



Australian Government

AVI50308 Diploma of Aviation (Air Traffic Control)

Revision Number: 1

AVI50308 Diploma of Aviation (Air Traffic Control)

Modification History

Not applicable.

Description

Rationale:

A specialist qualification for the aviation industry. Successful completion will require competency in units that relate to work defined as aligned at AQF Level 5. Qualifications should be structured to align with licensing and regulatory requirements applicable to Air Traffic Controllers.

The self-directed application of knowledge and skills, with substantial depth in some areas where judgement is required in planning and selecting appropriate equipment, services and techniques for self and others. Applications involve participation in the development of strategic initiatives as well as personal responsibility and autonomy in performing complex technical operations or organising others. It may include participation in teams, including those concerned with planning and evaluation functions. Group or team coordination may be involved.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills Summary for AVI50308 Diploma of Aviation (Air Traffic Control)

The following table contains a summary of the employability skills as identified by the Aviation Industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none">• Communicate effectively with managers, staff, clients and suppliers in the course of air traffic control• Listen to and interpret complex verbal information related to air traffic control including the clarification and confirmation of work requirements and the receiving of operational feedback• Read and interpret applicable regulations, policy documents, strategic plans, technical data, signage, labels, safety management systems, tenders, contracts, project plans, etc.• Speak clearly and directly on diverse and complex matters related to air traffic control including sharing data, requirements and procedures relevant to operations, issuing clear and timely instructions, communicating operational details to internal and external stakeholders, and providing support and feedback to staff• Write complex documents including communicating with internal and external stakeholders and preparing reports, project plans, specifications and technical reports• Responsibly negotiate complex issues with others in the course of air traffic control including resolving conflict, obtaining resources necessary to achieve objectives and negotiating processes and procedures appropriate to statutory and legal requirements• Recognise and interpret non-verbal signs, signals and behaviour• Establish and implement the organisation's

Employability Skill**Industry/enterprise requirements for this qualification include:**

communication systems and procedures

- Establish and use networks including active involvement in business or professional networks and the building of relationships to provide benefits for the team and organisation
- Use numeracy effectively to understand operational and data, perform calculations, forecast resource requirements, and audit performance.

Teamwork

- Provide situational leadership in appropriate circumstances
- Manage the resolution of any interpersonal conflicts that may arise in the course of air traffic control
- Motivate self and others
- Provide opportunities for staff to achieve and maintain competence
- Coach, mentor and give feedback to colleagues
- Provide information, instruction, training and supervision where required
- Manage the avoidance and prevention of harassment of others in the workplace
- Ensure the active participation of team members in meeting goals and objectives
- Collaborate with staff and others in the course of air traffic control
- Work collaboratively with stakeholders in the context of air traffic control
- Work with staff and other persons of different ages, gender, race, religion, political persuasion, etc.

Problem solving

- Develop practical solutions for problems arising in the course of air traffic control including assessing hazards and ensuring there are plans or processes to manage identified risks, monitoring issues which arise in the course of operations and creating, implementing and applying risk management systems
- Manage hazards and risks in complex and diverse situations that may occur in the

Employability Skill

Industry/enterprise requirements for this qualification include:

course of air traffic control

- Solve problems in teams including responding to changes in environment or circumstances, coordinating requirements and issues, and evaluating and monitoring performance
- Show independence and initiative in identifying problems and solving them.

Problem solving (continued)

- Test assumptions taking the context of data and circumstances into account
- Audit and review systems and plans
- Use applicable mathematics to solve complex problems related to air traffic control.

Initiative and enterprise

- Modify activities dependent on differing work situations and contingencies
- Take appropriate initiatives in complex and diverse situations such as those above
- Recognise and respond to changes in internal and external operating environments
- Contribute to and manage continuous improvement processes
- Be creative in approaches to change and innovation, in response to conflicts in coordination and allocation of resources
- Translate ideas into action including applying consultative processes, developing plans, applying new technologies and concepts
- Value input from colleagues
- Manage the response to any contingencies and changes in equipment, standard operating procedures and the working environment.

Planning and organising

- Implement operational and emergency plans, systems and procedures for the organisation
- Establish and implement systems and procedures for maintaining compliance with applicable regulations and codes of practice
- Establish and implement workplace security and safety management systems (where applicable)

Employability Skill**Industry/enterprise requirements for this qualification include:**

- Contribute to the monitoring, evaluation and reporting on operational performance and compliance
- Collect, analyse, interpret and organise information needed during air traffic control activities

**Planning and organising
(continued)**

- Prepare scope of work and work plans for self and team members where required
- Be resourceful in planning for and assessing risk
- Ensure feedback and other data contribute to improvements in operational effectiveness
- Manage time and priorities in the course of air traffic control
- Ensure feedback and other data contribute to improvements in operational effectiveness.

Self management

- Interpret and apply relevant regulations and instructions
- Establish and follow own work plans and schedules
- Evaluate and monitor own work performance
- Take responsibility for meeting own objectives
- Have confidence in own vision and goals
- Develop trust and confidence in staff and other stakeholders
- Maintain effective networks.

Learning

- Adapt to any changes in systems, equipment and procedures and the workplace operating environment
- Be open to new ideas and change and in particular facilitate and support change processes with staff and apply previous experience and feedback in formulating improvements to practice
- Provide opportunities for instruction, coaching and mentoring others in the workplace as required
- Contribute to the assessment of the competence of others in the workplace
- Identify personal training needs

Employability Skill**Industry/enterprise requirements for this qualification include:**

- Adapt own competence in response to any changes in air traffic control processes
- Update own knowledge and skills required for air traffic control activities.
- Use complex equipment and IT systems required during air traffic control activities
- Apply a range of IT skills
- Use IT to organise and access data including the monitoring of air traffic control processes, including the tracking of aircraft and the recording and reporting of system status
- Applying IT as a management tool to store and organise data
- Implement and monitor operational and maintenance procedures and systems for equipment used during air traffic control activities
- Implement and monitor the application of OH&S procedures when using IT and office equipment and facilities.

Technology

Packaging Rules

Requirements for completion of the qualification:

A successful assessment outcome for a total of at least **8 units** comprising:

- all **7 units** from the **core units** listed below
- plus
- at least **1 elective unit** from the elective units list.

Core Units

Field	Unit
E Communication and Calculation	AVIE5002B Apply air traffic control communication procedures and services
F Safety Management	AVIF5003B Manage human performance and team resources during air traffic control operations
	AVIF5013A Provide SAR alerting and emergency control
G Teamwork	AVIG5001B Work professionally in an air traffic control workplace
W Equipment and Systems Operations	AVIW5013B Operate air traffic control equipment and workstations
Y Aircraft Operation and Traffic Management	AVIY5022B Manage traffic flow
Z Situation Awareness	AVIZ5049A Manage situational awareness in the air traffic control environment

Elective Units

Field	Unit
Y Aircraft Operation and Traffic Management	AVIY5048A Provide approach control services
	AVIY5049A Provide area control services
	AVIY5050A Provide aerodrome control services