

Qualification details

Qualification number/Te nama o te tohu mātauranga	2908		
English title/Taitara Ingarihi	New Zealand Certificate in Aeronautical Engineering (Aircraft Manufacture) (Level 4)		
Māori title/Taitara Māori			
Version number/Te putanga	2	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	4	Credits/Ngā whiwhinga	120
NZSCED/Whakaraupapa	031503 Engineering and Related Technologies>Aerospace Engineering and Technology>Aircraft Maintenance Engineering		
Qualification developer/Te kaihanganga tohu	Ringa Hora Services Workforce Development Council		
Review Date /Te rā arotake	31/12/2027		

Outcome statement/Te tauāki ā-hua

Strategic Purpose statement/ Te rautaki o te tohu
<p>The purpose of this qualification is to provide the New Zealand aircraft manufacturing industry with graduates who have gained the skills and knowledge required of people working in all areas of aircraft manufacturing, as well as including a concentration of specialist skills required for an operator working under either, the New Zealand Defence Force Airworthiness Policy, or Part 145, Part 146, and/or Part 148 Rules and the Civil Aviation Act 1990.</p> <p>This qualification is intended for learners who are planning to pursue a career in the aviation industry as an aeronautical engineer with specialist aircraft manufacturing competency.</p> <p>Graduates will be competent in a range of skills to complete aircraft manufacturing tasks.</p>

Graduate Profile/Ngā hua o te tohu
<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - Complete aircraft structural manufacturing tasks, employing aeronautical engineering tools and equipment, using and interpreting appropriate aircraft documentation and drawings. - Use specialist skills and equipment applicable to the aircraft manufacturing industry to manufacture aircraft and their components.

Education Pathway/ Ngā huarahi mātauranga

<p>This qualification can provide a pathway to other training opportunities in Aeronautical Engineering.</p> <p>Pathway qualifications include:</p> <p>New Zealand Diploma in Aeronautical Maintenance Certification (Level 6) with strands in Aeroplane, Rotorcraft, Powerplant Piston, Powerplant Turbine, Electrical, Instrument, and Radio [Ref: 2907].</p>

<p>Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki</p>
<p>Graduates will have the skills and knowledge to work as an unlicensed aeronautical structural engineer within an aircraft manufacturing context.</p>

Qualification Specifications/ Ngā tauwhāititanga o te tohu

<p>Qualification Award/ Te whakawhiwhinga o te tohu</p>	<p>This qualification may be awarded by any education organisation with an approved programme.</p>
<p>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</p>	<p>Evidence may include the following:</p> <ul style="list-style-type: none"> analysis of employer surveys to determine if graduates of the qualification meet the graduate profile outcomes analysis of graduate surveys to determine if graduates of the qualification meet the graduate profile outcomes analysis of a range of workplace evidence demonstrating that graduates of the qualification meet the graduate profile outcomes evidence of effective internal and external quality assurance systems to assure that graduates of the qualification meet the graduate profile outcomes.
<p>Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga</p>	<p>Achieved.</p>
<p>Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)</p>	<p>None.</p>
<p>General conditions for programme/ Ngā tikanga whānui o te hōtaka</p>	<p>To achieve this qualification trainees must at all times comply with aviation regulations applicable to aeronautical engineers, such as those set-in place by Civil Aviation Authority (CAA) Rules or New Zealand Defence Force (NZDF) Policy.</p> <p>Additional guidance and recommendations for programme development can be found on the Ringa Hora website at https://www.ringahora.nz/qualifications-and-standards-overview/programme-guidance-documents-for-providers-developing-programmes/</p> <p>Providers are advised to refer to the Ringa Hora Services Workforce Development Council Programme</p>

	<p>endorsement considerations:</p> <ul style="list-style-type: none"> • Ngā Whakamārama - Programme content • Mana ōrite mō te hunga ako - Equity for learners • Torotoronga me te kimi whakaaro - Programme engagement and consultation • Te ao Māori • Te akoako me ngā reo o Te Moana-nui-a-Kiwa - Pacific languages and learners • Tangata Whaikaha - Disabled people <p>Further information is available from NZQA on Programme approval and provider accreditation</p>
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Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu

Qualification outcomes/ Ngā hua	Credits/Ngā whiwhinga	Conditions/Ngā tikanga
1. Complete aircraft structural manufacturing tasks, employing aeronautical engineering tools and equipment, using and interpreting appropriate aircraft documentation and drawings.	80 credits	<p>Programmes must include the following focus areas:</p> <p>The use and interpretation of appropriate aircraft documentation and drawings, in line with current aeronautical engineering practices and best practice for safety.</p> <p>Recommended unit standards: 2430, 3894, 3896, 4033, 4067, 4070, 4072, 28139, 28140, 4078, 21905, 20799, 20632, 28032</p>
2. Use specialist skills and equipment applicable to the aircraft manufacturing industry to manufacture aircraft and their components.	40 credits	<p>Recommended unit standards: 4028, 4029, 4034, 4086, 15887, 4009, 20633, 4012, 3901, 3903, 3908, 3911, 20634, 4026, 4032, 4068, 4073, 4079, 4080, 4081, 4083, 2676, 2677, 2686, 2688</p>

Transition information/ He kōrero whakawhiti

Replacement information/ He kōrero mō te whakakapi	<p>This qualification replaced the National Certificate in Aeronautical Engineering (Aircraft Manufacture) [Ref: 0742].</p> <p>The National qualification was discontinued on 31 December 2020.</p>
Additional transition information/ Kō ētahi atu kōrero mō te whakakapi	<p>Version Information</p> <p>Version 2 of this qualification was published in December 2022 as the result of a scheduled review.</p> <p>Please refer to Qualifications and Assessment Standards Approvals for further information.</p> <p>The last date for assessment for programmes leading to version 1 of this qualification is 31 December 2026.</p> <p>It is the intention of Ringa Hora Services Workforce Development Council that no existing trainee should be disadvantaged by these transition arrangements.</p> <p>Any person who considers they have been disadvantaged</p>

	<p>may appeal to:</p> <p>Ringa Hora Services Workforce Development Council PO Box 445 Wellington Phone: 04 909 0306 Web: https://www.ringahora.nz/ Email Qualifications@ringahora.nz</p>
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