



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AVI50408 Diploma of Aviation (Instrument Flight Operations)**

**Revision Number: 1**

## **AVI50408 Diploma of Aviation (Instrument Flight Operations)**

### **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 Instrument Flight Operations.

*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 AVI50408 Diploma of Aviation (Instrument Flight Operations)

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"><li>• Communicate effectively with others while in flight</li><li>• Listen to and interpret complex verbal information related to the flight including the clarification and confirmation of work requirements and the receiving of operational feedback</li><li>• Read and interpret applicable regulations, policy documents, flight plans, instrument panels, technical data, signage, labels, safety management systems, charts, project plans, etc.</li><li>• Speak clearly and directly on diverse and complex matters related to the flight including sharing data, requirements and procedures relevant to operations, issuing clear and timely instructions and information, communicating operational details to internal and external stakeholders, and providing support and feedback to crew</li><li>• Write complex documents including preparing reports, plans, specifications and technical reports</li><li>• Responsibly negotiate complex issues with others in the course of flight including obtaining information necessary to achieve objectives and negotiating processes and procedures appropriate to statutory and legal requirements</li><li>• Recognise and interpret non-verbal signs, signals and behaviours</li><li>• Implement communication systems, protocols and procedures</li><li>• Use networks including active involvement</li></ul>

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

- in professional networks and the building of relationships to provide benefits for the team and organisation
- Use numeracy effectively to understand operational flight data, perform calculations, forecast requirements and measure performance.

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

- Provide situational leadership in appropriate circumstances
- Motivate self and others
- 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
- Collaborate with others in the flight course
- Work collaboratively with stakeholders in the flight context
- Work with others of different ages, gender, race, religion, culture etc.

**Problem solving**

- Develop practical solutions for problems arising in the course of flight including assessing hazards and ensuring there are plans or processes to manage identified risks, monitoring issues which arise in the course of operations and implementing and applying risk management systems
- Manage hazards and risks in complex and diverse situations that may occur in the course of flight
- Respond to changes in environment or circumstances, coordinating requirements and evaluating and monitoring ongoing performance
- Show independence and initiative in identifying problems and solving them.
- Review systems and plans
- Use applicable mathematics to solve complex problems related to flight.

**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

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

- 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.

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

- Implement operational and emergency plans, systems and procedures
- Implement systems and procedures for maintaining compliance with applicable regulations and codes of practice as far as practicable
- Implement workplace security and safety management systems (where applicable)
- Contribute to the monitoring, evaluation and reporting on operational performance and compliance
- Collect, analyse, interpret and organise information needed during flight activities
- 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 flight
- 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

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

- 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
- Adapt own competence in response to any changes in operational environment
- Update own knowledge and skills required for flight activities.



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

- Use complex equipment and IT systems required during flight
- Apply a range of IT skills
- Use IT to organise and access data including the monitoring of the flight including the instrument and the recording and the 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 flight
- Implement and monitor the application of OH&S procedures when using IT and other equipment and facilities.

**Packaging Rules****Requirements for completion of the qualification:**

A successful assessment outcome for a total of at least **9 units** comprising:

- **8 core units** listed below

plus

- at least **1 of the elective units** listed below.

NB: An **optional units list** is also provided so as to allow organisations the flexibility to meet specific needs beyond the mandatory 9 units which make up the qualification.

**Core Units**

Field	Unit
<b>H Route Planning and Navigation</b>	AVIH5016A Plan a flight under Instrument Flight Rules (IFR)
	AVIH5017A Navigate aircraft -IFR
<b>W Equipment and Systems Operations</b>	AVIW5018A Operate and manage aircraft systems
<b>Y Aircraft Operation and Traffic Management</b>	AVIY5020A Conduct full instrument panel manoeuvres

AVIY5021A	Conduct limited instrument panel manoeuvres
AVIY5025A	Perform an instrument arrival
AVIY5027A	Perform instrument departure - non published procedure
AVIY5033A	Perform visual circling approach

**Elective Units**

Field	Unit
<b>Y Aircraft Operation and Traffic Management</b>	AVIY5034A Perform non-directional beacon (NDB) instrument approach
	AVIY5035A Perform VHF omni-directional radio range (VOR) instrument approach

**Optional Units**

Field	Unit
<b>Y Aircraft Operation and Traffic Management</b>	AVIY5023A Operate multi-engine fixed wing aeroplane
	AVIY5026A Perform standard arrival route (STAR)
	AVIY5028A Perform instrument departure - published procedure (SIDSRD)
	AVIY5036A Perform instrument landing system (ILS) instrument approach
	AVIY5037A Perform distance measuring equipment (DME)/global positioning system arrival
	AVIY5038A Perform global positioning system (GPS)/non-precision approach (NPA)
	AVIY5065A Operate a multi-engine helicopter

