

## Qualification Details

<b>Qualification Title</b>	New Zealand Diploma in Aviation (Aeroplane and Helicopter) (with strands in Airline Preparation, and Flight Instruction)		
<b>Version</b>	2	<b>Qualification type</b>	Diploma
<b>Level</b>	6	<b>Credits</b>	Flight instruction – Aeroplane 250 Flight instruction – Helicopter 230 Airline preparation – Aeroplane 290 Airline preparation – Helicopter 275
<b>NZSCED</b>	030515 Engineering and Related Technologies > Aerospace Engineering and Technology > Aircraft Operation		
<b>This qualification has been reviewed. The last date to meet the requirements is 31 December 2023.</b>			
<b>Strategic purpose statement</b>	The purpose of this qualification is to provide the Airline sectors and Flight Training Schools 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 in those fields. Graduates will qualify to operate as commercial pilots under the appropriate NZ Civil Aviation Authority (CAA) rules for air transport operations (e.g. regional, domestic, charter or international airlines) and flight instruction.		
<b>Outcome Statement</b>	<b>Graduate profile</b>	<p>To work as an Airline Pilot or Flight Instructor, a graduate of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>• Critically analyse and apply the CAANZ Airline Transport Licence or Flight Instructor rating theory subjects for aeroplanes or helicopters.</li> <li>• Comply with current national and international aeronautical regulations and laws, use aeronautical charts and navigation instruments to operate as a CAANZ Airline Transport Pilot or Flight Instructor.</li> <li>• Communicate effectively and concisely ideas, directions and operations with national and international air traffic control services, airline crew and passengers during normal aircraft operations and in response to 'unexpected events' occurring during flight or on the ground.</li> <li>• Implement and evaluate problem solving skills to initiate corrective actions during stressful and potentially hazardous in-flight or ground situations.</li> <li>• Conduct themselves professionally and ethically within industry best practice guidelines.</li> <li>• Identify the need for maintenance and arrange for maintenance to be carried out in accordance with CAANZ regulations and guidelines.</li> </ul>	

		<p>Graduates of the Airline Preparation Strand are also able to:</p> <ul style="list-style-type: none"> <li>• Apply and integrate knowledge and skills that prepares them to operate safely in a large complex aircraft and to understand the technologies and human factors that affect successful airline operations.</li> <li>• Apply, integrate and evaluate specialised technical and theoretical knowledge of human behaviour and performance to act as pilot-in-command in an airline environment.</li> <li>• Safely act as the pilot-in-command or as the co-pilot of a multi-engined multi-crew aircraft engaged in regional, national, charter or international airline air transport operations.</li> <li>• Maintain safe operating conditions for all geographical areas and flying conditions that might be encountered nationally and internationally.</li> <li>• Confidently manage automation, complex equipment and technically challenging systems present within the modern airline environment.</li> <li>• Apply a range of knowledge of human behaviour and performance to ensure effective cockpit and flight crew dynamics within an airline operating environment.</li> </ul>
		<p>Graduates of the Flight Instruction Strand are also able to:</p> <ul style="list-style-type: none"> <li>• Meet the requirements of a CAANZ 'C' Category instructor to instruct a diverse population of students in ground subjects and the art of flying from the private through commercial pilot and instrument ratings on single or multi-engine aircraft.</li> <li>• Safely fly a single or multi-engined aircraft engaged in tourism, sport, air taxi/ambulance flights and other general aviation activity as the pilot-in-command or as the co-pilot and instruct a student how to perform these tasks.</li> <li>• Apply a range of knowledge of human behaviour and performance to ensure effective cockpit and instructor/student dynamics.</li> <li>• Apply high level language and literacy skills to explain complex technical concepts sufficiently to develop and enhance student pilot performance both in the air and in the classroom.</li> <li>• Provide leadership, instruction, training, assessment and supervision to coach, mentor, and provide feedback to colleagues and students.</li> </ul>
	<p><b>Education pathway</b></p>	<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] and the New Zealand Diploma in Aviation (Aeroplane and Helicopter) (with strands in Agriculture, and General Aviation) (Level 5). On completion of this qualification graduates may progress to a university bachelor degree in aviation management.</p>
	<p><b>Employment pathway</b></p>	<p>Holders of this qualification are able to work as commercial pilots of an aeroplane or helicopter engaged in air transport operations under the relevant Civil Aviation Authority (CAA) Rules, or engage in flight instruction under the relevant CAA Rules, or in the associated support industries of flight planning and scheduling.</p>
	<p><b>Qualification Developer</b></p>	<p>Ringa Hora Services Workforce Development Council</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 conduct themselves professionally and ethically within industry best practise guidelines 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>	<p>Achievement of all outcomes and meeting CAA requirements.</p>
<b>Pre requisites to meet regulatory body or legislative requirements (where applicable)</b>	<p>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.</p> <p>Candidates must meet the Industry and Tertiary Education Commission (TEC) approved student selection and entry process.</p>
<b>Optional conditions for qualification</b>	<p>None.</p>

## Conditions relating to specific outcomes

<b>Qualification Outcomes (including indicative credit values for each outcome)</b>	<b>Conditions</b>
<p>Critically analyse and apply the CAANZ Airline Transport Licence or Flight Instructor rating theory subjects for aeroplanes or helicopters.</p> <p>Comply with current national and international aeronautical regulations and laws, use aeronautical charts and navigation instruments to operate as a CAANZ Airline Transport Pilot or Flight Instructor.</p> <p>Communicate effectively and concisely ideas, directions and operations with national and international air traffic control services, airline crew and passengers</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>during normal aircraft operations and in response to 'unexpected events' occurring during flight or on the ground.</p> <p>Implement and evaluate problem solving skills to initiate corrective actions during stressful and potentially hazardous in flight or ground situations.</p> <p>Conduct themselves professionally and ethically within industry best practice guidelines.</p> <p>Identify the need for maintenance and arrange for maintenance to be carried out in accordance with CAANZ regulations and guidelines.</p> <p>Aeroplane - 130 credits</p> <p>Helicopter - 150 credits</p>	<p>(vii) basic gas turbines (Unit standard 26181) (Helicopter), as appropriate</p> <p>Have successfully demonstrated the following in a flight test:</p> <p>(i) knowledge in the ground examination subjects specified above, including those detailed in the examination knowledge deficiency reports</p> <p>(ii) knowledge of the privileges and limitations of a commercial pilot licence</p> <p>(iii) technical and operational knowledge relevant to the aircraft type to be used in the flight test</p> <p>(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</p> <p>(v) competence in radiotelephony (RTF) and phraseology</p> <p>(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.</p>
<p>Airline Preparation Strand</p> <p>Apply and integrate knowledge and skills that prepares them to operate safely in a large complex aircraft and to understand the technologies and human factors that affect successful airline operations.</p> <p>Apply, integrate and evaluate specialised technical and theoretical knowledge of human behaviour and performance to act as pilot-in-command in an airline environment.</p> <p>Safely act as the pilot-in-command or as the co-pilot of a multi-engined multi-crew aircraft engaged in regional, national, charter or international airline air transport operations.</p> <p>Maintain safe operating conditions for all geographical areas and flying conditions that might be encountered nationally and internationally.</p> <p>Confidently manage automation, complex equipment and technically challenging systems present within the modern airline environment.</p> <p>Apply a range of knowledge of human behaviour and performance to ensure effective cockpit and flight crew dynamics within an airline operating environment.</p> <p>Aeroplane - 160 credits</p> <p>Helicopter - 125 credits</p>	<p>Aeroplane - Knowledge and readiness for airline multi-crew flying operations, 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 and ATPL subject areas:</p> <p>(i) air law for instrument flight (Unit standard 26806)</p> <p>(ii) navigation and flight planning (Unit standard 26808)</p> <p>(iii) instruments and navigation aids (Unit standard 26811)</p> <p>(iv) basic gas turbines (Unit standard 26181)</p> <p>(v) air law for ATPL (Aeroplane) (Unit standard 26807)</p> <p>(vi) flight navigation general for ATPL (Unit standard 26809)</p> <p>(vii) meteorology for ATPL (Unit standard 26804)</p> <p>(viii) advanced aerodynamics, performance and systems (Aeroplane) (Unit standard 26805)</p> <p>(ix) flight planning for ATPL (Aeroplane) (Unit standard 26810)</p> <p>(x) instruments and navigation aids for ATPL (Aeroplane) (Unit standard 26812)</p> <p>(xi) human factors for ATPL (Unit standard 26820)</p> <p>Helicopter - Knowledge and readiness for airline multi-crew flying operations.</p> <p>Have a valid written examination credit, or</p>

	<p>approved equivalent, that covers the following instrument rating and ATPL 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 26812)</li> <li>(iv) air law for ATPL (Helicopter) (Unit standard 26818)</li> <li>(v) flight navigation general for ATPL (Unit standard 26809)</li> <li>(vi) meteorology for ATPL (Unit standard 26804)</li> <li>(vii) aerodynamics and aircraft systems for ATPL (Helicopter) (Unit standard 26821)</li> <li>(viii) flight planning for ATPL (Helicopter) (Unit standard 26819)</li> <li>(ix) helicopter performance and loading for ATPL (Unit standard 27260)</li> <li>(x) human factors for ATPL (Unit standard 26820)</li> </ul>
<p><b>Flight Instruction Strand</b></p> <p>Meet the requirements of a CAANZ 'C' Category instructor to instruct a diverse population of students in ground subjects and the art of flying from the private through commercial pilot and instrument ratings on single or multi-engine aircraft.</p> <p>Safely fly a single or multi-engined aircraft engaged in tourism, sport, air taxi/ambulance flights and other general aviation activity as the pilot-in-command or as the co-pilot and instruct a student how to perform these tasks.</p> <p>Apply a range of knowledge of human behaviour and performance to ensure effective cockpit and instructor/student dynamics.</p> <p>Apply high level language and literacy skills to explain complex technical concepts sufficiently to develop and enhance student pilot performance both in the air and in the classroom.</p> <p>Provide leadership, instruction, training, assessment and supervision to coach, mentor, and provide feedback to colleagues and students.</p> <p>Aeroplane - 100 credits</p> <p>Helicopter – 80 credits</p>	<p>Aeroplane - Demonstrate competency for a Category C flight instructor rating including night flight, knowledge of flight instructional techniques, and knowledge and skills as advanced pilot in command (aeroplane).</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>Helicopter - Demonstrate competency for a Category C flight instructor rating including night flight instruction, knowledge of flight instructional techniques, and knowledge and skills as advanced pilot in command (helicopter).</p>

<p>Flight Instruction Strand (Aeroplane)</p> <p>20 credits</p>	<p>Demonstrate flying skills for an instrument rating in either single or multi-engine aircraft.</p> <p>A range of aviation skills which may include instruction in night flight, aerobatic flight, spinning flight, and multi-engine flight.</p>
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## 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 (Level 6) with strands in Aeroplane Flight Instruction, Aeroplane Airline Preparation, Helicopter Flight Instruction, and Helicopter Airline Preparation [Ref: 3689].</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 this qualification may either complete the requirements by 31 December 2023 or transfer to the replacement 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 2023 at which time it will be discontinued. From that date no results can be reported against this qualification.</p> <p>It is the intention of Ringa Hora Workforce Development Council that no existing trainee should be disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged may appeal to:</p> <p>Ringa Hora Services Workforce Development Council PO Box 445 Wellington</p> <p>Phone: 04 909 0306 Web: <a href="https://www.ringahora.nz/">https://www.ringahora.nz/</a> Email: <a href="mailto:Qualifications@ringahora.nz">Qualifications@ringahora.nz</a></p> <p><b>Republication Information:</b></p> <p>This qualification was republished in December 2022 to extend the last date for assessment from 31 December 2022 to 31 December 2023. Please refer to <a href="#">Qualifications and Assessment Standards Approvals</a> for further information.</p>	