots of an aeroplane or helicopter engaged in general aviation under the relevant Civil Aviation Authority (CAA) Rules or engage in Agricultural Aviation and Aerial Application under the relevant CAA Rules or in the associated support industries of flight planning and scheduling.</p>
<b>Qualification Developer</b>	<p>Aviation, Tourism and Travel Training Organisation</p>

### Qualification Specification

<b>Qualification award</b>	<p>This qualification may be awarded by accredited organisations, and the industry training organisation arranging training leading to the qualification in the industry for which it is recognised under section 5 of the Industry Training Act 1992.</p> <p>The formal document certifying the award of this qualification bears the NZQF logo, which indicates the qualification is a quality assured New Zealand qualification. It may also include the name or logo of the awarding body.</p>
<b>Arrangements for managing consistency</b>	<p>Evidence of meeting CAA Regulatory requirements, which may include but is not limited to Civil Aviation Rules Part 1, Part 12, Part 61, Part 67, Part 71, Part 91, Part 92, Part 93, Part 119, Part 135, Part 125, Part 121, and Part 137.</p> <p>Meet the requirements of the Consent and Moderation Requirements.</p> <p>In accordance with CAANZ Rules, a student must exhibit professional and ethical conduct to promote a professional pilot image throughout all aspects of this qualification.</p>
<b>Credit transfer and recognition of prior learning arrangements</b>	<p>ASL examination subjects will be matched to the relevant assessment standard(s) and credited.</p> <p>Flying competencies gained through a CAA approved assessment or examination will be matched to the relevant assessment standard(s) and credited.</p>

<b>Minimum standard of achievement and standards for grade endorsements (where applicable)</b>	Achievement of all outcomes and meeting CAA requirements.
<b>Pre requisites to meet regulatory body or legislative requirements (where applicable)</b>	Candidates must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rules Part 61 Subpart E for a commercial pilot licence.  Candidates must meet the Industry and Tertiary Education Commission (TEC) approved student selection and entry process.
<b>Optional conditions for qualification</b>	None.

### Conditions relating to specific outcomes

<b>Qualification Outcomes (including indicative credit values for each outcome)</b>	<b>Conditions</b>
<p>Demonstrate a comprehensive understanding and appropriate application of the CAANZ Commercial Pilot License theory subjects for aeroplanes or helicopters.</p> <p>Safely fly a single or multi-engined aircraft engaged in tourism, sport, air taxi/ambulance flights and other general aviation activity or the aerial application of chemicals, poisons or fertilisers as the pilot-in-command or as the co-pilot.</p> <p>Comply with current national aeronautical regulations and laws, use aeronautical charts and navigation instruments to exercise the privileges granted to a CAANZ licensed Commercial Pilot.</p> <p>Maintain safe operating conditions for all geographical areas and flying conditions encountered in New Zealand.</p> <p>Communicate effectively with air traffic control services, co-pilot and passengers during normal aircraft operations and in response to 'unexpected events' occurring during</p>	<p>Have a valid written examination credit, or approved equivalent, that covers the following commercial pilot licence subject areas:</p> <ul style="list-style-type: none"> <li>(i) air law (Unit standard 26203)</li> <li>(ii) flight navigation general (Unit standard 26204)</li> <li>(iii) meteorology (Unit standard 26206)</li> <li>(iv) principles of flight and aircraft performance (Aeroplane) (Unit standard 26208), or (Helicopter) (Unit standard 26186), as appropriate</li> <li>(v) general aircraft technical knowledge (Aeroplane) (Unit standard 26209), or (Helicopter) (Unit standard 26187), as appropriate</li> <li>(vi) human factors (Unit standard 26205)</li> </ul> <p>Have successfully demonstrated the following in a flight test:</p> <ul style="list-style-type: none"> <li>(i) knowledge in the ground examination subjects specified above, including those detailed in the examination knowledge deficiency reports</li> <li>(ii) knowledge of the privileges and limitations of a commercial pilot licence</li> <li>(iii) technical and operational knowledge relevant to the aircraft type to be used in the flight test</li> <li>(iv) competence to operate the aircraft within its performance capabilities and limitations in accordance with the aircraft flight manual in all normal, abnormal and emergency conditions and procedures while exercising appropriate levels of judgement and command</li> <li>(v) competence in radiotelephony (RTF) and phraseology</li> <li>(vi) control of the aircraft at all times in a manner that ensures the successful outcome of a procedure or manoeuvre is never in doubt.</li> </ul>

<p>flight or on the ground.</p> <p>Apply knowledge of human behaviour and performance to ensure effective cockpit and team dynamics.</p> <p>130 credits</p>	
<p>General Aviation Strand (Aeroplane)</p> <p>Safely load and carry dangerous goods by air to maintain the safety and security of passengers and crew during flight.</p> <p>Independently or with another pilot prepare for, plan and fly a small single or multi-engined aircraft between one or more locations in Instrument Flight conditions during the day or at night.</p> <p>Aeroplane - 55 credits</p> <p>General Aviation Strand (Helicopter)</p> <p>Safely load and carry dangerous goods by air to maintain the safety and security of passengers and crew during flight.</p> <p>Independently or with another pilot prepare for, plan and fly a small single engined aircraft between one or more locations during the day or at night.</p> <p>Helicopter - 20 credits</p>	<p>Aeroplane - Knowledge of the acceptance and carriage of dangerous goods by air; demonstrate competency for an appropriate type rating; demonstrate night flying and flights where Instrument Flight Rules are required.</p> <p>Have a valid written examination credit, or approved equivalent, that covers the following instrument rating subject areas:</p> <ul style="list-style-type: none"> <li>(i) air law for instrument flight (Unit standard 26806)</li> <li>(ii) navigation and flight planning (Unit standard 26808)</li> <li>(iii) instruments and navigation aids (Unit standard 26811)</li> </ul> <p>Demonstrate flying skills for an instrument rating in either single or multi-engine aircraft.</p> <p>Helicopter - Knowledge of the acceptance and carriage of dangerous goods by air; knowledge of turbine engines; demonstrate competency for an appropriate type rating; and demonstrate night flying.</p>
<p>Agriculture Strand (Aeroplane and Helicopter)</p> <p>Safely load and carry agrichemicals.</p> <p>Calibrate application equipment appropriately to minimise risks to human health and maintain personal safety when working with agrichemicals.</p> <p>Pilot aeroplanes or helicopters safely over farmlands or forests at very low altitudes to dust</p>	<p>Manage an aerial application loading site; manage chemicals on the site; calibrate and know how to configure aerial agrichemical application equipment; manage their own physical well being; provide first aid; and apply agrichemicals by aircraft.</p> <p>Knowledge of the environmental impacts and regulatory requirements related to agrichemical use, demonstrate knowledge of the acceptance and carriage of dangerous goods by air, and demonstrate competency for an appropriate type rating.</p>

<p>or spray fields with agrichemicals.</p> <p>Manage agrichemicals in accordance with the environmental impact and regulatory requirements HSNO Act and NZS 8409:2004 for use of agrichemicals.</p> <p>70 credits</p>	
<p>General Aviation Strand (Aeroplane)</p> <p>60 credits</p>	<p>A range of aviation skills which may include maintenance control, covering knowledge and skills in keeping with the CAA regulatory requirements for this role.</p>
<p>General Aviation Strand (Helicopter)</p> <p>90 credits</p>	<p>A range of aviation skills which may include maintenance control, covering knowledge and skills in keeping with the CAA regulatory requirements for this role, and flights where Instrument Flight Rules are required.</p>

## Transition information

<p>Replacement information</p>	<p>This qualification was replaced by the:</p> <ul style="list-style-type: none"> <li>• New Zealand Diploma in Aviation (General Aviation) (Level 5) with strands in Aeroplane, and Helicopter [Ref: 3688].</li> </ul>
<p>As this qualification is different in design to the replacement New Zealand qualification, it is the industry and SSB's preference and recommendation for trainees to enter into programmes leading to the new qualification.</p> <p>People currently enrolled in programmes leading to the <b>replaced</b> qualification may either complete the requirements by 31 December 2022 or transfer to the new qualification.</p> <p>The last date for entry into programmes leading to this qualification is 31 July 2020.</p> <p>The last date for assessment is 31 December 2022, at which time it will be discontinued.</p> <p>From that date no results can be reported against the qualification.</p> <p>It is the intention of ServiceIQ that no existing trainee should be disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged may appeal to ServiceIQ PO Box 25522, Wellington 6146.</p> <p><b>Republication Information:</b></p> <p>This qualification was republished in December 2019 to extend the last dates for entry and assessment.</p>	