

FIELD ENGINEERING AND TECHNOLOGY

Review of *Aeronautical Engineering* qualifications

National Certificate in Aircraft Servicing (Level 3) [Ref: 0171]

National Certificate in Aeronautical Engineering (Specialist Support) (Level 4) with optional strands in Aeronautical Composites; Aeronautical Electroplating; Aeronautical Machining; Aeronautical Non Destructive Testing Aircraft Furnishings and Equipment; Aircraft Mechanical; Aircraft Painting; Aircraft Powerplant; Aircraft Structures; Armament; Avionics; and Rotorcraft [Ref: 0191]

National Certificate in Aircraft Engineering (Level 4) with strands in Aeronautical Non Destructive Testing, Aircraft Mechanical, Aircraft Powerplant, Aircraft Structures, Armament, Avionic Electrical Repair, Avionic Instrument Repair, Avionic Maintenance, Avionic Radio Repair, and Rotorcraft [Ref: 0192]

National Certificate in Aeronautical Engineering (Related Technology) (Level 3) [Ref: 0381]

National Certificate in Aeronautical Storekeeping (Level 3) [Ref: 0618]

National Certificate in Aeronautical Engineering (Aircraft Manufacture) (Level 4) [Ref: 0742]

National Certificate in Aeronautical Engineering (Maintenance Control) (Level 4) [Ref: 1132]

National Diploma in Aeronautical Maintenance Certification (Level 6) with strands in Aeroplane, Rotorcraft, Powerplant Piston, Powerplant Turbine, Electrical Instrument, and Radio [Ref: 1133]

National Diploma in Aeronautical Engineering (Maintenance Planning) (Level 5) [Ref: 1258]

National Certificate in Aeronautical Engineering (Gas Turbine Overhaul) (Level 4) [Ref: 1366]

ServiceIQ has completed the mandatory review of the qualifications listed above.

Replacement qualifications and new qualifications

New Zealand Certificate in Aeronautical Engineering (Pre-Employment Skills) (Level 3) [Ref: 2898]

New Zealand Certificate in Aeronautical Engineering (Production Control) (Level 6) [Ref: 2899]

New Zealand Certificate in Aeronautical Engineering (Specialist Support) (Level 4) with strands in General Aviation; Aeronautical Composites; Aeronautical Electroplating; Aeronautical Machining; Aeronautical Non Destructive Testing; Aircraft Furnishings and Equipment; Aircraft Mechanical; Aircraft Painting; Aircraft Powerplant; Aircraft Structures; Armament; Avionics; and Rotorcraft [Ref: 2900]

New Zealand Certificate in Aeronautical Engineering (Workplace Introductory Skills) (Level 4) [Ref: 2901]

New Zealand Certificate in Aeronautical Storekeeping (Aviation Parts Handling/Aviation Toolstore) (Level 3) [Ref: 2902]

New Zealand Certificate in Aircraft Servicing (Level 3) [Ref: 2903]

New Zealand Diploma in Aeronautical Engineering (Maintenance Planning) (Level 5)
[Ref: 2904]

New Zealand Diploma in Aeronautical Engineering (Quality Assurance) (Level 6)
[Ref: 2905]

New Zealand Diploma in Aeronautical Engineering (Technical Support) (Level 6)
[Ref: 2906]

New Zealand Diploma in Aeronautical Maintenance Certification (Level 6) with strands in
Aeroplane, Rotorcraft, Powerplant Piston, Powerplant Turbine, Electrical, Instrument, and
Radio) [Ref: 2907]

New Zealand Certificate in Aeronautical Engineering (Aircraft Manufacture) (Level 4) [Ref:
2908]

New Zealand Certificate in Aeronautical Engineering (Applied Skills) (Level 4) with strands
in Aeronautical Composites, Aeronautical Non Destructive Testing, Aircraft Mechanical,
Aircraft Powerplant, Aircraft Structures, Armament, Avionic Electrical Repair, Avionic
Instrument Repair, Avionic Radio Repair, Avionic Maintenance, and Rotorcraft [Ref: 2909]

New Zealand Certificate in Aeronautical Engineering (Gas Turbine Overhaul) (Level 4)
[Ref: 2910]

New Zealand Certificate in Aeronautical Engineering (Maintenance Control) (Level 4)
[Ref: 2911]

Date published

Month 20xx

The next qualification review is planned to take place during 2021.

Summary of review and consultation process

The Aeronautical Engineering qualifications have been reviewed as part of the Targeted Review of Qualifications (TRoQ) process during 2013 to 2015. The mandatory review involved extensive consultation with stakeholders working in and with the industry, most significantly Air New Zealand, the Royal New Zealand Air Force, and Training Providers. Consultation included meetings to discuss the need to review the qualifications, and subsequent meetings considered the proposed content of the qualifications.

Industry and providers confirmed the on-going need for the suite of qualifications.

The existing National qualifications have been replaced by New Zealand qualifications, as detailed below.

Main changes resulting from the review

National Certificate in Aircraft Servicing [Ref: 0171]
replaced by

New Zealand Certificate in Aircraft Servicing (Level 3) [Ref: 2903]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Storekeeping [Ref: 0618]

replaced by

New Zealand Certificate in Aeronautical Storekeeping (Aviation Parts Handling/Aviation Toolstore) (Level 3) [Ref: 2902]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Engineering (Related Technology) [Ref: 0381]

replaced by

New Zealand Certificate in Aeronautical Engineering (Pre-Employment Skills) (Level 3) [Ref: 2898]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Engineering (Aircraft Manufacture) [Ref: 0742]

replaced by

New Zealand Certificate in Aeronautical Engineering (Aircraft Manufacture) (Level 4) [Ref: 2908]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aircraft Engineering with strands in Aeronautical Non Destructive Testing, Aircraft Mechanical, Aircraft Powerplant, Aircraft Structures, Armament, Avionic Electrical Repair, Avionic Instrument Repair, Avionic Maintenance, Avionic Radio Repair, and Rotorcraft [Ref: 0192]

replaced by

New Zealand Certificate in Aeronautical Engineering (Applied Skills) (Level 4) with strands in Aeronautical Composites, Aeronautical Non Destructive Testing, Aircraft Mechanical, Aircraft Powerplant, Aircraft Structures, Armament, Avionic Electrical Repair, Avionic Instrument Repair, Avionic Radio Repair, Avionic Maintenance, and Rotorcraft [Ref: 2909]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Engineering (Gas Turbine Overhaul) [Ref: 1366]

replaced by

New Zealand Certificate in Aeronautical Engineering (Gas Turbine Overhaul) (Level 4) [Ref: 2910]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Engineering (Maintenance Control) [Ref: 1132]

replaced by

New Zealand Certificate in Aeronautical Engineering (Maintenance Control) (Level 4) [Ref: 2911]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Certificate in Aeronautical Engineering (Specialist Support) with optional strands

in Aeronautical Composites; Aeronautical Electroplating; Aeronautical Machining; Aeronautical Non Destructive Testing Aircraft Furnishings and Equipment; Aircraft Mechanical; Aircraft Painting; Aircraft Powerplant; Aircraft Structures; Armament; Avionics; and Rotorcraft [Ref: 0191]

replaced by

New Zealand Certificate in Aeronautical Engineering (Specialist Support) (Level 4) with strands in General Aviation; Aeronautical Composites; Aeronautical Electroplating; Aeronautical Machining; Aeronautical Non Destructive Testing; Aircraft Furnishings and Equipment; Aircraft Mechanical; Aircraft Painting; Aircraft Powerplant; Aircraft Structures; Armament; Avionics; and Rotorcraft [Ref: 2900]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Diploma in Aeronautical Engineering (Maintenance Planning) (Level 5) [Ref: 1258]

replaced by

New Zealand Diploma in Aeronautical Engineering (Maintenance Planning) (Level 5) [Ref: 2904]

Review category	B	See Key to Qualification Review Categories at the end of report
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National Diploma in Aeronautical Maintenance Certification with strands in Aeroplane, Rotorcraft, Powerplant Piston, Powerplant Turbine, Electrical Instrument, and Radio [Ref: 1133]

replaced by

New Zealand Diploma in Aeronautical Maintenance Certification (Level 6) with strands in Aeroplane, Rotorcraft, Powerplant Piston, Powerplant Turbine, Electrical, Instrument, and Radio [Ref: 2907]

Review category	B	See Key to Qualification Review Categories at the end of report
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New Qualifications:

New Zealand Certificate in Aeronautical Engineering (Workplace Introductory Skills) (Level 4) [Ref: 2901]

New Zealand Diploma in Aeronautical Engineering (Quality Assurance) (Level 6) [Ref: 2905]

New Zealand Diploma in Aeronautical Engineering (Technical Support) (Level 6) [Ref: 2906]

New Zealand Certificate in Aeronautical Engineering (Production Control) (Level 6) [Ref: 2899]

Transition

As the New Zealand qualifications are different in design and content to the replaced National qualifications, it is the industry and SSB's preference and recommendation for trainees to enter into programmes leading to the new qualifications.

Trainees currently enrolled in programmes leading to the replaced qualifications may either complete the requirements by 31 Dec 2020 or transfer to the new qualification.

The last date for entry into programmes leading to the replaced qualifications [Ref: 0191,

0192, 0381, 1133, and 1366] is 31 Dec 2017.

The last date for entry into programmes leading to the replaced qualifications [Ref: 0171, 0618, 0742, 1132, and 1258] is 31 Dec 2018.

The last date for assessment of the replaced qualifications is 31 Dec 2020 at which time they will be discontinued.

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

Telephone 0800 863693
Fax 04 8175399
Email qualifications@serviceiq.org.nz

Key to Qualification Review Categories

Category A The qualification is published as a new version with the same NQF ID	Changes are made to SSB name, contact details or purpose statement
	No change is made to title, rules or components of the qualification
	No transition arrangements are required
Category B The qualification is published as a new version with the same NQF ID	Changes are made to title, rules or components
	The new version of the qualification recognises a similar skill set to that recognised by the previous version
	The SSB is confident that people awarded the new or previous version are comparable in terms of competence
Category C A new (replacement) qualification is published with new NQF ID	Transition arrangements are required if candidates must gain additional/different credits for the new version
	Significant changes are made to the qualification in terms of components, structure, type or level
	The SSB views people with the replacement qualification as being significantly different in terms of competence from those with the replaced qualification
	Transition arrangements are required
Category D Qualification will expire. There is no replacement qualification	Transition may be limited to phase-out dates
	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set