

**Qualification Title:** New Zealand Diploma in Air Traffic Services (Level 6) with strands in Aerodrome Control and Approach Control Procedural, Area and Approach Control Surveillance and Area Control Procedural, and Automatic Dependent Surveillance

**Qualification number:** 2231

**Date of review:** 22 August 2022

This report refers to all graduates awarded this qualification prior to: 31 December 2021

**Final decision on consistency of the qualification: National consistency is confirmed**

It was agreed at the review meeting that the threshold, for the purpose of this consistency review, was aligned with the graduate profile outcomes of the qualification.

**Threshold:**

The threshold to determine sufficiency with the graduate profile was determined as evidence of graduates being able to:

- Integrate the theoretical, practical and interpersonal components that underpin the practice of the CAA Air Traffic Controller requirements.

Graduates of the Aerodrome Control and Approach Control Procedural strand will also be able to:

- Be responsible for making informed decisions based on situational awareness, relating to the safe management of air traffic situations, critically analysing traffic situations for potential conflict, and communicating timely instructions and/or information to ensure a safe, orderly, and expeditious traffic flow is maintained by the application of aerodrome and approach control procedures in non-radar non-complex, complex, abnormal and/or emergency situations under simulated conditions.

Graduates of the Area and Approach Control Surveillance and Area Control Procedural strand will also be able to:

- Be responsible for making informed decisions based on situational awareness, relating to the safe management of air traffic situations, critically analysing traffic situations for potential conflict, and communicating timely instructions and/or information to ensure a safe, orderly, and expeditious traffic flow is maintained using area and approach control surveillance, and area control procedures in non-radar non-complex, complex, abnormal and/or emergency situations under simulated conditions.

Graduates of the Automatic Dependent Surveillance strand will also be able to:

- Be responsible for making informed decisions based on situational awareness, relating to the safe management of air traffic situations, critically analysing traffic situations for potential conflict, and communicating timely instructions and/or

## Final Consistency Review Report

information to ensure a safe, orderly, and expeditious traffic flow is maintained using automatic dependent surveillance procedures in non-complex, complex, abnormal and/or emergency situations under simulated conditions.

### Education Organisations with sufficient evidence

The following education organisations have been found to have sufficient evidence.

MOE Number	Education Organisation	Final rating
6043	Airways International Limited	Sufficient

### Introduction

The purpose of this Level 6, 120-180 credit qualification is to provide the air traffic services sector of the aviation industry with individuals who have attained sufficient operational and theoretical knowledge and practical skills to undertake on-job training to become licenced and rated air traffic controllers. The qualification outcomes recognise the theoretical knowledge and practical operational skills and are aligned with the International Civil Aviation Organization (ICAO) and Civil Aviation Authority (CAA) regulatory requirements for air traffic services.

The qualification requirement specifies that trainees must hold exam credits for the CAA Air Traffic Controller theoretical subjects in Air Law, Operational Procedures, Meteorology, Air Navigation, Principles of Flight and Aircraft Performance, and Human Performance, which are most likely gained through completion of the New Zealand Certificate in Air Traffic Services (Air Traffic Services Theory) (Level 5) [Ref: 2230]. Trainees must be at least 20 years of age to commence a training programme.

On completion of this qualification, a graduate will have the skills and knowledge to be employed as a licenced air traffic control trainee in one of the following contexts:

- Tower Control Trainee who will undertake training to control traffic visually within the Control Zone. Control towers may also have a radar screen to assist in the provision of visual control (to provide confirmation of the position of aircraft)
- Radar Control Trainee who will undertake training to control in an approach or area surveillance unit
- Oceanic trainee who will undertake training at a unit where Automatic Dependent Surveillance (ADS) is a requirement.

The qualification was developed by Service IQ in collaboration with the air traffic services sector of the aviation industry in 2014. A review is scheduled for later this year.

There was one education organisation, Airways International Limited (Airways), with graduates from their programme of study leading to the award of this qualification. This organisation had 46 graduates over the reporting period for this consistency review.

The consistency review was held via an online meeting and was attended by representatives of Airways International Limited, Service IQ and the new qualification developer - Ringa Hora Services Workforce Development Council.

## Final Consistency Review Report

### Evidence

The education organisation provided a range of evidence to demonstrate that their graduates met the graduate profile outcomes (GPOs).

The criteria used to judge the evaluation question were:

- The nature, quality and integrity of the evidence presented by the education organisation
- How well the organisation has analysed, interpreted and validated the evidence, and used the understanding gained to achieve actual or improved consistency
- The extent to which the education organisation can reasonably justify and validate claims and statements relating to the consistency of graduate outcomes, including in relation to other providers of programmes leading to the qualification.

The evidence included:

- The programme of study incorporating the mandatory unit standards that map to the graduate profile outcomes
- On-site moderation visit results
- Samples of quality and assessment processes, including end of course reports, examiner competency assessment forms, student and customer reports, and transcripts of results
- Feedback from graduates regarding their readiness for the next level of study
- Employer attestation letter
- Destination data – both employment and further study.

### **How well does the self-assessment and supporting evidence provided by the education organisation demonstrate that its graduates match the graduate outcomes at the appropriate threshold?**

The education organisation, Airways, submitted an extensive range of evidence that was able to be triangulated to demonstrate that their graduates match the graduate outcomes at the agreed threshold. As this is a highly regulated industry, Airways engages the support of civil aviation industry experts in the training and assessment processes, and the related evidence provides additional assurance that the graduates' skills and knowledge align with industry standards and match the graduate outcomes.

Comprehensive evidence relating to the programme of study and Service IQ's mapping of Airways' in-house training programme to the unit standard learning outcomes, provides confidence that the learners were provided with learning and assessment activities that assured the development of the graduate profile outcomes in them. Moderation evidence confirmed the quality and suitability of assessments and supported the consistency of the graduates' achievements.

Feedback from graduates, instructors, examiners, and the employer confirmed that the graduates had gained the skills and knowledge outlined in the graduate profile and were well prepared for the higher level of study (level 7 programme). Programme completion and destination data showed that all the domestic graduates had continued in study at the next level, and the majority had successfully completed the programme and were continuing to be employed.

## **Final Consistency Review Report**

Overall, the self-assessment and supporting evidence supplied demonstrates that the graduates meet the graduate outcomes at the agreed threshold.

### **Examples of good practice**

Engaging industry experts to contribute to the training and assessment processes, adds credibility, relevance, and validity to the consistency of the graduate outcomes.

### **Issues and concerns**

None.

### **Recommendations to Qualification Developer**

None.