



COMPANION VOLUME IMPLEMENTATION GUIDE

AVI Aviation Training Package

Release 12.0

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ABOUT INDUSTRY SKILLS AUSTRALIA

Industry Skills Australia (ISA) has been appointed as the Jobs and Skills Council (JSC) for the nation's Aviation, Maritime, Transport and Logistics and Rail industries and the emerging sectors of Omnichannel Logistics and Distribution, and Air and Space Transport and Logistics.

Jobs and Skills Councils have **four (4) broad roles**:

1. **Industry Stewardship** which involves gathering industry intelligence to reliably represent the views and needs of industry back to the VET system and its decision-makers
2. **Workforce Planning** which enables industry to identify its workforce development issues and design high-impact solutions, which are then captured in the Committee's national Workforce Plan for the industry
3. **Training Product Development** which focusses on improving the quality, speed to market and responsiveness of training products to employer and workforce needs
4. **Implementation, promotion and monitoring** which involves supporting training providers, promoting careers and monitoring how well the system is meeting the needs of industry and learners.

Jobs and Skills Councils replace and subsume the work of previous Industry Reference Committees, Skills Service Organisations and Skills Organisations.

ISA was established in early 2023, 28 years after its predecessor TDT Australia was established as a National Training Advisory Body in 1995. Following reforms to Australia's vocational training system, we became the Transport and Logistics Industry Skills Council in 2005 and Industry Skills Australia (Skills Service Organisation) in 2016

More information about ISA can be found at www.industryskillsaustralia.org.au.

Overview Information

This Companion Volume Implementation Guide (CVIG) is designed to assist assessors, trainers, Registered Training Organisations (RTOs) and enterprises in delivering the AVI Aviation Training Package. It provides advice about the structure of the Training Package, its key features and useful links to more detailed information on a range of related topics.

Version control and modification history

Training Packages are dynamic documents and are amended periodically to reflect the latest industry practices. Training Packages are version controlled so it is essential that the latest release is always used.

In the version control and modification history table below, the latest information is provided first.

Release Number	Release Date	Comments
12.0	TBA	Reviewed Qualification (1) AVI30426 Certificate III in Aviation Remote Pilot New Units of Competency (4) AVIU0001 Apply basic meteorology for remotely piloted aircraft operations

Release Number	Release Date	Comments
		AVIW0042 Apply remotely piloted aircraft operations and procedures AVIW0044 Use automated flight management systems for remotely piloted aircraft AVIY0096 Apply basic aeronautical knowledge for remotely piloted aircraft systems Reviewed Units of Competency (13) AVIF0050 Manage human performance factors for remotely piloted aircraft operations AVIH0020 Operate remotely piloted aircraft systems in extended visual line of sight (EVLOS) AVIH0021 Operate remotely piloted aircraft systems under night visual line of sight (NVLOS) AVIH0022 Interpret airspace charts and aeronautical publications for remotely piloted aircraft systems AVIT0001 Apply the principles of air law to remotely piloted aircraft systems AVIW0043 Manage energy sources for remotely piloted aircraft systems AVIW0045 Capture data for operations using remotely piloted aircraft systems AVIW0046 Conduct aerial search using remotely piloted aircraft AVIY0097 Operate powered-lift remotely piloted aircraft systems AVIY0098 Operate multirotor remotely piloted aircraft systems AVIY0099 Operate fixed wing remotely piloted aircraft systems AVIY0100 Conduct aerial application operations using remotely piloted aircraft systems AVIY0101 Apply payload and configuration management principles for remotely piloted aircraft systems AVIY0102 Launch, control and recover a specialised multirotor remotely piloted aircraft (7 – 25 kg) Reviewed Skill Sets (1) AVISS00090 Remotely Piloted Aircraft Systems Observer Skill Set Training Products Deleted (6) AVIW0004 Perform operational inspection on remote operated systems AVIW0009 Conduct aerial delivery/retrieval operations using remote piloted aircraft systems AVIW0028 Operate and manage remote pilot aircraft systems AVIY0024 Operate remote pilot airship AVIY0029 Operate rotary wing remote pilot aircraft systems

Release Number	Release Date	Comments
		AVIY0052 Control remote pilot aircraft systems on the ground
11.0	28 May 2025	Reviewed Qualifications (3) AVI20325 Certificate II in Transport Security Protection AVI30525 Certificate III in Airborne Operations AVI40225 Certificate IV in Airborne Operations Reviewed Units of Competency (27) AVIF0047 Apply awareness of dangerous goods and hazardous substances in the transport security environment AVIF0048 Undertake aircraft underwater escape and survival AVIF0049 Utilise emergency breathing systems AVIG0006 Work effectively in a transport security environment AVIO0027 Apply electronic metal detection AVIO0028 Conduct primary screening of persons AVIO0029 Conduct screening using 3D CT X-ray scanning techniques AVIO0030 Conduct screening using explosive trace detection equipment AVIO0031 Conduct secondary screening of persons AVIO0032 Conduct vehicle search for access to secure areas AVIO0033 Establish secure areas and manage access control points AVIO0034 Identify and manage weapons, explosives and prohibited items AVIO0035 Identify powders, liquids, aerosols and gels (PLAGs) AVIO0036 Manage disruptive behaviour and unlawful interference within a transport security environment AVIO0037 Manage the flow of items for screening by X-ray screening equipment AVIO0038 Screen articles by interpreting X-ray images AVIO0039 Undertake physical search AVIW0036 Complete aircraft and flight equipment pre- and post-flight actions AVIW0037 Deliver pyrotechnics and handheld stores AVIW0038 Manage aircraft sensor systems AVIW0039 Perform down the wire duties AVIW0040 Rappel from a helicopter AVIW0041 Undertake helicopter aquatic rescue and recovery AVIY0092 Conduct airborne extraction operations AVIY0093 Conduct airborne rappelling operations AVIY0094 Conduct external load-lift operations AVIY0095 Conduct winching operations Reviewed Skill Sets (9)

Release Number	Release Date	Comments
		AVISS00081 Air Cargo Transport Security Protection Skill Set AVISS00082 Aviation Transport Security Protection Skill Set AVISS00083 Maritime Transport Security Protection Skill Set AVISS00084 Aerodrome Reporting Officer Supervisor Skill Set AVISS00085 Airborne Rappelling Supervisor Skill Set AVISS00086 Aircraft Underwater Escape Skill Set AVISS00087 Emergency Breathing System Skill Set AVISS00088 Helicopter Down the Wire Skill Set AVISS00089 Aeromedical Operator Skill Set Training Product Maintenance (4) AVI40122 Certificate IV in Aviation (Supervision) AVI50119 Diploma of Aviation (Aviation Management) AVI30219 Certificate III in Aviation (Cabin Crew) AVI50322 Diploma of Aviation (Commercial Pilot Licence - Helicopter) Training Products Deleted (2) AVISS00077 International Airport Screening Officer Skill Set AVISS00079 3D Computed Tomography (CT) X-ray Scanning Skill Set
10.0	20 October 2022	New or Reviewed Qualifications (4) AVI40122 Certificate IV in Aviation (Supervision) AVI40422 Certificate IV in Aviation (Remote Pilot-Beyond Visual Line of Sight) AVI50322 Diploma of Aviation (Commercial Pilot Licence – Helicopter) AVI59922 Diploma of Aviation (Chief Remote Pilot) New or Reviewed Units of Competency (29) AVIE5002 Apply air traffic control communication procedures and services AVIF5003 Manage human performance and team resources during air traffic control operations AVIF5013 Provide search and rescue alerting and emergency response AVIG0004 Apply regulatory obligations AVIG0005 Conduct aviation on-the-job training AVIH0018 Implement flight planning procedures AVIH0019 Manage aircraft performance and load AVILIC0004 Licence to operate a commercial helicopter AVIN0006 Manage RPAS assets AVIO0023 Coordinate response to security incidents and breaches AVIO0024 Facilitate screening of people with special circumstances AVIO0025 Interpret and implement transport security policies and procedures

Release Number	Release Date	Comments
		AVIO0026 Manage aviation security screening equipment AVIP0001 Manage RPAS applications, approvals and permissions AVIW0035 Manage multi-crew operations AVIW5013 Operate air traffic control equipment and workstations AVIY0084 Conduct helicopter pre-solo exercises AVIY0085 Control helicopter during advanced manoeuvres AVIY0086 Manage abnormal situations and emergencies – helicopter AVIY0087 Operate helicopter at low level AVIY0088 Operate helicopter on solo navigation flights AVIY0089 Operate helicopter solo in the circuit area AVIY0090 Pilot a helicopter during external load operations AVIY0091 Apply aeronautical knowledge and civil air law to flight dispatch operations AVIY5022 Manage traffic flow AVIY5048 Provide approach control services AVIY5049 Provide area control services AVIY5050 Provide aerodrome control services AVIZ5049 Manage situational awareness in the air traffic control environment Training Product Maintenance (9) AVI50115 Diploma of Aviation (Air Traffic Control) AVI10119 Certificate I in Aviation (Foundation Skills) AVI20119 Certificate II in Aviation (Flight Operation-Cargo Services) AVI20219 Certificate II in Aviation (Ground Operations and Service) AVI30119 Certificate III in Aviation (Aerodrome Operations) AVI30219 Certificate III in Aviation (Cabin Crew) AVI30519 Certificate III in Aviation (Rescue Crew Officer) AVI50119 Diploma of Aviation (Aviation Management) AVI50419 Diploma of Aviation (Flight Instructor)
9.0	27 April 2022	New or Reviewed Qualification (1) AVI50222 Diploma of Aviation (Commercial Pilot Licence – Aeroplane) New or Reviewed Unit of Competency (1) AVIY0083 Execute advanced aeroplane manoeuvres and procedures Training Product Maintenance (4) AVILIC0003 Licence to operate a commercial aeroplane AVIY0017 Control aircraft in advanced flight manoeuvres AVISS00068 Single Engine Aeroplane Pilot Skill Set

Release Number	Release Date	Comments
		AVISS00069 Multi-Engine Aeroplane Pilot Skill Set
8.3	23 March 2022	Training Product Maintenance AVI30219 Certificate III in Aviation (Cabin Crew) AVI30519 Certificate III in Aviation (Rescue Crew Officer) AVI40119 Certificate IV in Aviation (Air Crew Officer) AVI50319 Diploma of Aviation (Commercial Pilot Licence - Helicopter) AVISS00035 Aircraft Underwater Escape Skill Set AVISS00037 Cabin Crew Supervisor Skill Set AVISS00058 Aeromedical Operator Skill Set * incorporate changes as a result of updates to HLT products
8.2	11 November 2021	Training Product Maintenance AVI20118 Certificate II in Transport Security Protection
8.1	25 May 2021	Training Product Maintenance (11) AVI10119 Certificate I in Aviation (Foundation Skills) AVI20119 Certificate II in Aviation (Flight Operations-Cargo Services) AVI20219 Certificate II in Aviation (Ground Operations and Service) AVI30219 Certificate III in Aviation (Cabin Crew) AVI30319 Certificate III in Aviation (Ground Operations and Service) AVI30519 Certificate III in Aviation (Rescue Crew Officer) AVI40120 Certificate IV in Aviation (Aviation Supervision) AVI50319 Diploma of Aviation (Commercial Pilot Licence - Helicopter) AVI50219 Diploma of Aviation (Commercial Pilot Licence - Aeroplane) AVI50519 Diploma of Aviation (Instrument Rating) AVI50419 Diploma of Aviation (Flight Instructor) Deleted Qualifications (2) AVI60119 Advanced Diploma of Aviation (Chief Flight Instructor) AVI40319 Certificate IV in Aviation (Flight Operations Supervision) Deleted Skill Sets (13) AVISS00031 Aerobatic Pilot Skill Set AVISS00032 Airborne Rappelling Skill Set

Release Number	Release Date	Comments
		AVISS00034 Airborne Recovery Skill Set AVISS00043 Cargo Hold Baggage Handler Skill Set AVISS00044 Marine Transfer Pilot Skill Set AVISS00048 Rappelling and Hoisting Pilot Skill Set AVISS00059 Baggage Handler Skill Set AVISS00060 Dangerous Goods Pack and Accept Skill Set AVISS00062 Flight Dispatcher Skill Set AVISS00064 Aeroplane Maintenance Test Pilot Skill Set AVISS00065 Helicopter Maintenance Test Pilot Skill Set AVISS00067 Multi-Engine Helicopter Pilot Skill Set AVISS00070 Flight Examiner Pilot Skill Set Deleted Units of Competency (30) AVIY0011 Conduct maintenance test flight activities AVIY0015 Perform an aerobatic sequence AVIY0038 Operate aeroplane at low level AVIW0031 Supervise aircraft refuelling AVIW0015 Fast rope from a helicopter AVIW0019 Operate aircraft push-out tug AVIW0021 Defuel aircraft AVIY0039 Conduct aerial application operations AVIY0082 Operate a multi-engine helicopter AVIY4057 Perform helicopter deck landing operations AVIY4061 Perform aerobatic manoeuvres AVIY0071 Pilot a helicopter during hoisting operations AVIY0042 Apply aeronautical knowledge and civil air law to flight dispatch operations AVIY0043 Monitor flight performance AVIY0070 Pilot a helicopter during rappelling operations AVIH0011 Manage aircraft performance and load AVIH0012 Implement instrument flight rules planning procedures AVII0013 Carry out aircraft business and first class meal and non-alcoholic beverage service AVIF0025 Manage human factors in flight dispatch operations AVID0003 Package dangerous goods for air transport AVID0008 Accept freight for air transport AVID0010 Unload aviation freight and baggage AVIM0006 Conduct a flight test AVIW0010 Operate an aerobridge

Release Number	Release Date	Comments
		AVIW0013 Be airborne extracted by suspended rope AVIW0014 Be airborne extracted using suspended extraction equipment AVIR0001 Service customer airline contracts AVIM0007 Plan and conduct multi-crew cooperation training AVIM0011 Deliver operational flight management training AVIN0005 Manage flight training
8.0	15 April 2021	New or Reviewed Qualification (2) AVI20119 Certificate II in Aviation (Flight Operations-Cargo Services) AVI20219 Certificate II in Aviation (Ground Operations and Service) New or Reviewed Skill Set (1) AVISS00080 Remotely Piloted Aircraft Operations in Excluded Category Sub-2 kg Skill Set New or Reviewed Unit of Competency (1) AVIY0028 Operate remotely piloted aircraft in excluded category sub-2 kg operations
7.1	31 March 2021	Training Product Maintenance (1) AVIY0075 Perform published instrument departure procedures
7.0	01 February 2021	New or Reviewed Qualification (1) AVI40120 Certificate IV in Aviation (Aviation Supervision) New or Reviewed Unit of Competency (1) AVIO0022 Undertake response action to an emergency or security threat Training Product Maintenance (9) AVI20219 Certificate II in Aviation (Ground Operations and Service) AVI30319 Certificate III in Aviation (Ground Operations and Service) AVI50119 Diploma of Aviation (Aviation Management) AVIC4002 Administer airside driving AVIF4008 Supervise cabin safety and security AVIG2003 Work in a socially diverse environment AVII4013 Supervise cabin operations AVII4015 Monitor and enhance customer service excellence

Release Number	Release Date	Comments
		AVIO4003 Implement airside access
6.0	28 July 2020	New or Reviewed Skill Set (1) AVISS00079 3D Computed Tomography (CT) X-ray Scanning Skill Set New or Reviewed Unit of Competency (1) AVIO0021 Conduct screening using 3D CT X-ray scanning techniques Training Product Maintenance (3) AVI50119 Diploma of Aviation (Aviation Management) AVIF0020 Manage human factors and situational awareness AVIF0038 Undertake aircraft underwater escape and survival
5.0	13 August 2019	New and Reviewed Qualifications (19) AVI10119 Certificate I in Aviation (Foundation Skills) AVI20119 Certificate II in Aviation (Flight Operations-Cargo Services) AVI20219 Certificate II in Aviation (Ground Operations and Service) AVI30119 Certificate III in Aviation (Aerodrome Operations) AVI30219 Certificate III in Aviation (Cabin Crew) AVI30319 Certificate III in Aviation (Ground Operations and Service) AVI30419 Certificate III in Aviation (Remote Pilot) AVI30519 Certificate III in Aviation (Rescue Crew Officer) AVI40119 Certificate IV in Aviation (Air Crew Officer) AVI40219 Certificate IV in Aviation (Aviation Supervision) AVI40319 Certificate IV in Aviation (Flight Operations Supervision) AVI40419 Certificate IV in Aviation (Remote Pilot - Beyond Visual Line of Sight) AVI50119 Diploma of Aviation (Aviation Management) AVI50219 Diploma of Aviation (Commercial Pilot Licence - Aeroplane) AVI50319 Diploma of Aviation (Commercial Pilot Licence - Helicopter) AVI50419 Diploma of Aviation (Flight Instructor) AVI50519 Diploma of Aviation (Instrument Rating) AVI60119 Advanced Diploma of Aviation (Chief Flight Instructor) AVI60219 Advanced Diploma of Aviation (Pilot in Command)

Release Number	Release Date	Comments
		New and Reviewed Units of Competency (199) AVIB0001 Manage and carry out pre- and post-flight cabin checks AVIB0002 Inspect and report on aerodrome serviceability AVIB0003 Inspect and report on serviceability of aerodrome lighting systems AVIB0004 Inspect and report on obstacle limitation surfaces AVIC0001 Drive on the airside AVID0003 Package dangerous goods for air transport AVID0004 Conduct baggage handling operations AVID0005 Accept dangerous goods for air transport AVID0006 Prepare freight for flight AVID0007 Conduct aviation freight weighing operations AVID0008 Accept freight for air transport AVID0009 Load and secure aviation freight and baggage AVID0010 Unload aviation freight and baggage AVIE0002 Maintain airspace interactions in remote pilot aircraft systems BVLOS operations AVIE0003 Operate aeronautical radio AVIE0004 Conduct radio procedures in an aviation operational environment AVIE0005 Complete a Notice to Airmen (NOTAM) AVIE0006 Maintain aircraft radio communications AVIF0016 Manage network data links AVIF0017 Develop a risk management plan for beyond visual line of sight operations AVIF0018 Manage risks with unmanned aerial systems (UAS) beyond visual line of sight (BVLOS) AVIF0019 Implement complex human factors in remote pilot aircraft systems beyond visual line of sight (BVLOS) AVIF0020 Manage human factors and situational awareness in an aviation operational environment AVIF0021 Manage human factors in remote pilot aircraft systems operations AVIF0022 Maintain work health and safety procedures in remote pilot aircraft systems AVIF0023 Apply aircraft safety procedures AVIF0024 Provide first aid in an aviation environment AVIF0025 Manage human factors in flight dispatch operations AVIF0026 Implement aviation risk management processes

Release Number	Release Date	Comments
		AVIF0027 Implement aviation fatigue risk management processes AVIF0028 Manage aviation risk AVIF0029 Implement threat and error management strategies AVIF0030 Manage safe flight operations AVIF0031 Manage threats and errors as pilot in command AVIF0032 Manage human factors as pilot in command AVIF0033 Manage aircraft passengers and cargo AVIF0034 Apply aviation work health and safety procedures AVIF0035 Manage human factors in aviation operations AVIF0036 Implement regulations and policies during aviation safety and service operations AVIF0037 Monitor the transfer of hazardous materials AVIF0038 Undertake aircraft underwater escape and survival AVIF0039 Utilise emergency breathing system AVIF0040 Employ fatigue risk management practices in an aviation workplace AVIF0041 Maintain the safety of people and aircraft AVIF0042 Respond to abnormal and emergency situations in an aircraft AVIF0043 Apply relevant laws and regulations to the operation of an aerodrome AVIF0044 Marshal aircraft AVIF0045 Facilitate the safety of aerodrome works and works site access AVIF0046 Facilitate an aerodrome emergency response AVIG0002 Lead a work team or group in a controlled environment AVIG0003 Work effectively in the aviation industry AVIH0006 Navigate remote pilot aircraft systems AVIH0007 Operate remote pilot aircraft systems under night visual line of sight (NVLOS) AVIH0008 Operate remote pilot aircraft systems in extended visual line of sight (EVLOS) AVIH0009 Manage aircraft flight planning and performance as pilot in command AVIH0010 Plan a flight under visual flight rules AVIH0011 Manage aircraft performance and load AVIH0012 Implement instrument flight rules planning procedures AVIH0013 Plan a flight under instrument flight rules AVIH0014 Navigate aircraft under visual flight rules

Release Number	Release Date	Comments
		AVIH0015 Plan a flight under night visual flight rules AVIH0016 Navigate aircraft under night visual flight rules AVIH0017 Navigate aircraft under instrument flight rules AVII0003 Advise on major services and attractions at aviation destinations AVII0004 Provide quality customer service AVII0005 Provide customer service on an aircraft AVII0006 Carry out beverage service on an aircraft AVII0007 Provide advice about cuisine on an aircraft AVII0008 Conduct in-flight retailing AVII0009 Check in aircraft passengers AVII0010 Provide assistance to transit and arriving passengers AVII0011 Carry out food preparation and service on an aircraft AVII0012 Apply knowledge of the structure, products and services of an airline operator AVII0013 Carry out aircraft business and first class meal and non-alcoholic beverage service AVIJ0001 Contribute to the achievement of on-time performance standards AVIJ0002 Conduct quality control operations related to refuelling and defuelling aircraft AVIL0002 Manage shifts, crewing and rostering activities in aviation AVIL0003 Manage a check-in queue AVIL0004 Complete aircraft dispatch duties AVIL0005 Plan an aircraft load AVIL0006 Assess pavement concessions AVILIC0003 Licence to operate a commercial aeroplane AVILIC0004 Licence to operate a commercial helicopter AVIM0003 Conduct aeronautical knowledge training and flight training AVIM0004 Conduct training for the issue of an endorsement AVIM0005 Facilitate non-technical skills instruction AVIM0006 Conduct a flight test AVIM0007 Plan and conduct multi-crew cooperation training AVIM0008 Operate a simulator AVIM0009 Facilitate training in a synthetic environment AVIM0010 Conduct flight review AVIM0011 Deliver operational flight management training AVIN0003 Command an aircraft in a multi-crew environment

Release Number	Release Date	Comments
		AVIN0004 Supervise and manage safe flight operations as pilot in command AVIN0005 Manage flight training AVIO0016 Manage security procedures as pilot in command AVIO0017 Manage disruptive behaviour and unlawful interference with aviation AVIO0018 Use firearms on an aerodrome to control wildlife hazards AVIO0019 Apply and monitor aviation workplace security procedures AVIO0020 Monitor airside access and airside driving AVIR0001 Service customer airline contracts AVIW0001 Operate and manage advanced remote pilot aircraft systems AVIW0002 Manage multi-crew operation in beyond visual line of sight (BVLOS) operations AVIW0003 Undertake helicopter aquatic rescue and recovery AVIW0004 Perform operational inspections on remote operated systems AVIW0005 Determine meteorological factors for remote pilot aircraft operations AVIW0006 Perform infrastructure inspections using remote operated systems AVIW0007 Perform aerial mapping and modelling using remote piloted aircraft systems AVIW0008 Conduct aerial search using remote piloted aircraft AVIW0009 Conduct aerial delivery/retrieval operations using remote piloted aircraft systems AVIW0010 Operate an aerobridge AVIW0011 Operate baggage tug AVIW0012 Operate aircraft refuelling nozzle AVIW0013 Be airborne extracted by suspended rope AVIW0014 Be airborne extracted using suspended extraction equipment AVIW0015 Fast rope from a helicopter AVIW0016 Rappel from a helicopter AVIW0017 Operate aircraft embarkation and disembarkation equipment AVIW0018 Operate ramp equipment AVIW0019 Operate aircraft push-out tug AVIW0020 Refuel aircraft AVIW0021 Defuel aircraft

Release Number	Release Date	Comments
		AVIW0022 Coordinate aircraft movements and storage AVIW0023 Implement wildlife hazard control measures AVIW0024 Perform down the wire duties AVIW0025 Complete aircraft and flight equipment pre- and post-flight actions AVIW0026 Conduct night vision imaging system operations AVIW0027 Deliver pyrotechnics and handheld stores AVIW0028 Operate and manage remote pilot aircraft systems AVIW0029 Manage pre- and post-flight actions AVIW0030 Manage aircraft sensor systems AVIW0031 Supervise aircraft refuelling AVIW0032 Operate and manage aircraft systems AVIW0033 Coordinate the removal of disabled aircraft AVIW0034 Perform non-pilot cockpit duties AVIY0007 Conduct aerial application operations AVIY0023 Launch, control and recover a remotely piloted aircraft AVIY0024 Operate remote pilot airship AVIY0025 Operate powerlift and tilt rotor remote pilot aircraft systems AVIY0026 Conduct aerial application operations using remote pilot aircraft systems AVIY0027 Operate multi-rotor remote pilot aircraft systems AVIY0029 Operate rotary wing remote pilot aircraft systems AVIY0030 Operate fixed wing remote pilot aircraft systems AVIY0031 Apply the principles of air law to remote pilot aircraft systems operations AVIY0032 Apply RPAS payload and configuration management principles AVIY0033 Operate aircraft using aircraft flight instruments AVIY0034 Operate in controlled airspace AVIY0035 Operate in Class G airspace AVIY0036 Operate at non-towered aerodromes AVIY0037 Operate at a controlled aerodrome AVIY0038 Operate aeroplane at low level AVIY0039 Apply aeronautical knowledge to aviation operations AVIY0041 Apply the principles of civil air law to aviation operations AVIY0042 Apply aeronautical knowledge and civil air law to flight dispatch operations AVIY0043 Monitor flight performance

Release Number	Release Date	Comments
		AVIY0044 Conduct a 2D instrument approach AVIY0045 Conduct a 3D instrument approach AVIY0046 Execute advanced aeroplane manoeuvres and procedures AVIY0047 Manage abnormal aeroplane flight situations AVIY0048 Taxi helicopter AVIY0049 Operate helicopter at low level AVIY0050 Perform instrument arrival and standard arrival route procedures AVIY0051 Conduct helicopter landing site and unprepared helicopter landing site operations AVIY0052 Control remote pilot aircraft systems on the ground AVIY0053 Manage remote pilot aircraft systems energy source requirements AVIY0054 Control aeroplane on the ground AVIY0055 Take off aeroplane AVIY0056 Control aeroplane in normal flight AVIY0057 Land aeroplane AVIY0058 Manage aircraft fuel AVIY0059 Control helicopter on the ground AVIY0060 Control helicopter in hovering flight AVIY0061 Take off helicopter and approach to hover AVIY0062 Control helicopter in normal flight AVIY0063 Execute advanced helicopter manoeuvres and procedures AVIY0064 Manage abnormal and emergency helicopter flight situations AVIY0065 Conduct external load-lift operations AVIY0066 Conduct hoisting operations AVIY0067 Conduct airborne extraction operations AVIY0068 Conduct airborne rappelling operations AVIY0069 Pilot a helicopter during external load operations AVIY0070 Pilot a helicopter during rappelling operations AVIY0071 Pilot a helicopter during hoisting operations AVIY0072 Operate a multi-engine aeroplane AVIY0073 Operate aircraft in the traffic pattern at night AVIY0074 Perform non-published instrument departure procedures AVIY0075 Perform published instrument departure procedures AVIY0076 Perform visual circling approach

Release Number	Release Date	Comments
		AVIY0077 Conduct a 2D non-directional beacon instrument approach AVIY0078 Conduct a 2D very high frequency omni-directional radio range instrument approach AVIY0079 Conduct a 3D instrument landing system instrument approach AVIY0080 Conduct a 2D distance measuring equipment global navigation satellite system instrument approach AVIY0081 Conduct a 2D global navigation satellite system non-precision instrument approach AVIY0082 Operate a multi-engine helicopter AVIZ0003 Maintain basic situational awareness in an aviation workplace AVIZ0005 Apply situational awareness in remote pilot aircraft systems operations AVIZ0006 Manage situational awareness in aircraft flight AVIZ0022 Maintain and manage situational awareness as pilot in command AVIZ004 Maintain security awareness and vigilance in an aviation workplace Training Products Deleted AVIF3023 Apply regulations and policies during remote pilot aircraft systems operations AVIK3002 Use infotechnology devices in an aviation workplace AVIM5003 Conduct flight training AVIY3075 Control remote pilot aircraft systems in normal flight AVIY3076 Recover remote pilot aircraft systems AVIY3077 Manage remote pilot aircraft systems in abnormal flight situations Training Product Maintenance (45) AVISS00031 Aerobatic Pilot Skill Set AVISS00032 Airborne Rappelling Skill Set AVISS00033 Airborne Rappelling Supervisor Skill Set AVISS00034 Airborne Recovery Skill Set AVISS00035 Aircraft Underwater Escape Skill Set AVISS00036 Aviation Operator Skill Set AVISS00037 Cabin Crew Supervisor Skill Set AVISS00038 Emergency Breathing System Skill Set AVISS00039 External Load Pilot Skill Set

Release Number	Release Date	Comments
		AVISS00042 Helicopter Wireman Skill Set AVISS00043 Cargo Hold Baggage Handler Skill Set AVISS00045 Night Vision Imaging System Skill Set AVISS00046 Night Visual Flight Rules Pilot Skill Set AVISS00047 Notice to Airmen Skill Set AVISS00048 Rappelling and Hoisting Pilot Skill Set AVISS00049 Simulator Operator Skill Set AVISS00050 Simulator Operator/Trainer Skill Set AVISS00051 Simulator Trainer Skill Set AVISS00052 Use and Maintain Minor Mechanical Equipment Skill Set AVISS00053 Aerodrome Reporting Officer Skill Set AVISS00054 Aerodrome Works Safety Officer working with a Method of Works Plan Skill Set AVISS00055 Aerodrome Works Safety Officer working on Time Limited Works Skill Set AVISS00056 Maintain Security Awareness and Vigilance in the Aviation Workplace Skill Set AVISS00057 Remotely Piloted Aircraft Systems Observer Skill Set AVISS00058 Aeromedical Operator Skill Set AVISS00059 Baggage Handler Skill Set AVISS00060 Dangerous Goods Pack and Accept Skill Set AVISS00061 Aviation Shift Supervisor Skill Set AVISS00062 Flight Dispatcher Skill Set AVISS00063 Multi-Crew Operations Pilot Skill Set AVISS00064 Aeroplane Maintenance Test Pilot Skill Set AVISS00065 Helicopter Maintenance Pilot Skill Set AVISS00066 Single Engine Helicopter Pilot Skill Set AVISS00067 Multi-Engine Helicopter Pilot Skill Set AVISS00068 Single Engine Aeroplane Pilot Skill Set AVISS00069 Multi-Engine Aeroplane Pilot Skill Set AVISS00070 Flight Examiner Pilot Skill Set AVISS00071 Aviation Risk Management Skill Set AVISS00072 Aviation Safety Management Skill Set AVISS00073 Aerodrome Reporting Supervisor Skill Set AVISS00074 Aeronautical Radio Operator Skill Set
4.0	31 January 2019	New or Reviewed Qualification (1) AVI20118 Certificate II in Transport Security Protection

Release Number	Release Date	Comments
		New or Reviewed Units of Competency (15) AVIF0015 Apply awareness of dangerous goods and hazardous substances in the transport security environment AVIG0001 Work effectively in a transport security environment AVIO0003 Apply electronic metal detection AVIO0004 Conduct frisk search of persons AVIO0005 Conduct screening using explosive trace detection AVIO0006 Conduct vehicle search for access to security sensitive areas AVIO0007 Control access to and exit from a security sensitive area AVIO0008 Establish and maintain a sterile sensitive area AVIO0009 Identify and handle weapons, explosives and prohibited items AVIO0010 Identify powders, liquids, aerosols and gels (PLAGs) AVIO0011 Manage disruptive behaviour and unlawful interference within a transport security environment AVIO0012 Manage the flow of items for screening by X-ray screening equipment AVIO0013 Operate body scanner AVIO0014 Screen articles by interpreting X-ray images AVIO0015 Undertake physical search of cargo and articles New or Reviewed Skill Sets (4) AVISS00075 Air Cargo Screening Officer Skill Set AVISS00076 Domestic Airport Screening Officer Skill Set AVISS00077 International Airport Screening Officer Skill Set AVISS00078 Maritime Screening Officer Skill Set Training Product Maintenance (4) AVI40216 Certificate IV in Aviation (Aviation Supervision) AVI50115 Diploma of Aviation (Air Traffic Control) AVI50616 Diploma of Aviation (Aviation Management) AVISS00073 Aerodrome Reporting Supervisor Skill Set Training Products Deleted (6) AVIF2024 Conduct housekeeping activities AVIK2001 Use computers in the aviation screening workplace AVIL2005 Complete routine administrative tasks

Release Number	Release Date	Comments
		AVIL2006 Promote effective workplace practice AVIO2010 Screen articles to enter an airside security zone or landside security zone AVIO2011 Screen people to enter an airside security zone or landside security zone
3.0	1 March 2016	New or Reviewed Qualifications (17) AVI10116 Certificate I in Aviation (Foundation Skills) AVI20116 Certificate II in Aviation (Flight Operations-Cargo Services) AVI20216 Certificate II in Aviation (Ground Operations and Service) AVI20316 Certificate II in Aviation Transport Protection (Passenger and Non-Passenger Screener) AVI20416 Certificate II in Aviation Transport Protection (Checked Baggage Screener) AVI30116 Certificate III in Aviation (Cabin Crew) AVI30216 Certificate III in Aviation (Rescue Crewman) AVI30316 Certificate III in Aviation (Remote Pilot - Visual Line of Sight) AVI30416 Certificate III in Aviation (Ground Operations and Service) AVI30516 Certificate III in Aviation (Aerodrome Operations) AVI40116 Certificate IV in Aviation (Aircrewman) AVI40216 Certificate IV in Aviation (Aviation Supervision) AVI40316 Certificate IV in Aviation (Flight Operations Supervision) AVI50516 Diploma of Aviation (Flight Instructor) AVI50616 Diploma of Aviation (Aviation Management) AVI60116 Advanced Diploma of Aviation (Chief Flight Instructor) AVI60216 Advanced Diploma of Aviation (Pilot in Command) New or Reviewed Units of Competency (140) AVIB3004 Manage and carry out pre- and post-flight cabin checks AVIB3005 Inspect and report on aerodrome serviceability AVIB3006 Inspect and report on serviceability of aerodrome lighting systems AVIB3007 Inspect and report on obstacle limitation surfaces AVIC2001 Drive on the airside AVIC4002 Administer airside driving AVID0001 Package dangerous goods for air transport AVID0002 Conduct baggage handling operations

Release Number	Release Date	Comments
		AVID2001 Accept dangerous goods for air transport AVID2003 Prepare freight for flight AVID2004 Conduct aviation freight weighing operations AVID2005 Accept freight for air transport AVID2006 Load and secure aviation freight and baggage AVID2007 Unload aviation freight and baggage AVIE0001 Operate aeronautical radio AVIE2005 Conduct radio procedures in an aviation operational environment AVIE3003 Complete a Notice to Airmen AVIF0002 Provide first aid in an aviation environment AVIF0003 Manage human factors in flight dispatch operations AVIF0009 Manage threats and errors as pilot in command AVIF0010 Manage human factors as pilot in command AVIF0012 Apply aviation work health and safety procedures AVIF0013 Manage human factors in remote pilot aircraft systems operations AVIF2007 Implement regulations and policies during check-in procedures AVIF2010 Implement regulations and policies during aviation safety and service operations AVIF2012 Monitor the transfer of hazardous materials AVIF2015 Utilise emergency breathing system AVIF2019 Work in aircraft confined spaces AVIF2020 Employ fatigue risk management practices in an aviation workplace AVIF2024 Conduct housekeeping activities AVIF3005 Maintain the safety of people and aircraft AVIF3006 Respond to abnormal and emergency situations in an aircraft AVIF3012 Apply relevant laws and regulations to the operation of an aerodrome AVIF3016 Marshal aircraft AVIF3023 Apply regulations and policies during remote pilot aircraft systems operations AVIF3025 Facilitate the safety of aerodrome works and works site access AVIF3026 Facilitate an aerodrome emergency response AVIF4008 Supervise cabin safety and security AVIG2002 Work effectively in the aviation industry

Release Number	Release Date	Comments
		AVIG2003 Work in a socially diverse environment AVIH0001 Manage aircraft flight planning and performance as pilot in command AVIH0003 Manage aircraft performance and load AVIH0004 Implement instrument flight rules planning procedures AVIH3019 Navigate remote pilot aircraft systems AVII0001 Advise on major services and attractions at aviation destinations AVII0002 Provide quality customer service AVII2001 Provide customer service on an aircraft AVII2003 Carry out beverage service on an aircraft AVII2004 Provide advice about cuisine on an aircraft AVII2006 Conduct in-flight retailing AVII2007 Check in aircraft passengers AVII2008 Provide assistance to transit and arriving passengers AVII3002 Carry out food preparation and service on an aircraft AVII3005 Apply knowledge of the structure, products and services of an airline operator AVII3010 Carry out aircraft business and first class meal and non-alcoholic beverage service AVII4013 Supervise cabin operations AVII4015 Monitor and enhance customer service excellence AVIJ2001 Contribute to the achievement of on-time performance standards AVIJ4002 Conduct quality control operations related to refuelling and defuelling aircraft AVIK2001 Use computers in the aviation screening workplace AVIK3002 Use infotechnology devices in an aviation workplace AVIL0001 Manage shifts, crewing and rostering activities in aviation AVIL2001 Manage a check-in queue AVIL2005 Complete routine administrative tasks AVIL2006 Promote effective workplace practice AVIL3002 Complete aircraft dispatch duties AVIL3003 Plan an aircraft load AVIL3004 Assess pavement concessions AVIM0001 Conduct a flight test AVIM0002 Plan and conduct multi-crew cooperation training AVIM5001 Operate a simulator AVIM5002 Conduct aeronautical knowledge training

Release Number	Release Date	Comments
		AVIM5003 Conduct flight training AVIM5004 Facilitate training in a synthetic environment AVIM5005 Conduct training for the issue of an endorsement AVIM5008 Conduct flight review AVIM6006 Deliver operational flight management training AVIN6003 Manage flight training AVIO0001 Manage security procedures as pilot in command AVIO2001 Use firearms on an aerodrome to control wildlife hazards AVIO2004 Conduct frisk search of persons AVIO2005 Conduct screening using explosive trace detection AVIO2006 Control access to and exit from an airside security zone or landside security zone at an airport AVIO2007 Establish and maintain a sterile area at an airport AVIO2008 Manage the flow of items for screening by X-ray screening equipment AVIO2009 Screen articles by interpreting X-ray images AVIO2010 Screen articles to enter an airside security zone or landside security zone AVIO2011 Screen people to enter an airside security zone or landside security zone AVIO2013 Undertake emergency response action to a security threat AVIO2015 Apply and monitor aviation workplace security procedures AVIO3001 Monitor airside access and airside driving AVIO4003 Implement airside access AVIP2001 Capture records into a records keeping system AVIR3001 Service customer airline contracts AVIW2002 Operate an aerobridge AVIW2010 Operate baggage tug AVIW2029 Operate aircraft refuelling nozzle AVIW2030 Be airborne extracted by suspended rope AVIW2031 Be airborne extracted using suspended extraction equipment AVIW2032 Fast rope from a helicopter AVIW2033 Rappel from a helicopter AVIW3003 Operate aircraft embarkation and disembarkation equipment AVIW3004 Operate ramp equipment

Release Number	Release Date	Comments
		AVIW3005 Operate aircraft push-out tug AVIW3006 Refuel aircraft AVIW3011 Defuel aircraft AVIW3021 Coordinate aircraft ground operations AVIW3023 Implement wildlife hazard control measures AVIW3024 Perform wireman duties AVIW3025 Complete aircraft and flight equipment pre- and post-flight actions AVIW3027 Deliver pyrotechnics and handheld stores AVIW3037 Manage remote pilot aircraft systems pre- and post-flight actions AVIW3038 Operate and manage remote pilot aircraft systems AVIW4028 Manage aircraft sensor systems AVIW4034 Supervise aircraft refuelling AVIW5022 Coordinate the removal of disabled aircraft AVIY0010 Apply aeronautical knowledge and civil air law to flight dispatch operations AVIY0011 Conduct maintenance test flight activities AVIY0012 Monitor flight performance AVIY0015 Perform an aerobatic sequence AVIY0016 Lead formation flight AVIY0017 Control aircraft in advanced flight manoeuvres AVIY3052 Conduct helicopter landing site and unprepared helicopter landing site operations AVIY3073 Control remote pilot aircraft systems on the ground AVIY3074 Launch remote pilot aircraft systems AVIY3075 Control remote pilot aircraft systems in normal flight AVIY3076 Recover remote pilot aircraft systems AVIY3077 Manage remote pilot aircraft systems in abnormal flight situations AVIY3078 Manage remote pilot aircraft systems energy source requirements AVIY4051 Conduct external load-lift operations AVIY4053 Perform aircrewman cockpit duties AVIY4054 Conduct hoisting operations AVIY4055 Conduct airborne extraction operations AVIY4056 Conduct airborne rappelling operations AVIY4057 Perform helicopter deck landing operations AVIY4061 Perform aerobatic manoeuvres

Release Number	Release Date	Comments
		AVIY4063 Perform close formation flight AVIZ1005 Maintain basic situational awareness in an aviation workplace AVIZ2050 Maintain security awareness and vigilance in an aviation workplace AVIZ3052 Apply situational awareness in remote pilot aircraft systems operations New or Reviewed Skill Sets (41) AVISS00031 Aerobatic Pilot Skill Set AVISS00032 Airborne Rappelling Skill Set AVISS00033 Airborne Rappelling Supervisor Skill Set AVISS00034 Airborne Recovery Skill Set AVISS00035 Aircraft Underwater Escape Skill Set AVISS00036 Aviation Operator Skill Set AVISS00037 Cabin Crew Supervisor Skill Set AVISS00038 Emergency Breathing System Skill Set AVISS00039 External Load Pilot Skill Set AVISS00040 Formation Pilot Skill Set AVISS00041 Handle Dangerous Goods/Hazardous Substances Skill Set AVISS00042 Helicopter Wireman Skill Set AVISS00043 Cargo Hold Baggage Handler Skill Set AVISS00044 Marine Transfer Pilot Skill Set AVISS00045 Night Vision Imaging System Skill Set AVISS00046 Night Visual Flight Rules Pilot Skill Set AVISS00047 Notice to Airmen Skill Set AVISS00048 Rappelling and Hoisting Pilot Skill Set AVISS00049 Simulator Operator Skill Set AVISS00050 Simulator Operator/Trainer Skill Set AVISS00051 Simulator Trainer Skill Set AVISS00052 Use and Maintain Minor Mechanical Equipment Skill Set AVISS00053 Aerodrome Reporting Officer Skill Set AVISS00054 Aerodrome Works Safety Officer working with a Method of Works Plan Skill Set AVISS00055 Aerodrome Works Safety Officer working on Time Limited Works Skill Set AVISS00056 Maintain Security Awareness and Vigilance in the Aviation Workplace Skill Set

Release Number	Release Date	Comments
		AVISS00057 Remotely Piloted Aircraft Systems Observer Skill Set AVISS00058 Aeromedical Operator Skill Set AVISS00059 Baggage Handler Skill Set AVISS00060 Dangerous Goods Pack and Accept Skill Set AVISS00061 Aviation Shift Supervisor Skill Set AVISS00062 Flight Dispatcher Skill Set AVISS00064 Aeroplane Maintenance Test Pilot Skill Set AVISS00065 Helicopter Maintenance Test Pilot Skill Set AVISS00066 Single Engine Helicopter Pilot Skill Set AVISS00067 Multi-Engine Helicopter Pilot Skill Set AVISS00068 Single Engine Aeroplane Pilot Skill Set AVISS00069 Multi-Engine Aeroplane Pilot Skill Set AVISS00070 Flight Examiner Pilot Skill Set AVISS00073 Aerodrome Reporting Officer Supervisor Skill Set AVISS00074 Aeronautical Radio Operator Skill Set Training Product Maintenance (13) AVI50115 Diploma of Aviation (Air Traffic Control) AVIE5002 Apply air traffic control communication procedures and services AVIF0004 Implement aviation risk management processes AVIF0005 Implement aviation fatigue risk management processes AVIF0006 Manage aviation risk AVIF5003 Manage human performance and team resources during air traffic control operations AVIF5013 Provide search and rescue alerting and emergency response AVIW5013 Operate air traffic control equipment and workstations AVIY5022 Coordinate the removal of disabled aircraft AVIY5048 Provide approach control services AVIY5049 Provide area control services AVIY5050 Provide aerodrome control services AVIZ5049 Manage situational awareness in the air traffic control environment
2.0	6 December 2015	New or Reviewed Qualifications (3) AVI50215 Diploma of Aviation (Commercial Pilot Licence – Aeroplane) AVI50315 Diploma of Aviation (Commercial Pilot Licence – Helicopter)

Release Number	Release Date	Comments
		AVI50415 Diploma of Aviation (Instrument Rating) New or Reviewed Units of Competency (64) AVIE4001 Maintain aircraft radio communications AVIF0001 Apply aircraft safety procedures AVIF0007 Implement threat and error management strategies AVIF0008 Manage safe flight operations AVIF0011 Manage aircraft passengers and cargo AVIF0014 Manage human factors in aviation operations AVIF2014 Undertake aircraft underwater escape and survival AVIH0002 Plan a flight under visual flight rules AVIH0005 Plan a flight under instrument flight rules AVIH4001 Navigate aircraft under visual flight rules AVIH4012 Plan a flight under night visual flight rules AVIH4013 Navigate aircraft under night visual flight rules AVIH5017 Navigate aircraft under instrument flight rules AVILIC0001 Licence to operate a commercial aeroplane AVILIC0002 Licence to operate a commercial helicopter AVIN0001 Command an aircraft in a multi-crew environment AVIN0002 Supervise and manage safe flight operations as pilot in command AVIO0002 Manage disruptive behaviour and unlawful interference with aviation AVIW3026 Conduct night vision imaging system operations AVIW4001 Manage pre- and post-flight actions AVIW5018 Operate and manage aircraft systems AVIY0001 Operate aircraft using aircraft flight instruments AVIY0002 Operate in controlled airspace AVIY0003 Operate in Class G airspace AVIY0004 Operate at non-towered aerodromes AVIY0005 Operate at a controlled aerodrome AVIY0006 Operate aeroplane at low level AVIY0007 Conduct aerial application operations AVIY0008 Apply aeronautical knowledge to aviation operations AVIY0009 Apply the principles of civil air law to aviation operations AVIY0013 Conduct a 2D instrument approach AVIY0014 Conduct a 3D instrument approach AVIY0018 Execute advanced aeroplane manoeuvres and procedures

Release Number	Release Date	Comments
		AVIY0019 Manage abnormal aeroplane flight situations AVIY0020 Taxi helicopter AVIY0021 Operate helicopter at low level AVIY0022 Perform instrument arrival and standard arrival route procedures AVIY4001 Control aeroplane on the ground AVIY4002 Take off aeroplane AVIY4003 Control aeroplane in normal flight AVIY4004 Land aeroplane AVIY4007 Manage aircraft fuel AVIY4011 Control helicopter on the ground AVIY4012 Control helicopter in hovering flight AVIY4014 Take off helicopter and approach to hover AVIY4015 Control helicopter in normal flight AVIY4017 Execute advanced helicopter manoeuvres and procedures AVIY4018 Manage abnormal and emergency helicopter flight situations AVIY4058 Pilot a helicopter during external load operations AVIY4059 Pilot a helicopter during rappelling operations AVIY4060 Pilot a helicopter during hoisting operations AVIY5023 Operate a multi-engine aeroplane AVIY5024 Operate aircraft in the traffic pattern at night AVIY5027 Perform non published instrument departure procedures AVIY5028 Perform published instrument departure procedures AVIY5033 Perform visual circling approach AVIY5034 Conduct a 2D non-directional beacon instrument approach AVIY5035 Conduct a 2D very high frequency omni-directional radio range instrument approach AVIY5036 Conduct a 3D instrument landing system instrument approach AVIY5037 Conduct a 2D distance measuring equipment global navigation satellite system instrument approach AVIY5038 Conduct a 2D global navigation satellite system non-precision instrument approach AVIY5065 Operate a multi-engine helicopter AVIZ0001 Maintain and manage situational awareness as pilot in command AVIZ4001 Manage situational awareness in aircraft flight

Release Number	Release Date	Comments
		New or Reviewed Skill Sets (1) AVISS00063 Multi-Crew Operations Pilot Skill Set
1.0	4 September 2015	New or Reviewed Qualification (1) AVI50115 Diploma of Aviation (Air Traffic Control) New or Reviewed Units of Competency (12) AVIE5002 Apply air traffic control communication procedures and services AVIF0004 Implement aviation risk management processes AVIF0005 Implement aviation fatigue risk management processes AVIF0006 Manage aviation risk AVIF5003 Manage human performance and team resources during air traffic control operations AVIF5013 Provide search and rescue alerting and emergency response AVIW5013 Operate air traffic control equipment and workstations AVIY5022 Manage traffic flow AVIY5048 Provide approach control services AVIY5049 Provide area control services AVIY5050 Provide aerodrome control services AVIZ5049 Manage situational awareness in the air traffic control environment New or Reviewed Skill Sets (2) AVISS00071 Aviation Risk Management Skill Set AVISS00072 Aviation Safety Management Skill Set

Training Packages, the Australian Qualifications Framework (AQF) and competency standards

Training Packages

Training Packages:

- specify the knowledge and skills required by individuals to perform effectively in the workplace, which are expressed in units of competency
- detail how units of competency are packaged into nationally recognised and portable qualifications that comply with the Australian Qualifications Framework (AQF)
- prescribe assessment requirements, but they do not prescribe how an individual should be trained
- specify the qualifications determined by industry groups and when required, by regulatory requirements to be most relevant for employment within the industry
- are used for a number of purposes, but they are predominantly used:
 - by RTOs, to design training curriculum tailored to support individual learner needs, and the needs of employers and industry
 - by employers, to assist with workforce design, development and structure
- are developed by the relevant national JSC in consultation with a range of stakeholders
- are recommended to Training Package Assurance Body (a body nominated by Skills Ministers), to assess draft training products against the Training Package Organising Framework and make recommendations to Skills Ministers about the endorsement of proposed training products
- enable nationally recognised qualifications to be awarded through direct assessment of workplace competencies
- encourage the development and delivery of flexible training to suit individual needs and industry requirements
- support learning, training and assessment in a work-related environment, leading to verifiable workplace outcomes.

The title of each endorsed Training Package is unique and relates to the broad industry coverage of the Training Package.

Each Training Package has a unique national code assigned when the Training Package is endorsed, for example AVI.

Training and assessment using Training Packages must be conducted by a Registered Training Organisation (RTO) that has the qualification/s or specific Unit/s of Competency on its Scope of Registration.

New Standards for Registered Training Organisations (RTOs) are expected to come into effect during 2024, with the current Standards for RTOs 2015 available on the [Australian Government ComLaw website](https://www.comlaw.gov.au/australian-government-comlaw-website).

Information about these standards can be found at the:

- <https://www.dewr.gov.au/training-package-assurance> website

- [Australian Skills Quality Authority](#) website

Standards for Training Packages ('the Standards') setting the overarching design and development requirements of training products for endorsement by Skills Ministers.

Training Package Products Policy (TPPP) outlining the design rules that must be adhered to when developing or modifying a training product.

Training Package Products Development and Endorsement Process Policy (TPPDEPP) outlining the process for developing and seeking the endorsement of training products.

Information about these current standards, including applicable templates, can be found at the Department of Employment and Workplace Relations website (<https://www.dewr.gov.au/resources/skills-support-individuals>).

These templates describe mandatory and optional information that applies to Units of Competency, assessment requirements and qualifications.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) provides a comprehensive, nationally consistent framework for all qualifications in post-compulsory education and training in Australia. In the Vocational Education and Training (VET) sector the AQF enables national recognition of qualifications and Statements of Attainment.

The AVI Aviation Training Package Release 12.0 provides details of the Units of Competency that must be achieved to award AQF qualifications.

The rules around which Units of Competency can be combined to make up a valid AQF qualification are referred to as the packaging rules. The packaging rules must be followed to ensure the integrity of nationally recognised qualifications issued.

The packaging rules are defined within each qualification in a Training Package.

Competency Standards

The broad concept of industry competency is the ability to perform particular tasks and duties to the standard of performance expected in the workplace. Competency standards cover all aspects of workplace performance and involve:

- performing individual tasks
- managing a range of different tasks
- responding to contingencies or breakdowns
- dealing with the responsibilities of the workplace, including working with others.

Workplace competency is the ability to apply relevant skills and knowledge consistently over time and in the required workplace situations and environments.

Competency standards are determined by industry to meet industry skill needs and focus on what is expected of a competent individual in the workplace.

Summary of the AVI Aviation Training Package

The AVI Aviation Training Package Release 12.0 comprises:

- *Twenty (20) qualifications*
- *Two hundred and twenty (220) Units of Competency and associated assessment requirements*
- *Thirty-four (34) Skill Sets*

Australian Qualifications Framework qualifications, Skills Sets and Units of Competency in the AVI Aviation Training Package

Qualifications

The AVI Aviation Training Package provides details of the Units of Competency that must be achieved to award AQF qualifications.

The rules around which Units of Competency can be combined to make up a valid AQF qualification are referred to as the packaging rules. The packaging rules must be followed to ensure the integrity of nationally recognised qualifications issued.

Codes and titles

There are mandatory conventions specified in the Standards for Training Packages for the titles and codes used in Training Packages and their components.

QUALIFICATION CODE MANDATORY FIELD	The qualification code contains the three alpha characters identifying the Training Package, a numeric character identifying the AQF level, a two numeric character sequence identifier, and two numeric characters identifying the year the qualification was endorsed. It must comply with the length specified in the AVETMIS Standard.
QUALIFICATION TITLE MANDATORY FIELD	A unique title that reflects the qualification outcome. It must comply with the length specified in the AVETMIS Standard (no more than 100 characters).

Extract from the [Standards for Training Packages](#).

Extract from the [Training Package Products Policy](#).

The title of each endorsed Training Package qualification is unique. Qualification titles use the following sequence:

- First, the qualification is identified as either Certificate I, Certificate II, Certificate III, Certificate IV, Diploma, Advanced Diploma, Graduate Certificate, or Graduate Diploma
- This is followed by the words 'in' for Certificates I to IV and Graduate Certificate, and 'of' for Diploma, Advanced Diploma and Graduate Diploma
- Then, the industry descriptor, for example Warehousing

- Then, if applicable, the occupational or functional stream in brackets, for example (Track Work).

Each training package qualification must have a unique code that complies with AVETMISS and conforms to the following:

- training package identifier—three alpha characters
- AQF level identifier—single numeric character identifying the AQF level
- sequence identifier—two numeric characters identifying the sequence of that qualification at that qualification level in the training package
- version identifier—two numeric characters identifying the year in which the qualification was approved for implementation. For example: AVI20118 Certificate II in Transport Security Protection

AQF Qualifications in the AVI Aviation Training Package

The following AQF qualifications are in the AVI Aviation Training Package Release 12.0:

Code	Qualification Title
AQF 1	
AVI10119	Certificate I in Aviation (Foundation Skills)
AQF 2	
AVI20119	Certificate II in Aviation (Flight Operations-Cargo Services)
AVI20219	Certificate II in Aviation (Ground Operations and Service)
AVI20325	Certificate II in Transport Security Protection
AQF 3	
AVI30119	Certificate III in Aviation (Aerodrome Operations)
AVI30219	Certificate III in Aviation (Cabin Crew)
AVI30319	Certificate III in Aviation (Ground Operations and Service)
AVI30419	Certificate III in Aviation (Remote Pilot)
AVI30525	Certificate III in Airborne Operations
AQF 4	
AVI40122	Certificate IV in Aviation (Supervision)
AVI40225	Certificate IV in Airborne Operations
AVI40422	Certificate IV in Aviation (Remote Pilot-Beyond Visual Line of Sight)
AQF 5	
AVI50115	Diploma of Aviation (Air Traffic Control)
AVI50119	Diploma of Aviation (Aviation Management)
AVI50222	Diploma of Aviation (Commercial Pilot Licence - Aeroplane)

Code	Qualification Title
AVI50322	Diploma of Aviation (Commercial Pilot Licence - Helicopter)
AVI50419	Diploma of Aviation (Flight Instructor)
AVI50519	Diploma of Aviation (Instrument Rating)
AVI59922	Diploma of Aviation (Chief Remote Pilot)
AQF 6	
AVI60219	Advanced Diploma of Aviation (Pilot in Command)

Skill Sets

Codes

Skill Sets are single Units of Competency or combinations of Units of Competency from an endorsed Training Package/s that link to a licensing or regulatory requirement or a defined industry need.

Source: [Training Package Products Policy](#).

A Skill Set is awarded with the issuing of a Statement of Attainment (SoA).

Each Skill Set has a code that is automatically issued by www.training.gov.au (TGA) where the:

- First three characters identify the Training Package
- Next two characters indicate that it is a Skill Set
- Numbers identify the Skill Set's position in the sequence of Skill Sets.

For example: AVISS00037 Cabin Crew Supervisor Skill Set

Skill Sets in the AVI Aviation Training Package

The following Skill Sets are in the AVI Aviation Training Package Release 12.0:

Code	Title
AVISS00036	Aviation Operator Skill Set
AVISS00037	Cabin Crew Supervisor Skill Set
AVISS00039	External Load Pilot Skill Set
AVISS00040	Formation Pilot Skill Set
AVISS00041	Handle Dangerous Goods/Hazardous Substances Skill Set
AVISS00045	Night Vision Imaging System Skill Set
AVISS00046	Night Visual Flight Rules Pilot Skill Set
AVISS00047	Notice to Airmen Skill Set
AVISS00049	Simulator Operator Skill Set
AVISS00050	Simulator Operator/Trainer Skill Set
AVISS00051	Simulator Trainer Skill Set

Code	Title
AVISS00052	Use and Maintain Minor Mechanical Equipment Skill Set
AVISS00053	Aerodrome Reporting Officer Skill Set
AVISS00054	Aerodrome Works Safety Officer working with a Method of Works Plan Skill Set
AVISS00055	Aerodrome Works Safety Officer working on Time Limited Works Skill Set
AVISS00056	Maintain Security Awareness and Vigilance in the Aviation Workplace Skill Set
AVISS00061	Aviation Shift Supervisor Skill Set
AVISS00063	Multi-Crew Operations Pilot Skill Set
AVISS00068	Single Engine Aeroplane Pilot Skill Set
AVISS00069	Multi-Engine Aeroplane Pilot Skill Set
AVISS00071	Aviation Risk Management Skill Set
AVISS00072	Aviation Safety Management Skill Set
AVISS00074	Aeronautical Radio Operator Skill Set
AVISS00080	Remotely Piloted Aircraft Operations in Excluded Category Sub-2 kg Skill Set
AVISS00081	Air Cargo Transport Security Protection Skill Set
AVISS00082	Aviation Transport Security Protection Skill Set
AVISS00083	Maritime Transport Security Protection Skill Set
AVISS00084	Aerodrome Reporting Officer Supervisor Skill Set
AVISS00085	Airborne Rappelling Supervisor Skill Set
AVISS00086	Aircraft Underwater Escape Skill Set
AVISS00087	Emergency Breathing System Skill Set
AVISS00088	Helicopter Down the Wire Skill Set
AVISS00089	Aeromedical Operator Skill Set
AVISS00090	Remotely Piloted Aircraft Systems Observer Skill Set

Units of Competency

Codes and titles

Units of Competency are nationally agreed statements about the skills and knowledge required for effective performance in the workplace. They outline work outcomes as defined by regulatory requirements and agreed by industry.

As such, they identify the skills and knowledge (as outcomes) that contribute to the whole job function - they do not describe how to perform a particular role.

Each Unit of Competency covers a specific work activity, the range of conditions under which the activity is conducted and the foundation skills essential to performance.

The same Unit of Competency (i.e. specific work activity) can be relevant across a range of AQF qualification levels. It is important to check the packaging rules in qualifications to establish how Units of Competency can apply.

UNIT CODE MANDATORY FIELD	The unit code contains the three alpha characters identifying the Training Package, followed by alpha and/or numeric characters. It must comply with the length specified in the AVETMIS Standard (no more than 12 characters).
UNIT TITLE MANDATORY FIELD	The title concisely describes the unit outcome. It must comply with the length specified in the AVETMIS Standard (no more than 100 characters)

Extract from the [Standards for Training Packages](#).

Extract from the [Training Package Products Policy](#).

There are mandatory conventions specified in the Standards for Training Packages for the titles and codes used in Training Packages and their components.

The codes are assigned to Units of Competency when the Training Package is endorsed, or when new Units of Competency are added to an existing endorsed Training Package.

Each Unit of Competency has a specific character code where the:

- First three characters identify the Training Package, *for example: AVI*
- Next character/s indicates the competency field
- Numbers identify a unit's position in the sequence of the Unit of Competency field in the Training Package.

For example: AVIE0001 Operate aeronautical radio

Assessment Requirements

Each Unit of Competency has its own assessment requirements that identify the:

- Performance evidence
- Knowledge evidence
- Assessment conditions

TITLE MANDATORY FIELD	Assessment Requirements for [insert Unit of Competency Code and Title]
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The same code is used for the Unit of Competency and its associated assessment requirements.

Not for Public Access (NFPA)

The Not for Public Access (NFPA) classification should be used when the compromise of the confidentiality of information could be expected to cause limited damage to the national interest, organisations or individuals through impacts on national security, agency operations or industry sector operations.

Where a training product or associated materials are deemed confidential by a Jobs and Skills Council due to security or public safety risks appropriate controls will be put in place to protect sensitive, confidential and Not for Public Access products of the training package.

Content of the materials cannot be accessed via www.training.gov.au as access is limited to those Registered Training Organisations that have this unit on scope.

The Aviation Training Package contains one NFPA unit. This unit is currently only contained in the Certificate II in Transport Security Protection. Access to this unit is through the Department of Home Affairs by contacting the following email address: screening.policy@homeaffairs.gov.au.

Units of Competency in the AVI Aviation Training Package

The following Units of Competency are in the AVI Aviation Training Package Release 12.0:

Code	Title
AVIB0001	Manage and carry out pre- and post-flight cabin checks
AVIB0002	Inspect and report on aerodrome serviceability
AVIB0003	Inspect and report on serviceability of aerodrome lighting systems
AVIB0004	Inspect and report on obstacle limitation surfaces
AVIC0001	Drive on the airside
AVIC4002	Administer airside driving
AVID0004	Conduct baggage handling operations
AVID0005	Accept dangerous goods for air transport
AVID0006	Prepare freight for flight
AVID0007	Conduct aviation freight weighing operations
AVID0009	Load and secure aviation freight and baggage
AVIE0002	Maintain airspace interactions in remote pilot aircraft systems BVLOS operations
AVIE0003	Operate aeronautical radio
AVIE0004	Conduct radio procedures in an aviation operational environment
AVIE0005	Complete a Notice to Airmen (NOTAM)
AVIE0006	Maintain aircraft radio communications
AVIE5002	Apply air traffic control communication procedures and services
AVIF0016	Manage network data links

Code	Title
AVIF0017	Develop a risk management plan for beyond visual line of sight operations
AVIF0018	Manage risks with unmanned aerial systems (UAS) beyond visual line of sight (BVLOS)
AVIF0019	Implement complex human factors in remote pilot aircraft systems beyond visual line of sight (BVLOS)
AVIF0020	Manage human factors and situational awareness in an aviation operational environment
AVIF0022	Maintain work health and safety procedures in remote pilot aircraft systems
AVIF0023	Apply aircraft safety procedures
AVIF0024	Provide first aid in an aviation environment
AVIF0026	Implement aviation risk management processes
AVIF0027	Implement aviation fatigue risk management processes
AVIF0028	Manage aviation risk
AVIF0029	Implement threat and error management strategies
AVIF0030	Manage safe flight operations
AVIF0031	Manage threats and errors as pilot in command
AVIF0032	Manage human factors as pilot in command
AVIF0033	Manage aircraft passengers and cargo
AVIF0034	Apply aviation work health and safety procedures
AVIF0035	Manage human factors in aviation operations
AVIF0036	Implement regulations and policies during aviation safety and service operations
AVIF0037	Monitor the transfer of hazardous materials
AVIF0040	Employ fatigue risk management practices in an aviation workplace
AVIF0041	Maintain the safety of people and aircraft
AVIF0042	Respond to abnormal and emergency situations in an aircraft
AVIF0043	Apply relevant laws and regulations to the operation of an aerodrome
AVIF0044	Marshal aircraft
AVIF0045	Facilitate the safety of aerodrome works and works site access
AVIF0046	Facilitate an aerodrome emergency response
AVIF0047	Apply awareness of dangerous goods and hazardous substances in the transport security environment
AVIF0048	Undertake aircraft underwater escape and survival
AVIF0049	Utilise emergency breathing systems

Code	Title
AVIF0050	Manage human performance factors for remotely piloted aircraft
AVIF2007	Implement regulations and policies during check-in procedures
AVIF2019	Work in aircraft confined spaces
AVIF4008	Supervise cabin safety and security
AVIF5003	Manage human performance and team resources during air traffic control operations
AVIF5013	Provide search and rescue alerting and emergency response
AVIG0002	Lead a work team or group in a controlled environment
AVIG0003	Work effectively in the aviation industry
AVIG0004	Apply regulatory obligations
AVIG0005	Conduct aviation on-the-job training
AVIG0006	Work effectively in a transport security environment
AVIG2003	Work in a socially diverse environment
AVIH0009	Manage aircraft flight planning and performance as pilot in command
AVIH0010	Plan a flight under visual flight rules
AVIH0013	Plan a flight under instrument flight rules
AVIH0014	Navigate aircraft under visual flight rules
AVIH0015	Plan a flight under night visual flight rules
AVIH0016	Navigate aircraft under night visual flight rules
AVIH0017	Navigate aircraft under instrument flight rules
AVIH0018	Implement flight planning procedures
AVIH0019	Manage aircraft performance and load
AVIH0020	Operate remotely piloted aircraft systems in extended visual line of sight (EVLOS)
AVIH0021	Operate remotely piloted aircraft systems under night visual line of sight (NVLOS)
AVIH0022	Interpret airspace charts and aeronautical publications for remotely piloted aircraft systems
AVII0003	Advise on major services and attractions at aviation destinations
AVII0004	Provide quality customer service
AVII0005	Provide customer service on an aircraft
AVII0006	Carry out beverage service on an aircraft
AVII0007	Provide advice about cuisine on an aircraft

Code	Title
AVII0008	Conduct in-flight retailing
AVII0009	Check in aircraft passengers
AVII0010	Provide assistance to transit and arriving passengers
AVII0011	Carry out food preparation and service on an aircraft
AVII0012	Apply knowledge of the structure, products and services of an airline operator
AVII4013	Supervise cabin operations
AVII4015	Monitor and enhance customer service excellence
AVIJ0001	Contribute to the achievement of on-time performance standards
AVIJ0002	Conduct quality control operations related to refuelling and defuelling aircraft
AVIL0002	Manage shifts, crewing and rostering activities in aviation
AVIL0003	Manage a check-in queue
AVIL0004	Complete aircraft dispatch duties
AVIL0005	Plan an aircraft load
AVIL0006	Assess pavement concessions
AVILIC0003	Licence to operate a commercial aeroplane
AVILIC0004	Licence to operate a commercial helicopter
AVIM0003	Conduct aeronautical knowledge training and flight training
AVIM0004	Conduct training for the issue of an endorsement
AVIM0005	Facilitate non-technical skills instruction
AVIM0008	Operate a simulator
AVIM0009	Facilitate training in a synthetic environment
AVIM0010	Conduct flight review
AVIN0003	Command an aircraft in a multi-crew environment
AVIN0004	Supervise and manage safe flight operations as pilot in command
AVIN0006	Manage RPAS assets
AVIO0016	Manage security procedures as pilot in command
AVIO0017	Manage disruptive behaviour and unlawful interference with aviation
AVIO0018	Use firearms on an aerodrome to control wildlife hazards
AVIO0019	Apply and monitor aviation workplace security procedures
AVIO0020	Monitor airside access and airside driving
AVIO0022	Undertake response action to an emergency or security threat
AVIO0023	Coordinate response to security incidents and breaches

Code	Title
AVIO0024	Facilitate screening of people with special circumstances
AVIO0025	Interpret and implement transport security policies and procedures
AVIO0026	Manage aviation security screening equipment
AVIO0027	Apply electronic metal detection
AVIO0028	Conduct primary screening of persons
AVIO0029	Conduct screening using 3D CT X-ray scanning techniques
AVIO0030	Conduct screening using explosive trace detection equipment
AVIO0031	Conduct secondary screening of persons
AVIO0032	Conduct vehicle search for access to secure areas
AVIO0033	Establish secure areas and manage access control points
AVIO0034	Identify and manage weapons, explosives and prohibited items
AVIO0035	Identify powders, liquids, aerosols and gels (PLAGs)
AVIO0036	Manage disruptive behaviour and unlawful interference within a transport security environment
AVIO0037	Manage the flow of items for screening by X-ray screening equipment
AVIO0038	Screen articles by interpreting X-ray images
AVIO0039	Undertake physical search
AVIO4003	Implement airside access
AVIP0001	Manage RPAS applications, approvals and permissions
AVIP2001	Capture records into a records keeping system
AVIT0001	Apply the principles of air law to remotely piloted aircraft systems
AVIU0001	Apply basic meteorology for remotely piloted aircraft operations
AVIW0001	Operate and manage advanced remote pilot aircraft systems
AVIW0005	Determine meteorological factors for remote pilot aircraft operations
AVIW0007	Perform aerial mapping and modelling using remote piloted aircraft systems
AVIW0009	Conduct aerial delivery/retrieval operations using remote piloted aircraft systems
AVIW0011	Operate baggage tug
AVIW0012	Operate aircraft refuelling nozzle
AVIW0017	Operate aircraft embarkation and disembarkation equipment
AVIW0018	Operate ramp equipment
AVIW0020	Refuel aircraft
AVIW0022	Coordinate aircraft movements and storage

Code	Title
AVIW0023	Implement wildlife hazard control measures
AVIW0026	Conduct night vision imaging system operations
AVIW0029	Manage pre- and post-flight actions
AVIW0032	Operate and manage aircraft systems
AVIW0033	Coordinate the removal of disabled aircraft
AVIW0034	Perform non-pilot cockpit duties
AVIW0035	Manage multi-crew operations
AVIW0036	Complete aircraft and flight equipment pre- and post-flight actions
AVIW0037	Deliver pyrotechnics and handheld stores
AVIW0038	Manage aircraft sensor systems
AVIW0039	Perform down the wire duties
AVIW0040	Rappel from a helicopter
AVIW0041	Undertake helicopter aquatic rescue and recovery
AVIW0042	Apply remotely piloted aircraft operations and procedures
AVIW0043	Manage energy sources for remotely piloted aircraft systems
AVIW0044	Use automated flight management systems for remotely piloted aircraft
AVIW0045	Capture data for operations using remotely piloted aircraft systems
AVIW0046	Conduct aerial search using remotely piloted aircraft
AVIW5013	Operate air traffic control equipment and workstations
AVIY0016	Lead formation flight
AVIY0017	Control aircraft in advanced flight manoeuvres
AVIY0028	Operate remotely piloted aircraft in excluded category sub-2 kg operations
AVIY0033	Operate aircraft using aircraft flight instruments
AVIY0034	Operate in controlled airspace
AVIY0035	Operate in Class G airspace
AVIY0036	Operate at non-towered aerodromes
AVIY0037	Operate at a controlled aerodrome
AVIY0040	Apply aeronautical knowledge to aviation operations
AVIY0041	Apply the principles of civil air law to aviation operations
AVIY0044	Conduct a 2D instrument approach
AVIY0045	Conduct a 3D instrument approach
AVIY0047	Manage abnormal aeroplane flight situations

Code	Title
AVIY0050	Perform instrument arrival and standard arrival route procedures
AVIY0051	Conduct helicopter landing site and unprepared helicopter landing site operations
AVIY0054	Control aeroplane on the ground
AVIY0055	Take off aeroplane
AVIY0056	Control aeroplane in normal flight
AVIY0057	Land aeroplane
AVIY0058	Manage aircraft fuel
AVIY0072	Operate a multi-engine aeroplane
AVIY0073	Operate aircraft in the traffic pattern at night
AVIY0074	Perform non-published instrument departure procedures
AVIY0075	Perform published instrument departure procedures
AVIY0076	Perform visual circling approach
AVIY0077	Conduct a 2D non-directional beacon instrument approach
AVIY0078	Conduct a 2D very high frequency omni-directional radio range instrument approach
AVIY0079	Conduct a 3D instrument landing system instrument approach
AVIY0080	Conduct a 2D distance measuring equipment global navigation satellite system instrument approach
AVIY0081	Conduct a 2D global navigation satellite system non-precision instrument approach
AVIY0083	Execute advanced aeroplane manoeuvres and procedures
AVIY0084	Conduct helicopter pre-solo exercises
AVIY0085	Control helicopter during advanced manoeuvres
AVIY0086	Manage abnormal situations and emergencies – helicopter
AVIY0087	Operate helicopter at low level
AVIY0088	Operate helicopter on solo navigation flights
AVIY0089	Operate helicopter solo in the circuit area
AVIY0090	Pilot a helicopter during external load operations
AVIY0091	Apply aeronautical knowledge and civil air law to flight dispatch operations
AVIY0092	Conduct airborne extraction operations
AVIY0093	Conduct airborne rappelling operations
AVIY0094	Conduct external load-lift operations

Code	Title
AVIY0095	Conduct winching operations
AVIY0096	Apply basic aeronautical knowledge for remotely piloted aircraft systems
AVIY0097	Operate powered-lift remotely piloted aircraft systems
AVIY0098	Operate multirotor remotely piloted aircraft systems
AVIY0099	Operate fixed wing remotely piloted aircraft systems
AVIY0100	Conduct aerial application operations using remotely piloted aircraft systems
AVIY0101	Apply payload and configuration management principles for remotely piloted aircraft systems
AVIY0102	Launch, control and recover a specialised multirotor remotely piloted aircraft (7 – 25 kg)
AVIY4063	Perform close formation flight
AVIY5022	Manage traffic flow
AVIY5048	Provide approach control services
AVIY5049	Provide area control services
AVIY5050	Provide aerodrome control services
AVIZ0002	Maintain and manage situational awareness as pilot in command
AVIZ0003	Maintain basic situational awareness in an aviation workplace
AVIZ0004	Maintain security awareness and vigilance in an aviation workplace
AVIZ0006	Manage situational awareness in aircraft flight
AVIZ5049	Manage situational awareness in the air traffic control environment

Qualification Mapping Information

The qualification mapping information maps the AVI Aviation Training Package qualifications to previous releases.

[Companion Volume Implementation Guide: Attachment A: Qualification mapping information](#)

Skill Sets Mapping Information

The Skills Set mapping information maps the AVI Aviation Training Package Skill Sets to previous releases. Specific pathway information for Skill Set's relationship with qualifications in the Training Package is included in Companion Volume Mapping Attachments A-C (Comments Column).

[Companion Volume Implementation Guide: Attachment B: Skill Sets mapping information](#)

Unit of Competency Mapping Information

The Unit of Competency mapping information maps the AVI Aviation Training Package Units of Competency to previous releases.

[Companion Volume Implementation Guide: Attachment C: Units of Competency mapping information](#)

Prerequisite Units of Competency

The following Units of Competency have prerequisite requirements identified by the symbol L :

Code	Title
AVIM0004	Conduct training for the issue of an endorsement L AVIM0003 Conduct aeronautical knowledge training and flight training
AVIY0016	Lead formation flight L AVIY4063 Perform close formation flight
AVIY0017	Control aircraft in advanced flight manoeuvres L AVIY0083 Execute advanced aeroplane manoeuvres and procedures

Imported Units and their Prerequisite Units

The AVI Aviation Training Package includes imported Units of Competency from other Training Packages.

Please check the relevant assessment requirements of the source Training Package by accessing the national training website www.training.gov.au (TGA) or a physical copy regarding any special conditions that may apply to the assessment of imported Units of Competency.

For up-to-date releases of the imported units, refer to www.training.gov.au or the respective JSC.

Where any of the Units of Competency listed below are used to form a qualification or Skill Set, they do not count as units imported under the qualification packaging rules:

- Up to X number of the general elective units may be selected from any relevant nationally endorsed Training Package or accredited course. The general elective units must contribute to the vocational outcomes of the qualification.

Where imported units are selected, care must be taken to ensure that all prerequisite units specified are complied with.

Code	Title
BSBADM502	Manage meetings
BSBAUD402	Participate in a quality audit

Code	Title
BSBAUD411	Participate in quality audits
BSBAUD501	Initiate a quality audit
BSBAUD512	Lead quality audits
BSBMM411	Make presentations
BSBFLM303	Contribute to effective workplace relationships
BSBFLM305	Support operational plan
BSBFLM306	Provide workplace information and resourcing plans
BSBFLM312	Contribute to team effectiveness
BSBHRM413	Support the learning and development of teams and individuals
BSBHRM415	Coordinate recruitment and onboarding
BSBHRM524	Coordinate workforce plan implementation
BSBHRM525	Manage recruitment and onboarding
BSBINS401	Analyse and present research information
BSBINS501	Implement information and knowledge management systems
BSBLDR301	Support effective workplace relationships
BSBLDR411	Demonstrate leadership in the workplace
BSBLDR414	Lead team effectiveness
BSBLDR502	Lead and manage effective workplace relationships
BSBLDR511	Develop and use emotional intelligence
BSBLDR522	Manage people performance
BSBLED401	Develop teams and individuals
BSBMGT517	Manage operational plan
BSBMKG434	Promote products and services
BSBMKG554	Plan and develop public relations publications
BSBOPS301	Maintain business resources
BSBOPS302	Identify business risk
BSBOPS304	Deliver and monitor a service to customers
BSBOPS305	Process customer complaints
BSBOPS402	Coordinate business operational plans
BSBOPS505	Manage organisational customer service
BSBPEF101	Plan and prepare for work readiness
BSBPEF201	Support personal wellbeing in the workplace

Code	Title
BSBPEF301	Organise personal work priorities
BSBPEF401	Manage personal health and wellbeing
BSBPEF501	Manage personal and professional development
BSBPMG421	Apply project time management techniques
BSBPMG634	Facilitate stakeholder engagement
BSBPRC502	Manage supplier relationships
BSBREL402	Build client relationships and business networks
BSBRES411	Analyse and present research information
BSBSTR502	Facilitate continuous improvement
BSBSTR802	Lead strategic planning processes for an organisation
BSBSUS211	Participate in sustainable work practices
BSBSUS511	Develop workplace policies and procedures for sustainability
BSBTWK201	Work effectively with others
BSBTWK401	Build and maintain business relationships
BSBTWK502	Manage team effectiveness
BSBWHS211	Contribute to the health and safety of self and others
BSBWHS411	Implement and monitor WHS policies, procedures and programs
BSBWHS521	Ensure a safe workplace for a work area
BSBWOR301	Organise personal work priorities and development
BSBWOR502	Lead and manage team effectiveness
BSBXTW301	Work in a team
CPPSEC4004	Supervise security operations
HLTAID010	Provide basic emergency life support
HLTAID011	Provide First Aid
HLTAID014	Provide Advanced First Aid
HLTAID015	Provide advanced resuscitation and oxygen therapy └ HLTAID011 Provide First Aid
ICTICT424	Address cyber security requirements
MEA118	Conduct self in the aviation maintenance environment
PSPGEN099	Undertake negotiations
PSPPCM011	Plan to manage a contract
PUAAMS001	Work in an aviation environment

Code	Title
PUAAMS002	Search as a member of an air search team
PUAAMS003	Conduct stores dropping operations
PUAAMS008	Manage search and rescue operations
PUACOM005	Foster a positive organisational image in the community └ PUATEA004 Work effectively in a public safety organisation
PUACOM007	Liaise with other organisations └ PUACOM005 Foster a positive organisational image in the community
PUAEMR019	Contribute to an emergency management process
PUAEMR032	Design emergency management exercises
PUAFIR009	Operate airborne intelligence system
PUAFIR015	Undertake helicopter winch operations
PUAFIR016	Undertake hover-exit operations from helicopter └ PUAFIR017 Work safely around aircraft
PUAFIR017	Work safely around aircraft
PUAOPE015	Conduct briefings and debriefings
SITHFAB021	Provide responsible service of alcohol
SITTTSL007	Process reservations
SITTTSL009	Process travel-related documentation
SITTTVL007	Use a computerised reservations or operations system
SITTTVL008	Source airfares and issue tickets for domestic flights
SITTTVL009	Construct international airfares
SITTTSL013	Construct promotional international airfares └ SITTTSL012 Construct normal international airfares
SITTTVL010	Construct advanced international airfares └ SITTTVL009 Construct international airfares
SITTTVL006	Book tourism products and process documentation
TAEASS301	Contribute to assessment
TAEASS401	Plan assessment activities and processes
TAEASS402	Assess competence
TAEASS403	Participate in assessment validation
TAEASS502	Design and develop assessment tools
TAEDEL301	Provide work skill instruction
TAEDEL401	Plan, organise and deliver group-based learning

Code	Title
TAEDEL402	Plan, organise and facilitate learning in the workplace
TAEDEL403	Coordinate and facilitate distance-based learning
TAEDEL404	Mentor in the workplace
TAEDEL501	Facilitate e-learning
TAEDS401	Design and develop learning programs
TAEDS402	Use training packages and accredited courses to meet client needs
TAELLN411	Address adult language, literacy and numeracy skills
TAELLN412	Access resources and support to address foundation skills in vocational practice
TAELLN413	Integrate foundation skills into vocational training delivery
TAETAS401	Maintain training and assessment information
TLIA0002	Prepare cargo for export
TLIA0003	Complete and check import/export documentation
TLIA0004	Complete receipt and despatch documentation
TLIA0013	Maintain container and freight records
TLIA0018	Transfer cargo
TLIA0020	Package goods
TLIA0022	Participate in stocktakes
TLIA0023	Receive goods
TLIA0024	Replenish stock
TLIA0026	Check and control records and documentation
TLIA0027	Consolidate freight
TLIA0029	Monitor temperature controlled stock
TLIA0030	Organise international transport of freight
TLIA0031	Organise transport of freight or goods
TLIA1001	Secure cargo
TLIA2014	Use product knowledge to complete work operations
TLIB0002	Carry out vehicle inspection
TLIB0003	Use and maintain minor mechanical equipment
TLIB2001	Check and assess operational capabilities of equipment
TLIB2003	Carry out vehicle servicing and maintenance
TLIB2008	Carry out inspection of trailers

Code	Title
TLIB2073	Clean road tankers
TLIB2119	Carry out maintenance of trailers
TLIC1051	Operate commercial vehicle
TLIC3003	Drive medium rigid vehicle
TLIC3004	Drive heavy rigid vehicle
TLIC3005	Drive heavy combination vehicle
TLIC3042	Operate coach/bus
TLIC3063	Operate vehicle carrying special loads
TLIC4006	Drive multi-combination vehicle
TLID0006	Move materials mechanically using automated equipment
TLID0014	Load and unload explosives/dangerous goods
TLID0016	Operate a forklift
TLID0020	Shift materials safely using manual handling methods
TLID0021	Store and handle dangerous goods and hazardous substances
TLID2003	Handle dangerous goods/hazardous substances
TLID2004	Load and unload goods/cargo
TLID2010	Operate a forklift
TLID3015	Identify and label explosives/dangerous goods
TLIE0002	Process workplace documentation
TLIE0003	Consolidate manifest documentation
TLIE0004	Maintain freight records
TLIE0007	Apply workplace statistics
TLIE0010	Identify, analyse and report workplace data and information
TLIE1003	Participate in basic workplace communication
TLIE2007	Use communications systems
TLIE0008	Calculate mass, area and quantify dimensions
TLIE3004	Prepare workplace documents
TLIF0012	Implement and coordinate accident-emergency procedures
TLIF0022	Conduct housekeeping activities
TLIF0024	Develop and maintain a safe workplace
TLIF2012	Apply safe procedures when handling/transporting dangerous goods or explosives

Code	Title
TLIF2018	Operate firefighting equipment
TLIF3091	Apply awareness of dangerous goods and hazardous material requirements
TLIF4064	Manage fatigue management policy and procedures
TLIG0001	Facilitate work teams
TLIG0002	Lead a work team
TLIG0003	Work effectively with others in a team
TLIG3002	Lead a work team or group
TLII0004	Provide assistance to customers
TLII1002	Apply customer service skills
TLII3020	Provide assistance to customers
TLII4001	Coordinate quality customer service
TLIJ2001	Apply quality procedures
TLIJ3002	Apply quality systems
TLIJ5007	Conduct internal quality audits
TLIK0003	Perform electronic data interchange to transmit documentation
TLIK2003	Apply keyboard skills
TLIK2010	Use infotechnology devices in the workplace
TLIL0005	Assess and confirm customer transport requirements
TLIL0011	Implement equal employment opportunity strategies
TLIL0012	Promote effective workplace practice
TLIL2008	Complete routine administrative tasks
TLIL2031	Monitor and process attendance records
TLIL0004	Apply conflict and grievance resolution strategies
TLIL4009	Manage personal work priorities and professional development
TLIO0001	Undertake emergency response action to a security threat
TLIO1002	Follow security procedures when working with passengers and personnel
TLIO0005	Provide revenue protection measures
TLIP0001	Sell products and services
TLIP0006	Develop plans to meet customer and organisation needs
TLIP0007	Facilitate and capitalise on change in the workplace
TLIP0009	Manage workplace information
TLIP2017	Maintain control of records

Code	Title
TLIP2018	Provide information from and about records
TLIP2024	Conduct financial transactions
TLIP2029	Prepare and process financial documents
TLIP0002	Advise on and construct fares for customers
TLIP5007	Contribute to the development of a workplace learning environment
TLIR0003	Monitor supplier performance
TLIR0004	Negotiate a contract
TLIR4002	Source goods/services and evaluate contractors
TLIU1009	Monitor plant and equipment in an environmentally sustainable manner
TLIU4001	Implement and monitor environmental protection policies and procedures
TLIU5006	Conduct environmental audits

Key Work and Training Requirements in the Industry

The aviation industry provides vital services to Australia, underpinning the operation of the national economy, enabling links to geographically isolated regions, providing tourism and helping Australian business continue to grow. People with an AVI Aviation Training Package qualification and/or skill set are well placed to work in the Aviation industry. The AVI Aviation Training Package provides the only nationally recognised VET qualifications for job roles involved in aerodrome operations, airport safety, ground operations, cargo services, customer service, aviation transport protection, aviation search and rescue, management and supervision, ATC, flight operations (pilots – aeroplane, helicopter, commercial, military, remote and pilot in command) and flight instruction.

Work in the Aviation Industry

The aviation industry includes job roles from entry level through to management in civilian and Defence operations.

The AVI Aviation Training Package includes 20 qualifications and 34 Skill Sets in the following areas:

Aviation Safety

- AVI20325 Certificate II in Transport Security Protection
- AVISS00071 Aviation Risk Management Skill Set
- AVISS00072 Aviation Safety Management Skill Set
- AVISS00081 Air Cargo Transport Security Protection Skill Set
- AVISS00082 Airport Transport Security Protection Skill Set
- AVISS00083 Maritime Transport Security Protection Skill Set

Ground Operations

- AVI10119 Certificate I in Aviation (Foundation Skills)
- AVI20219 Certificate II in Aviation (Ground Operations and Service)
- AVI30119 Certificate III in Aviation (Aerodrome Operations)
- AVI30319 Certificate III in Aviation (Ground Operations and Service)
- AVI30426 Certificate III in Aviation (Remote Pilot)
- AVI40122 Certificate IV in Aviation (Supervision)
- AVI40422 Certificate IV in Aviation (Remote Pilot-Beyond Visual Line of Sight)
- AVI50115 Diploma of Aviation (Air Traffic Control)
- AVI50119 Diploma of Aviation (Aviation Management)
- AVISS00036 Aviation Operator Skill Set
- AVISS00041 Handle Dangerous Goods/Hazardous Substances Skill Set
- AVISS00047 Notice to Airmen Skill Set
- AVISS00049 Simulator Operator Skill Set
- AVISS00050 Simulator Operator/Trainer Skill Set
- AVISS00051 Simulator Trainer Skill Set
- AVISS00052 Use and Maintain Minor Mechanical Equipment Skill Set
- AVISS00053 Aerodrome Reporting Officer Skill Set
- AVISS00054 Aerodrome Works Safety Officer working with a Method of Works Plan Skill Set
- AVISS00055 Aerodrome Works Safety Officer working on Time Limited Works Skill Set
- AVISS00056 Maintain Security Awareness and Vigilance in the Aviation Workplace Skill Set
- AVISS00057 Remotely Piloted Aircraft Systems Observer Skill Set
- AVISS00061 Aviation Shift Supervisor Skill Set
- AVISS00074 Aeronautical Radio Operator Skill Set
- AVISS00084 Aerodrome Reporting Officer Supervisor Skill Set
- AVISS00089 Aeromedical Operator Skill Set

Flight Operations

- AVI20119 Certificate II in Aviation (Flight Operations–Cargo Services)
- AVI30219 Certificate III in Aviation (Cabin Crew)
- AVI30525 Certificate III in Airborne Operations
- AVI40224 Certificate IV in Airborne Operations
- AVI50222 Diploma of Aviation (Commercial Pilot Licence – Aeroplane)
- AVI50322 Diploma of Aviation (Commercial Pilot Licence – Helicopter)
- AVI50419 Diploma of Aviation (Flight Instructor)
- AVI50519 Diploma of Aviation (Instrument Rating)
- AVI59922 Diploma of Aviation (Chief Remote Pilot)
- AVI60219 Advanced Diploma of Aviation (Pilot in Command)
- AVISS00037 Cabin Crew Supervisor Skill Set
- AVISS00039 External Load Pilot Skill Set
- AVISS00040 Formation Pilot Skill Set
- AVISS00045 Night Vision Imaging System Skill Set
- AVISS00046 Night Visual Flight Rules Pilot Skill Set
- AVISS00063 Multi-Crew Operations Pilot Skill Set
- AVISS00068 Single Engine Aeroplane Pilot Skill Set
- AVISS00069 Multi-Engine Aeroplane Pilot Skill Set
- AVISS00080 Remotely Piloted Aircraft Operations in Excluded Category Sub-2 kg Skill Set
- AVISS00085 Airborne Rappelling Supervisor Skill Set
- AVISS00086 Aircraft Underwater Escape Skill Set
- AVISS00087 Emergency Breathing System Skill Set
- AVISS00088 Helicopter Down the Wire Skill Set

Regulation and licensing implications for implementation

People employed in the aviation industry need to fulfil competency and training requirements as detailed in the regulations relevant to their job role. People assessed as complying with these requirements are usually provided with some form of certification by the Civil Aviation Safety Authority (CASA) or other relevant bodies.

These are certificates required by the relevant state/territory or Australian legislation or international code or convention before a person can be allowed to work in the job role covered under the legislation. These certificates should not be confused with national educational qualifications that are issued by RTOs. While in

the aviation industry there is a close relationship between the regulatory certificates and the national VET qualifications, they are issued by different organisations under different legislative authorities.

Individuals seeking accreditation as a Transport Security Screening Officer should check industry- specific accreditation requirements with the Aviation and Maritime Security Division of the Department of Home Affairs.

Individuals seeking certification or licensing outcomes for specific job roles should confirm regulatory requirements with the relevant Australian Government agency for the following occupational areas:

Aviation Transport Security

Department of Home Affairs: <https://www.homeaffairs.gov.au>

Flight Operations

Civil Aviation Safety Authority: <https://www.casa.gov.au>

Ground Operations

Civil Aviation Safety Authority: <https://www.casa.gov.au>

Air Traffic Services

Airservices Australia: <http://www.airservicesaustralia.com/careers/air-traffic-controller>

Australian Defence Force

The Australian Defence Force (ADF) owns and operates aircraft for the defence of Australia. The ADF has developed and established a regulatory framework for ADF aircraft in much the same way as commercial aviation meets regulations determined by CASA. Therefore, RTOs delivering training for Defence must interpret the competencies in accordance with relevant Defence Orders, instructions, publications and regulations. Accreditation may also be required.

Should RTOs delivering training or assessment require further information, they should contact:

Director National Skills Framework

Defence Education, Learning and Training Authority (DELTA)

Australian Defence College

Defence.RTO@[defence.gov.au](mailto:Defence.RTO@defence.gov.au)

Aviation Competency Fields

The following table identifies the Unit of Competency letter code for the competency field:

A	Handling cargo/stock
B	Equipment checking and maintenance
C	Driving vehicle
D	Load handling

E	Communication and calculations
F	Safety management
G	Teamwork
H	Route planning and navigation
I	Customer service
J	Quality
K	Technology
L	Resource management
M	Training and Assessment
N	Leadership and supervision
O	Security
P	Administration and finance
Q	N/A
R	Contract procurement
S	N/A
T	Legislation and regulatory requirements
U	Environment
V	N/A
W	Equipment and systems operations
X	Cross Sector Units
Y	Aircraft operation and traffic management
Z	Situation awareness

Implementation Information

Key features of the training package and the industry that will impact on the selection of training pathways

Pathways define a sequence of learning or experience that can be followed to attain competency and describe the way in which training and assessment is undertaken in an education or training program. They are **not mandatory** and may vary depending on the qualification or training program, the needs of the individual and the industry.

The Training Package is flexible, and many ways pathways can be constructed to align with individual requirements and business needs. RTOs can work with their clients to apply the flexibility available in the packaging rules to ensure 'fit for purpose outcomes'.

Industry sectors and occupational outcomes of qualifications

AVI10119 Certificate I in Aviation (Foundation Skills) is relevant to the following job role:

- Aviation Operator

AVI20119 Certificate II in Aviation (Flight Operations-Cargo Services) is relevant to the following job roles:

- Cargo Services Operator
- Loadmaster

AVI20219 Certificate II in Aviation (Ground Operations and Service) is relevant to the following job roles:

- Baggage Handling
- Customer Service
- Ground Operations
- Ramp Operations

AVI20325 Certificate II in Transport Security Protection is relevant to the following job roles:

- Transport Security Screening Officer
- Transport Security Screening Officer – Air Cargo Examination Officer
- Transport Security Screening Officer – Airport Screening Officer
- Transport Security Screening Officer – Maritime Screening Officer

AVI30219 Certificate III in Aviation (Cabin Crew) is relevant to the following job roles:

- Cabin Crew
- Crew Attendant
- Flight Attendant

AVI30525 Certificate III in Airborne Operations is relevant to the following job roles:

- Aerial Surveillance
- Air Crew Officer (ACO)
- Drop Master
- Police, paramedics and other emergency services personnel including rappellers or winch trained air crew
- Rescue Crew Officer (RCO)
- Visual Observer

AVI30426 Certificate III in Aviation (Remote Pilot) is relevant to the following job roles:

- Remote Pilot – Visual Line of Sight

AVI30319 Certificate III in Aviation (Ground Operations and Service) is relevant to the following job roles:

- Baggage Handling
- Customer Service
- Flight Dispatch
- Ramp Operations

AVI30119 Certificate III in Aviation (Aerodrome Operations) is relevant to the following job roles:

- Aerodrome Reporting Officer
- Airport Safety Officer
- Airside Operations Officer
- Operations Officer
- Works Safety Officer

AVI40225 Certificate IV in Airborne Operations is relevant to the following job roles:

- Aerial Surveillance
- Air Crew Member
- Air Crew Officer (ACO)
- Electronic Mission Coordinator
- Mission Coordinator
- Police, paramedics and other emergency service personnel including rappel dispatcher and winch operators.

AVI40122 Certificate IV in Aviation (Supervision) is relevant to the following job roles:

- Aerodrome Operations Supervisor
- Aviation Supervisor
- Cabin Crew Supervisor
- Cargo Supervisor
- Customer Service Supervisor
- Ground Operations Supervisor
- Ramp Operations Supervisor
- Operations Supervisor

AVI40422 Certificate IV in Aviation (Remote Pilot-Beyond Visual Line of Sight)

- Remote Pilot–Beyond Visual Line of Sight

AVI50115 Diploma of Aviation (Air Traffic Control) is relevant to the following job roles:

- Aerodrome Controllers
- Enroute Controllers
- Approach Controllers

AVI50222 Diploma of Aviation (Commercial Pilot Licence - Aeroplane) is relevant to the following job roles:

- Commercial Pilot
- Military Pilot

AVI50322 Diploma of Aviation (Commercial Pilot Licence - Helicopter) is relevant to the following job roles:

- Commercial Pilot
- Military Pilot

AVI50519 Diploma of Aviation (Instrument Rating) is relevant to the following job roles:

- Commercial Pilot
- Military Pilot

AVI50419 Diploma of Aviation (Flight Instructor) is relevant to the following job role:

- Flight Instructor

AVI50119 Diploma of Aviation (Aviation Management) is relevant to the following job role:

- Aviation Manager

AVI59922 Diploma of Aviation (Chief Remote Pilot) is relevant to the following job roles:

- Chief Remote Pilot

AVI60219 Advanced Diploma of Aviation (Pilot in Command) is relevant to the following job roles:

- Air Transport Pilot – Aeroplane
- Air Transport Pilot – Helicopter
- Military Pilot – Aeroplane
- Military Pilot – Helicopter
- Pilot in Command – Aeroplane
- Pilot in Command – Helicopter

DRAFT

Industry Occupations Guide

AVIATION		
Executive		
State Manager Regional Manager	CEO National Manager General Manager	Managing Director Business Owner
Specialist		
Human Resources Safety, Health & Environment Information Technology Sales & Marketing	Legal & Regulatory Administration Finance & Accounting Project Management	Training Organisational Development Customer Services Quality
Management		
Transport Manager	Operations Manager	Logistics Manager
	Airport Manager	
Supervisory		
Transport Supervisor	Shift Supervisor	Operation Supervisor
Air Traffic Controller	Aeroplane Pilot	Helicopter Pilot
Cabin Supervisor	Flying Instructor	
Entry Level		
Forklift Driver	Truck Driver	Despatch/Receival Clerk
Storeperson	Baggage Handler/Ground Crew	Aircraft Refueller
Aircraft Load Controller	Flight Attendant	Aerodrome Reporting Officer
Aircraft Maintenance Engineer	Transport Security Screening Officers	

Qualifications Entry Requirements

Entry requirements are the knowledge, skills or experience required to enter a qualification. They may be expressed as Units of Competency, qualifications or vocational outcomes and **must** be demonstrated prior to commencing the qualification.

In the AVI Aviation Training Package the following entry requirements apply:

- Entry requirements are the knowledge, skills or experience required to enter a qualification. They may be expressed as Units of Competency, qualifications or vocational experience and must be achieved or demonstrated prior to commencing the qualification.
- In the Aviation industry there are some restrictions on regulatory and licensing components that may be relevant to some job roles detailed in a qualification, Unit of Competency or Skill Set.

For the AVI20325 Certificate II in Transport Security Protection:

- Individuals undertaking this qualification must have passed a valid background check prior to accessing security-restricted resources associated with AVIG0006 Work effectively in a transport security environment. A valid background check for the purposes of an individual undertaking the qualification is a background check on an applicant for, or the holder of an aviation security identification card or maritime security identification card.

For the AVI40422 Certificate IV in Aviation (Remote Pilot-Beyond Visual Line of Sight):

- individuals undertaking this qualification must have the AVI30426 Certificate III in Aviation (Remote Pilot) or equivalent.
- alignment to Remote Pilot Licensing requirements described in Civil Aviation Safety Regulation (CASR) Part 101 — Unmanned aircraft and rockets and Part 101 Manual of Standards.

For the AVI50115 Diploma of Aviation (Air Traffic Control):

- entrants must possess the minimum entry requirements determined by CASA for air traffic services licensing purposes or Defence Air Traffic Controller entry standards.
- alignment is to the CASR Part 65 Manual of Standards (MOS) air traffic services licensing requirements; personnel seeking certification as an Air Traffic Controller are to apply to CASA in accordance with existent licensing procedures.

For the AVI50222 Diploma of Aviation (Commercial Pilot Licence – Aeroplane)

- commercial or military pilot entrants to this qualification should check requirements with CASA or Defence Aviation for specific pilot entry standards.

For the AVI50322 Diploma of Aviation (Commercial Pilot Licence – Helicopter)

- commercial or military pilot entrants to this qualification should check requirements with CASA or Defence Aviation for specific pilot entry standards.

For the AVI50519 Diploma of Aviation (Instrument Rating):

- commercial or military pilot entrants to this qualification should check requirements with CASA or Defence Aviation for certification and/or flight hour requirements.

For the AVI50419 Diploma of Aviation (Flight Instructor):

- commercial or military pilot entrants to this qualification should check requirements with CASA or Defence Aviation for certification and/or flight hour requirements or be able to demonstrate equivalent competence.

For the AVI60219 Advanced Diploma of Aviation (Pilot in Command):

- commercial or military pilot entrants to this qualification should check requirements with CASA or Defence Aviation for certification and/or flight hour requirements or be able to demonstrate equivalent competence.

Pathways Advice

[Attachment D](#) provides sector and qualification pathways guidance. Information about specific pathways relevant to qualifications in the Training Package is best provided by RTOs delivering the qualifications and state/territory advisory bodies.

Generally, all qualifications in the AVI Aviation Training Package are suitable for delivery via an Australian Apprenticeship pathway.

The [Australian Apprenticeships website](#) offers information about traineeships and apprenticeships and includes links to State and Territory Training Authorities (STAs) that monitor provision.

[Attachment D: Aviation Training Package pathways advice](#)

Access and Equity

Good VET, and assessment include making adjustments to meet the learning and assessment needs of individuals. An open mind, common sense and tailoring training and assessment to individual circumstances should ensure individuals achieve the standards employers and RTOs expect.

Adjustments can be made to assist learners to access and participate in VET. Adjustments are reasonable if they achieve this purpose and take into account factors, such as the nature of the learner's ability and disability, the views of the learner, the potential effect of the adjustment on the learner and others, and the costs and benefits of making the adjustment.

Reasonable adjustments need only be that – reasonable. It is about identifying what adjustments might reasonably be made and how they may be put into place.

Assessment processes and techniques should be modified for distance-based learners, be culturally appropriate and suitable to the communication skill level, language, literacy and numeracy (LLN) capacity of the candidate and the work being performed.

An individual's access to the assessment process should not be adversely affected by restrictions placed on the location or context of assessment.

Foundation Skills

Foundation skills is the term that the Australian Government uses in a range of educational contexts, including vocational Units of Competency, to capture the language, literacy and numeracy skills required to effectively complete a work task.

Language, literacy and numeracy skills can make the difference between whether or not someone succeeds in training and at work and describe the important foundation skills required to support other communication and technical skills in the work context.

Language, literacy and numeracy skills are represented by the five core skills set out in the Australian Core Skills Framework (ACSF): Learning, reading, writing, oral communication and numeracy.

Foundation Skills may also include employment skills which can be described using either:

- the skills set out in the employability skills framework: Teamwork, Initiative and enterprise, Planning and organising, Problem solving, Self-management, and Technology; or
- the core skills for work set out in the Core Skills for Work developmental framework: Navigate the world of work, Interact with others, and Get the work done.

Foundation skills should be considered as an integrated part of the unit for delivery and assessment purposes.

Units of Competency in this AVI Aviation Training Packages release describe the foundation skills essential to performance in the elements and performance criteria where possible. Where the language descriptors are overly complex or multidimensional, they are clarified within the Assessment requirements of the unit under Performance and/or Knowledge evidence.

Where practicable in the Elements and Performance Criteria, key words are used to indicate the foundation skills essential to performance. This language is aligned to one or more of the five key Foundation Skills categories of the ACSF - Learning, Reading, Writing, Oral Communication and Numeracy. It is important to note that foundation skills may not have the same meaning in every instance or context and therefore need to be considered in reference to the additional items listed under the Assessment requirements of the unit and the demands of the task within the relevant job context.

Foundation skills that are made explicit in the Assessment requirements utilise language specific to the foundation skill and level of skill required.

For example,

- **Learning Skills:** 'organise', 'clarify meaning or advice', 'take follow up action'
- **Reading Skills:** 'read and interpret', 'compare and comply with', 'analyse and determine'
- **Writing:** 'maintain/complete records', 'report on', 'develop processes', 'document'
- **Oral communication:** 'communicate warnings and advice', 'give directions', 'listen and clarify instructions'
- **Numeracy:** 'interpret charts, maps and schedules', 'estimate distances and time'; 'calculate'.

Foundation Skill Area	Key word examples	Example of task description
Reading	• access • according to... • adhere to • analyse • apply... • check • compare • comply with • determine • follow written ... • identify • interpret • observe • source	- information and documentation - regulatory and licencing requirements - organisational procedures - documents relating to work role - plans, schedules and tables - checklists and inspection guides - manuals and specifications - organisational policies and procedures - WHS/OHS legislation - AMSA rules and regulations - licensing requirements
Writing	- articulate - chart - check - complete - develop - document - list - maintain records - mark up - monitor - note - outline - record	- checklists - inspection plans - proforma - risk assessments - emails - reports - warnings and advice - instructions - directions - workplace documents relevant to work role - schedules; tables; rosters - plans; charts; procedures
Oral Communication	• assist • advise • clarify meaning • consult • instruct • respond • request • encourage • articulate • report • consult • facilitate • contribute	- service information - instructions/directions - industry terminology - interactions/discourse - conflict resolution - navigating language barriers - seeking / requesting assistance - seeking approval / verification/ clarification - giving/interpreting oral information - advising/mentoring/guiding - emergency response - meetings/ training - events/issues/warnings - non-speaking communication: (verbal/non-verbal) to establish, develop and maintain effective work relationships

FSK Foundation Skills Training Package

The FSK Foundation Skills Training Package allows RTOs to choose and deliver foundation skills Units of Competency, qualifications and Skill Sets that will enable learners to build the specific foundation skills they need to achieve vocational competency.

Foundation skills Units of Competency provide additional information about the types of language, literacy and numeracy skills that are needed to meet the requirements of vocational Units of Competency.

The Training Package can be downloaded from <https://training.gov.au/>.

Health and safety implications in the industry

Work health and safety (WHS)/occupational health and safety (OHS) has been used in Units of Competency to refer to the relevant legislation. As not all jurisdictions have implemented the Model Work Health and Safety (WHS) Act the combined term is used to recognise that either the national model or existing state/territory instrument will apply, as specified by the relevant regulatory authority.

In jurisdictions where the Model WHS Act has not been implemented, RTOs are advised to contextualise the Unit of Competency by referring to the existing state/territory OHS legislative requirements.

Resources and equipment relevant to the Training Package

The assessment requirements relevant to each Unit of Competency refer to the relevant resources and equipment required for assessment.

Where a specific vehicle or piece of equipment is referred to, it must be used in the relevant assessment.

In particular, for assessment, access is required to:

- a range of relevant exercises, case studies and/or simulations
- a vehicle typical of that used in the industry
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

Specific assessment requirements and strategies are defined in the relevant Unit of Competency where applicable.

RTOs can only conduct training and/or assessment of the qualifications and/or Units of Competency in this Training Package provided they are covered by their Scope of Registration.

The assessment requirements for each Unit of Competency specify the relevant resources and equipment required to achieve the vocational outcomes of the AVI Aviation Training Package.

Legal considerations for learners in the workplace / on placements

Legal requirements that apply to specific industries and VET vary across each state and territory, and the Commonwealth, and can change.

Contact relevant state/territory and Commonwealth departments to determine specific legal requirements.

Remote pilot

Flying remotely piloted aircraft (RPA) in Australia is covered on the CASA website.

This link covers a range of topics related to drone flying: [Drones | Civil Aviation Safety Authority \(casa.gov.au\)](https://www.casa.gov.au/drones)

Range of Conditions

The Range of Conditions tables provide non-essential industry specified advice on resources, definitions and conditions that may be relevant for assessment of a Unit of Competency.

The *CVIG Range of Conditions Tables* can be found in **Attachment E**.

ATTACHMENT A: Qualification Mapping

Mapping information for Qualifications can be found in the AVI Aviation Training Package CVIG Mapping Information [Attachments A–C spreadsheet](#).

ATTACHMENT B: Skill Sets Mapping

Mapping information for Skill Sets can be found in the AVI Aviation Training Package CVIG Mapping Information [Attachments A–C spreadsheet](#).

ATTACHMENT C: Units of Competency Mapping

Mapping information for Units of Competency can be found in the AVI Aviation Training Package CVIG Mapping Information [Attachments A–C spreadsheet](#).

ATTACHMENT D: Training Package Pathways Advice

Figure 1: Foundation Skills Model

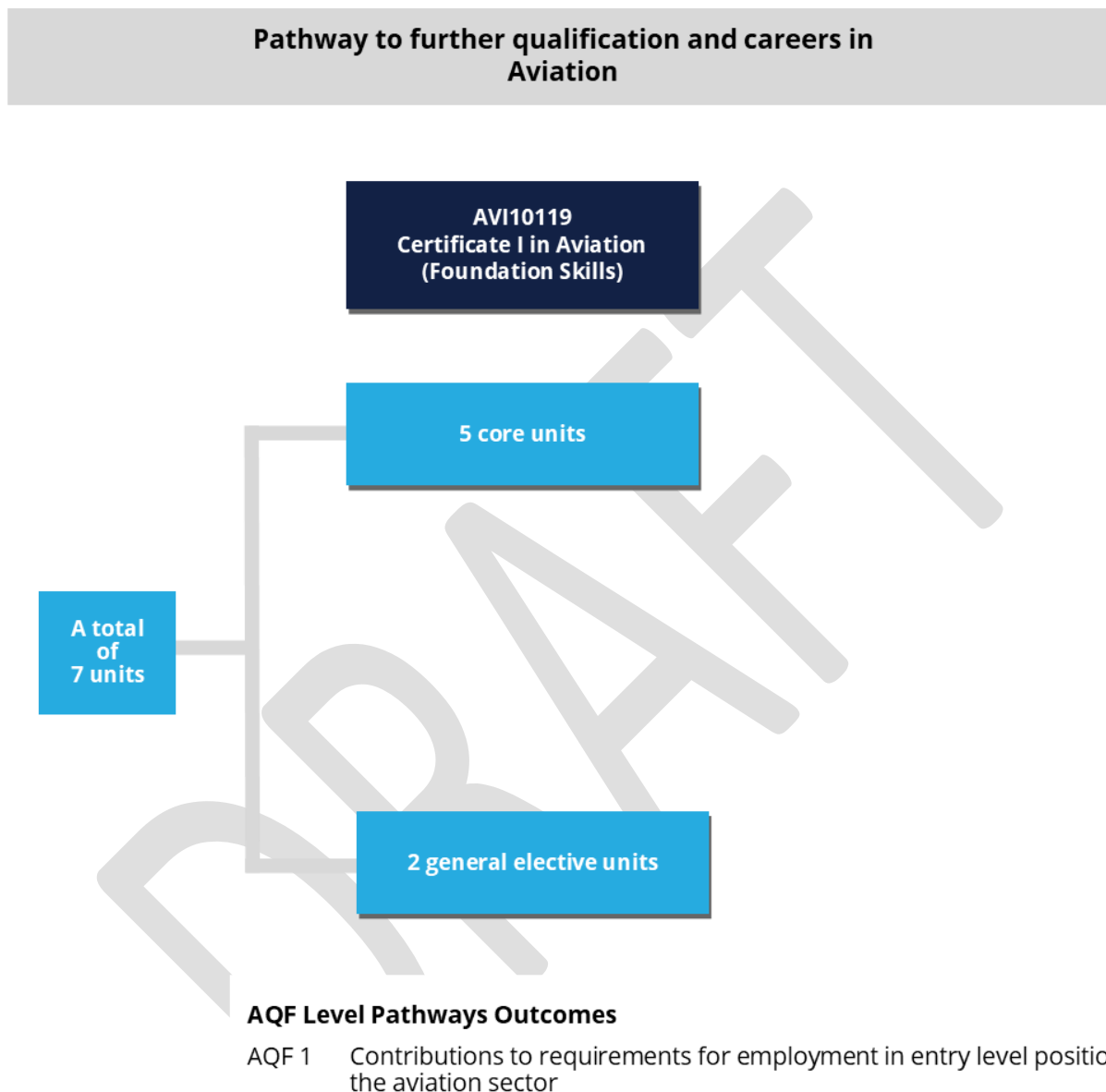
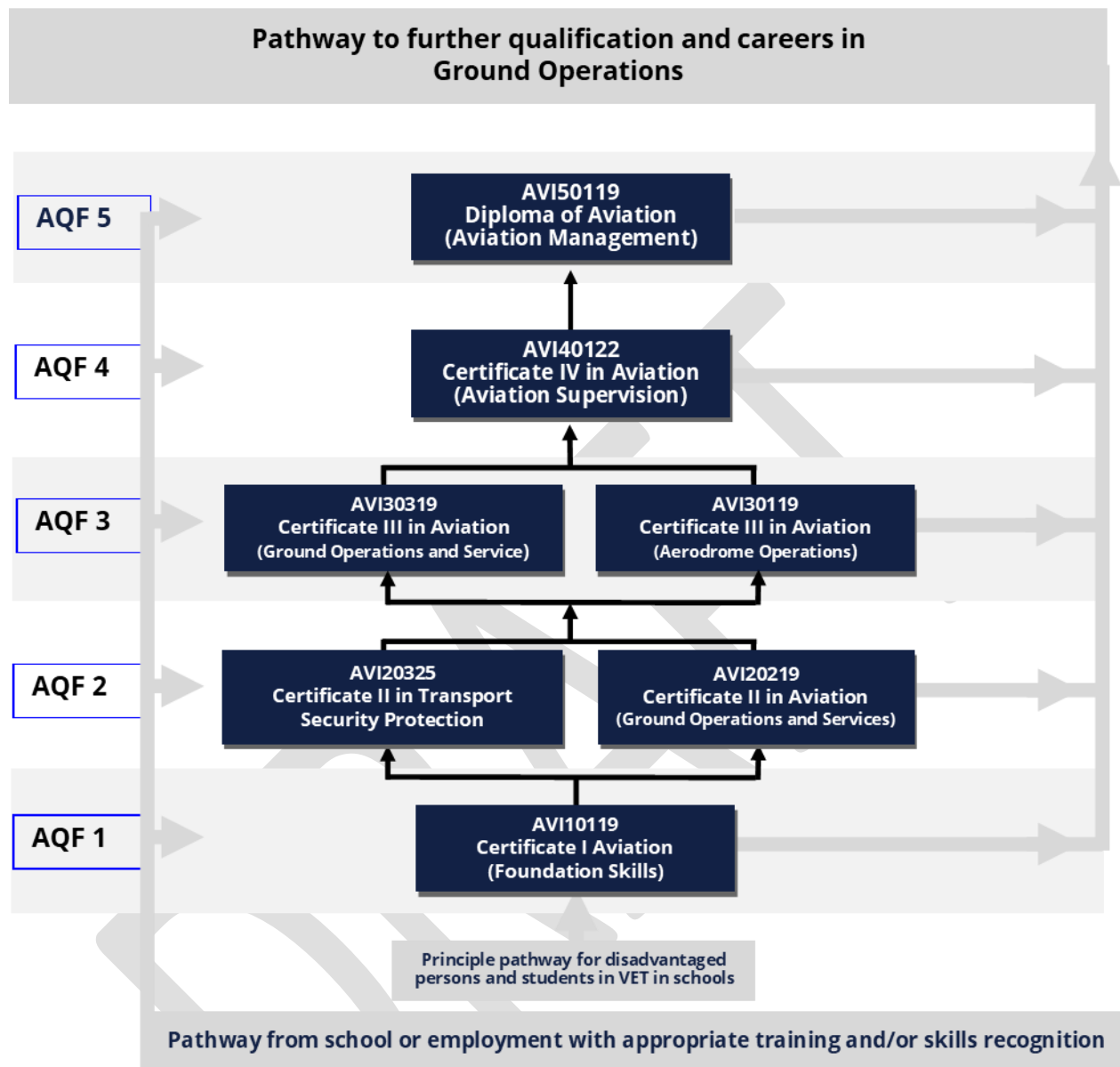
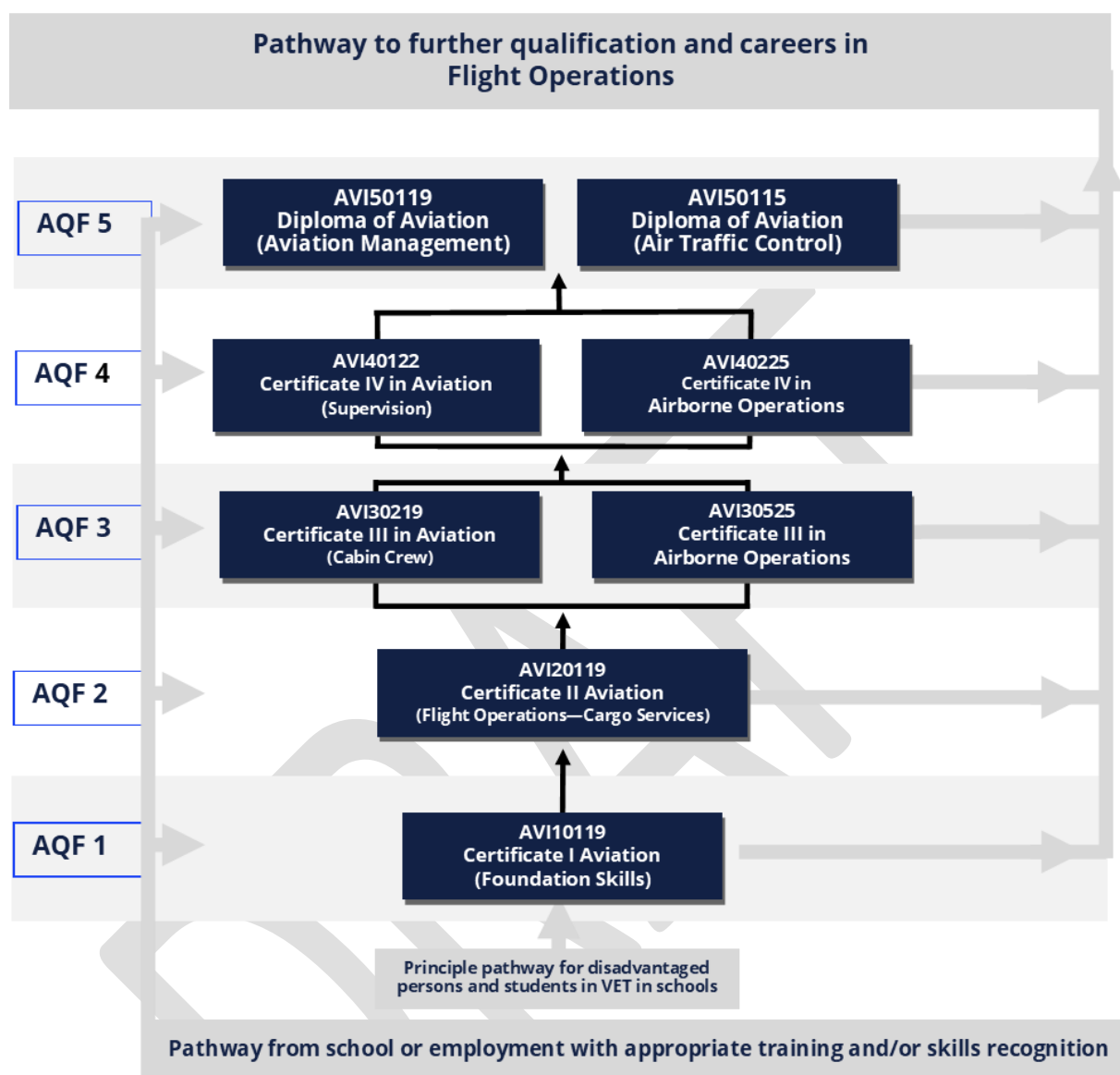
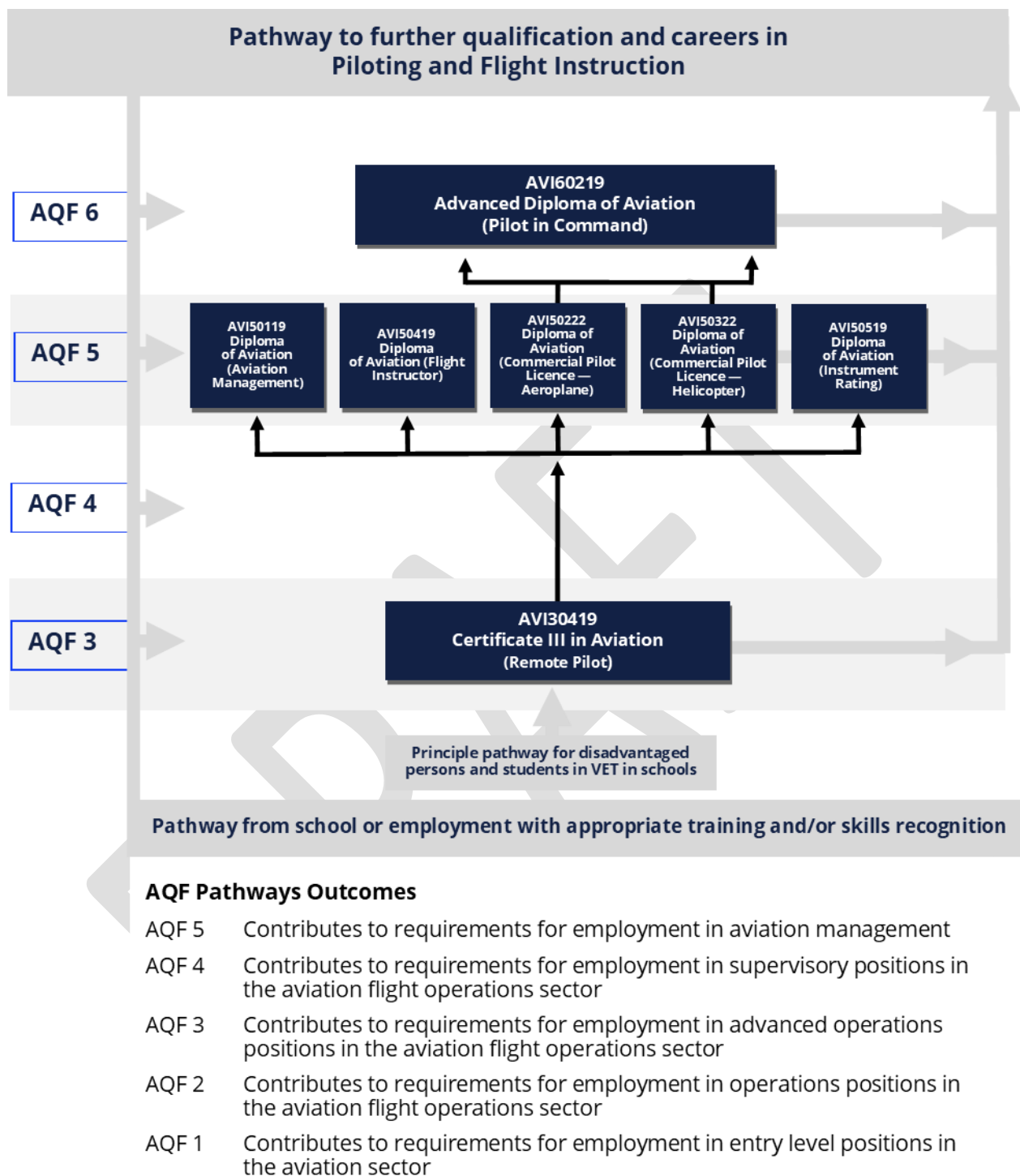


Figure 2: Aviation Management

AQF Pathways Outcomes

- AQF 5 Contributes to requirements for employment in aviation management
- AQF 4 Contributes to requirements for employment in supervisory positions in the aviation ground operations sector
- AQF 3 Contributes to requirements for employment in advanced operations positions in the aviation ground operations sector
- AQF 2 Contributes to requirements for employment in operations positions in the aviation ground operations sector
- AQF 1 Contributes to requirements for employment in entry level positions in the aviation sector

Figure 3: Flight Operations Pathways

AQF Pathways Outcomes

- AQF 5 Contributes to requirements for employment in aviation management
- AQF 4 Contributes to requirements for employment in supervisory positions in the aviation flight operations sector
- AQF 3 Contributes to requirements for employment in advanced operations positions in the aviation flight operations sector
- AQF 2 Contributes to requirements for employment in operations positions in the aviation flight operations sector
- AQF 1 Contributes to requirements for employment in entry level positions in the aviation sector

Figure 4: Piloting and Flight Instruction Pathways


ATTACHMENT E: Implementation Advice

AVI20325 Certificate II in Transport Security Protection

In addition to completing the Certificate II in Transport Security Protection qualification, all screeners and examination officers must pass annual accreditation tests in all screening and examination functions and powers they perform. The relevant accreditation tests for the screening and examination functions or powers are set out in [Approved screener accreditation tests](#).

Annual accreditation testing includes:

- workplace practical assessments of the screener's skills
- X-ray image interpretation tests.

Screeners and examination officers are only required to hold accreditation in screening and examination functions relevant to their current or future screening role.

Accreditation tests are administered by industry-based accreditors.

AVI40225 Certificate IV in Airborne Operations

At the time of endorsement (Release 11.0) this qualification forms some of the requirements for certification by the Civil Aviation Safety Authority (CASA) as a task specialist or other aerial work operations as directed by Civil Aviation Safety Regulation (CASR) Part 138 Aerial work operations.

Please refer to CASA for any relevant Instruments that might additionally apply.

AVID2004 Conduct aviation freight weighing operations

Documentation may include:

- aircraft loading/trim sheet
- aviation freight weighing checklists
- conditions of service, legislation and industrial agreements including workplace agreements and awards
- emergency procedures
- flight schedules
- freight manifest, air waybill and other relevant freight documentation
- induction and training materials
- local instructions
- manufacturer specifications and instructions relevant weighing equipment
- WHS/OHS regulations
- sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders relevant to aviation freight weighing operations
- workplace procedures and instructions, and job specifications

Hazards may include:	- contamination of, or from, materials being handled - dust/vapours - hazardous or dangerous materials - spill, leakages, ruptures
Hazard management may include:	- principles of hierarchy of risk control: - elimination - substitution - isolation - engineering control measures - safe working practices - personal protective equipment (PPE)
Aviation freight weighing operations may include:	- aviation freight depot/terminal, or freight check-in point at either a major airport or regional airport - domestic or international aviation freight transport - fully manual process, or in conjunction with automated freight handling/management equipment
Freight may include:	- allowable dangerous goods - diplomatic items - fragile goods - general freight - human remains - live freight - loose freight - mail/express - perishable goods - unaccompanied baggage - valuables
AVIH0022 Interpret airspace charts and aeronautical publications for remotely piloted aircraft systems	
Relevant aeronautical publications may include:	- Aeronautical Information Publication - En-Route Supplement Australia - Notice to Airman - Visual Terminal Charts

Special use airspace may include:	• danger areas • military operating area • prohibited areas • restricted areas
AVIF0047 Apply awareness of dangerous goods and hazardous substances in the transport security environment	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIF0050 Manage human performance factors for remotely piloted aircraft systems	
Aviate may include:	• aviate • communicate • navigate
Aspects of individuals that may affect safe operations may include:	• judgement • leadership style • personality
Assessing situations and making decisions may include:	• identifying problems that may affect the safe operation of the RPA • analysing problems • identifying solutions to the problems • assessing the solutions to the problems • assessing the solutions and risks to solutions • deciding on a course of action • communicating the proposed course of action, if required • allocating tasks relating to the proposed course of action, if required • taking actions to achieve optimum outcomes for operation • monitoring progress of the course of action • adjusting the course of action to achieve the optimum outcomes for the operation

Effective communication methods may include:	• during operations with and without observers • face to face • via radio
Effective communications and interpersonal relationships may include:	• defining and explaining objectives to stakeholders • demonstrating a level of assertiveness that ensures the optimum completion of the operation • establishing and maintaining effective and efficient communications and interpersonal relationships with all stakeholders to ensure the optimum outcome of the operation • recognising hazardous attitudes and mindsets
Information processing and decision making may include:	• aide-memoires and rules of thumb • anxiety, overconfidence, boredom or complacency • desire to get the task done • long- or short-term memory • memory limitations • personality traits • pride, peer pressure or employer pressure • skill, experience and recency • workload and overload
Limitations of the eye may include:	• ability to discern objects/aircraft at a distance and height • colour discrimination • empty field myopia • glare • myopia, hyperopia, astigmatism, presbyopia and parallax
medical and psychological factors may include:	• ageing • alcohol use and smoking • dehydration and heat stroke • emotions including anger, anxiety, depression and fear • fatigue • headaches including a migraine • injury • medications and drug use

	• upper respiratory tract infections
Principles of stress management may include:	• cognitive or behavioural techniques for managing stress • relaxation • time management
Setting priorities and managing tasks may include:	• anticipating events and tasks that may occur during the operation • organising workload and priorities to ensure safe operation of the RPA • planning events and tasks for the operation so that the events and tasks occur sequentially • using technology to reduce workload and improve cognitive and manipulative activities during the operation
Stress may include:	• causes and effects of domestic or work-related stress • effects of short- and long-term performance and health of a person operating an RPA • symptoms of stress in an excessively hot, cold, windy, vibrating or noisy environment
Threat and error management may include:	• crew resource management • errors versus violations • principles of threat and error management in relation to operating RPA • processes to identify and manage threats and errors during RPA operations • risk perception when remote from the location of RPA operations • strategic versus tactical risk management • use of checklists and standard operating procedures to prevent errors
Verbal and non-verbal communication may include:	• assertion skills • barriers to communication • listening skills
Vision enhancements may include:	• prescription spectacles • suitable sunglasses
Visual illusions may include:	• conditions under which visual illusions may occur • how to overcome sensory illusions • typical illusions including relative motion
AVIG0006 Work effectively in a transport security environment	

Identifying and completing required documentation may include:	• completing documentation such as logs, journals and activity reports • completing police reports • completing written and computer reports • contacting designated personnel • recording security risk and incident details • requesting security assistance
AVIH0020 Operate remote pilot aircraft systems in extended visual line of sight (EVLOS)	
Automated sub-systems may include:	• limitations of automated systems • operating procedures for systems, such as flight management system, auto throttle/engine/thrust control, flight director system, automated aircraft navigation systems, automated engine condition and monitoring system • workload management procedures for utilising automated systems • warning systems/indicators to identify automated systems failure
Autopilot sub-systems may include:	• emergency operating procedures for autopilot system • identification of power sources, voltage or pressure • likely faults that may affect autopilot system • limits of gyro units • normal and emergency procedure to disengage autopilot • principles of operation of autopilot system • procedure to determine gyros are operating normally • procedure to engage autopilot
Battery or fuel or power sub-systems may include:	• emergency operating procedures for battery/fuel/power system • fuel-dumping procedures • full battery/fuel capacity and fuel grade • likely faults that may affect battery/fuel/power system • operation of /battery/fuel/power selector panel or display • use of a schematic diagram of battery/fuel/power system to explain layout and normal operating procedures • use of cross-feed or power distribution
Command and control links may include:	• link quality • link security

	• radio range effectiveness • setting up antennas and/or antenna trackers
Detection and avoidance sub-systems may include:	• appropriate crew response to multiple detection and avoidance systems events • basic components of detection and avoidance systems • detection and avoidance systems visual displays and symbology • functions of audio alerts and annunciations • identification and demonstration of controls or explanation of function of RPAS control station • recall of radiotelephone procedures following a detection and avoidance system alert • requirements for a written report of a detection and avoidance systems alert and to whom it must be submitted • surveillance and collision avoidance functions of detection and avoidance systems • system limitations, selectivity and inhibits
Electrical sub-systems may include:	• emergency operating procedures for electrical system • instruments and displays operated by electrics • likely faults that may affect electrical system • location of fuses and circuit breakers • methods of circuit protection • number and output of generators • precautions to be taken when operating electrical devices • use of a schematic diagram of electrical system to explain type/s of electrical system • voltage and amperage of battery or power cell
Hydraulic sub-systems may include:	• emergency operating procedures for hydraulic system • likely faults that may affect hydraulic system • type of hydraulic fluid, operating pressure and capacity of reservoir • units or services operated by hydraulics • use of a schematic diagram of hydraulic system to explain layout and normal operating procedures
Oil/lubrication system may include:	• emergency operating procedures for oil system • likely faults that may affect oil system

	• normal, minimum and maximum oil pressure and temperature • number of tanks, capacity and oil grade • operation of oil cooling system • use of a schematic diagram of oil system to explain functions of oil system
RPA sub-systems may include:	• automated system • autopilot • battery/fuel/power system • detection and avoidance systems • electrical system • flight environment information RPAS control systems suitable for flight indications, including height, speed, direction and location • hydraulic system • oil/lubrication system • RPAS checklists
RPAS checklists may include	• explanation of the normal system operating procedures of RPAS • sub-systems and devices used to operate specific RPAS including use of published scans and checklists, immediate action items, warnings and limitations
AVIH0020 Operate remote pilot aircraft systems in extended visual line of sight (EVLOS)	
Airspace depiction on aeronautical charts may include:	• common traffic advisory frequencies and associated airspace • control area • control zone • controlled aerodrome • differences between classifications • flight information area • radio frequency boundaries • special use airspace • Visual Flight Rules route and lane of entry
Electronic flight bag may include:	• CASA verified drone safety app • electronic maps and charts

Identifying geographical features on a chart may include:	• geographical limits • geographical limits of flight training areas • landing areas within local area • restricted, controlled and uncontrolled airspace areas • state/territory local airspace limits
Requirements of aeronautical radio qualifications may include:	• Air Traffic Control • in the vicinity of non-controlled aerodromes
	•
AVIO0027 Apply electronic metal detection	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0028 Conduct primary screening of persons	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0029 Conduct screening using 3D CT X-ray scanning techniques	
Responding to suspected presence of weapons, explosives and prohibited items may include:	• requesting a physical search of articles • requesting a second opinion • requesting an explosive trace detection

	• re-screening article to clear
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0030 Conduct screening using explosive trace detection equipment	
Definition of ETD equipment, alarms and systems	equipment that can detect and indicate by an alarm, the presence of a target amount of explosive material as outlined in the relevant screening regulations
Definition of ETD equipment alarm	where equipment produces an audible and/or visual alarm to indicate the presence of a target amount of explosive material within the equipment range, in accordance with equipment operating program and as outlined in the relevant screening regulations
Definition of ETD system	where technologies have the ability to detect and indicate by means of an alarm, the presence of a target amount of explosive material contained in baggage or on a person or other articles subjected for analysis, as outlined in the relevant screening regulations
Articles may include:	• bags • cabin baggage • checked baggage • display/promotional items • hold baggage • packages • personal effects • tools of trade • work equipment
Workplace procedures may include:	• applicable legislative requirements and aviation screening notices • access and equity policies, principles and plans • client service standards

	• code of conduct • code of ethics • communication and reporting procedures • complaint and dispute resolution procedures • emergency and evacuation procedures • employer and employee rights and responsibilities • equipment use and maintenance • work health and safety (WHS)/occupational health and safety (OHS) policies, procedures and programs • own role, responsibility and authority • privacy and confidentiality of information • screening procedures
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0031 Conduct secondary screening of persons	
Relevant workplace procedures may include:	• access and equity policies, principles and practices • client service standards • code of conduct or ethics • communication and reporting procedures • complaint and dispute resolution procedures • emergency and evacuation procedures • employer and employee rights and responsibilities • equipment use and maintenance • WHS/OHS policies and procedures • own role, responsibility and authority • privacy and confidentiality • standard operating procedures for screening

Persons with specific needs may include:	• hidden disabilities • infants or children • person in a wheelchair who may or may not be able to stand unassisted • person who is accompanied by an assistance or companion animal (such as a guide dog) • person who is hearing impaired • person who is vision impaired • person who is vision impaired who needs to carry unusual electronic devices in their personal effects (for example Braille note taker). • person who requires the assistance of a carer • person who uses a walking aid • person with a prosthetic device, body brace or other medical device
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0032 Conduct vehicle search for access to secure areas	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0033 Establish secure areas and manage access control points	
Articles may include:	• bags • cabin baggage

	• checked baggage • display/promotional items • goods • personal belongings • packages • personal effects • tools of trade • work equipment
Barriers may include:	• airlock systems • computerised entry systems • keypads and card entry systems • remotely operated doors • security turnstiles • shutters and gates • tensa barriers within a terminal building • traffic barriers.
Persons or personnel may include:	• airline personnel • airport personnel • authorised personnel • contractors • demonstrators • emergency services • government enforcement agency personnel • law enforcement personnel • passengers • registered air cargo agents • sales representatives • visitors
Identification may include:	• aviation security identification cards (ASIC) • maritime security identification cards (MSIC) • temporary aircrew cards (TAC) • visitor identification cards (VIC)

Incidents may include:	• acts or threats of acts of unlawful interference with aviation • bomb comments • expired or invalid ID, ASIC, VIC or TAC • forced entry of persons and/or vehicles • lost ID, ASIC, VIC or TAC • non-display or incorrect display of ID • persons in an area without lawful purpose • refusal to show ID, ASIC, VIC or TAC • stolen vehicles • unattended or suspicious articles • unauthorised persons in a secure area • vehicles incorrectly parked • weapons, explosive devices, unauthorised items or prohibited items found during inspection
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
Workplace procedures may include:	• access and equity policies, principles and practices • applicable legislative requirements and aviation screening notices • client service standards • code of conduct or ethics • communication and reporting procedures • complaint and dispute resolution procedures • emergency and evacuation procedures • employer and employee rights and responsibilities • equipment uses and maintenance • own role, responsibility and authority • privacy and confidentiality

	• standard operating procedures for screening • WHS/OHS procedures applicable to aviation security screening
Definition of a breach of a sterile sensitive area:	unauthorised entry of persons or articles into a sterile sensitive area.
Definition of an intentional breach of a sterile sensitive area:	where person/s causing a breach intended to avoid screening or where there is doubt as to the intention of person/s causing a breach
Definition of Sterile sensitive area	a zone established to prevent cleared persons in the zone coming into contact with persons who have not been cleared, and to prevent cleared persons getting access to anything from outside the zone that has not been cleared
Sterile sensitive areas to be searched may include:	• areas accessible to the public such as: • toilets • concession stands and areas • eating areas • open aerobridges • parenting rooms • gate lounges • passenger lounges • planter boxes • rubbish bins • under seating and tables
AVIO0034 Identify and manage weapons, explosives and prohibited items	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0035 Identify powders, liquids, aerosols and gels (PLAGs)	

Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0036 Manage disruptive behaviour and unlawful interference within a transport security environment	
Disruptive behaviours may include:	• Aggression • arguments • confusion or other cognitive impairment • drunken behaviour • fare evasion • graffiti • hostilities • intoxication • intrusive behaviour • manipulation • noisiness • not complying with aviation transport security regulations • not complying with no smoking signs • physical abuse • self-destructive behaviour • verbal abuse • wandering
Unlawful interference within a transport security environment may include:	• causing damage to an aircraft that is in service that puts the safety of the aircraft, or any person on board or outside the aircraft, at risk • committing an act at an airport, or causing any interference or damage, that puts the safe operation of the airport, or the safety of any person at the airport, at risk • destroying an aircraft that is in service

	• doing anything on board an aircraft that is in service that puts the safety of the aircraft, or any person on board or outside the aircraft, at risk • placing, or causing to be placed, on board an aircraft that is in service anything that puts the safety of the aircraft, or any person on board or outside the aircraft, at risk • putting the safety of an aircraft at risk by communicating false or misleading information • putting the safety of aircraft at risk by interfering with, damaging or destroying air navigation facilities • taking control of an aircraft by force, or threat of force, or any other form of intimidation or by any trick or false pretence • causing damage to a vessel that is in service that puts the safety of the vessel, or any person on board or outside the vessel, at risk • committing an act at a port, or causing any interference or damage, that puts the safe operation of the port, or the safety of any person at the port, at risk • destroying a vessel that is in service • doing anything on board a vessel that is in service that puts the safety of the vessel, or any person on board or outside the vessel, at risk • placing, or causing to be placed, on board a vessel that is in service anything that puts the safety of the vessel, or any person on board or outside the vessel, at risk • putting the safety of a vessel at risk by communicating false or misleading information • putting the safety of a vessel at risk by interfering with, damaging or destroying navigation facilities • taking control of a vessel by force, or threat of force, or any other form of intimidation or by any trick or false pretence
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0037 Manage the flow of items for screening by X-ray screening equipment	

Items may include:	• bags • cabin baggage • checked baggage • display/promotional items • goods • personal belongings • packages • personal effects • tools of trade • work equipment
Specific needs may include:	• attendant needs such as travelling with a carer • medical needs such as requiring oxygen equipment • physical mobility needs such as using walking aids or a wheelchair • vision or hearing impairment needs such as using a service animal or assistive technologies
Legislative requirements may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0038 Screen articles by interpreting X-ray images	
Articles may include:	• bags • cabin baggage • checked baggage • display/promotional items • goods • personal belongings • packages • personal effects

	• tools of trade • work equipment
Definition of threat image projection system:	a software program capable of projecting virtual images of threat articles such as a gun, knife, or improvised explosive device within the X-ray image of a bag under examination and of providing immediate feedback to observer
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
AVIO0039 Undertake physical search	
Relevant legislation may include:	• Aviation Transport Security Act 2004 • Aviation Transport Security Regulations 2005 • Maritime Transport and Offshore Facilities Security Act 2003 • Maritime Transport and Offshore Facilities Security Regulations 2003 • Aviation Transport Security (Screening Officer Requirements) Determination 2023 • Maritime Transport Security (Screening Officer Requirements) Determination 2023
Vehicles may include:	• cleaner's trolley • motor vehicle • motorcycle • motorised elevated work platform • motorised ride on cleaning equipment • people mover • pram • wheelchair
AVIU0001 Apply basic meteorology for remotely piloted aircraft operations	

Causes and effects of weather phenomena may include:	• convection • extreme heat and cold • low cloud • poor visibility including fog, mist, dust and haze • precipitation static • rain and humidity • strong winds and windshear • thunderstorms • turbulence
Weather observations may include:	• dust devils • thermals • turbulence • wind gradient • wind shear
AVIW0034 Perform non-pilot cockpit duties	
Anti-icing and de-icing systems may include:	• method of de-icing aerofoils, propeller and carburettor • heat or power source of de-icing/anti-icing equipment • anti-icing and de-icing system limitations • operation and control of anti-icing and de-icing systems • likely faults that may affect anti-icing and de-icing systems
Electrical systems may include:	• use of a schematic diagram of the electrical system to explain type/s of electrical systems including alternating current (a.c.) and direct current (d.c.) • likely faults that may affect electrical system • voltage and amperage of battery • number and output of generators • methods of circuit protection • location of fuses and circuit breakers • precautions to be taken when operating electrical service • instruments operated by electrics
Fuel systems may include:	• use of a schematic diagram of fuel system to explain layout and normal operating procedures

	- likely faults that may affect fuel system - full fuel capacity and fuel grade
Heating, ventilation and pressurisation systems may include:	- normal procedures to operate and control system - likely faults that may affect heating, ventilation and pressurisation system - precautions to be complied with
Hydraulic systems may include:	- use of a schematic diagram of hydraulic system to explain layout and normal operating procedures - likely faults that may affect hydraulic system - units or services operated by hydraulics - type of hydraulic fluid, operating pressure and capacity of reservoir
Oil systems may include:	- use of a schematic diagram of oil system to explain functions of oil system - likely faults that may affect oil system - number of tanks, capacity and oil grade - oil sources of auxiliary systems - normal, minimum and maximum oil pressure and temperature - operation of oil cooling system
Pitot/static systems may include:	- use of a schematic diagram to explain layout and operation of pitot/static system - heating source of pitot system - methods of detecting pitot/static system problems - procedures to rectify static system problems - location of pitot and static pressure source - location of static drain points
Pressurisation systems may include:	- pressurisation failure warning indications fitted to aircraft type flown - function of bleed air with respect to an aircraft pressurisation system - recall of maximum pressure differential for aircraft type flown - symptoms, indications and warnings that may indicate failure of pressurisation system - automatic depressurisation system operation procedures after landing - physiological symptoms of hypoxia

	- physical and psychological hazards that could occur during a rapid decompression - cabin altitude above which supplementary oxygen must be used by crew and passengers
Retractable undercarriage may include:	- cockpit indications for undercarriage down and locked - cockpit indications for undercarriage retracted
Suction system may include the following:	- use of a schematic diagram of suction system to explain function of suction system - source of suction pressure - normal operating pressure - instruments operated by suction pressure - warning system to indicate suction pump failure
Traffic and collision avoidance systems (TCAS) may include:	- surveillance and collision - avoidance functions of TCAS II - system limitations, selectivity and inhibits - basic components of TCAS II - identification and demonstration or explanation of function of cockpit controls - TCAS II visual displays and symbology - functions of audio alerts and annunciations - appropriate non-pilot crew response to multiple TCAS II events, and parallel runway approach conflicts
Automated systems and their limitations may include:	- workload management procedures for utilising automated systems - warning systems/indicators to identify automated systems failure - principles of operation of autopilot system - likely faults that may affect autopilot system
AVIW0036 Complete aircraft and flight equipment pre- and post-flight actions	
Aircraft publications may include:	- aviation maintenance documentation - checklists - flight manuals - organisational policy and procedures manuals
Aircraft documentation may include:	aeronautical information publication (AIP)

	• aircraft flight manual (AFM) • approved checklists • charts • in a Defence context, relevant Defence Orders and Instructions • induction and training materials • operations manuals • pilot operating handbook (POH) • relevant sections of Civil Aviation Safety Regulations (CASRs)
Workplace procedures, instructions, and relevant legislation and regulations may include:	• CASRs and Civil Aviation Orders related to aircraft maintenance • state/territory environmental protection • national and state/territory WHS • relevant Australian standards
AVIW0037 Deliver pyrotechnics and handheld stores	
Pyrotechnics or handheld stores may include:	• chaff • expendable mobile anti-submarine warfare training targets (EMATTS) • flares • heliboxes • life rafts • marker marines • search and rescue (SAR) datum buoys • signal underwater sound • smoke • sonobuoys
Relevant documentation may include:	• aeronautical information publication (AIP) • approved checklists • flight manual/pilot operating handbook (POH) • operations manuals • workplace procedures and instructions, and job specification
Relevant legislation and regulations may include:	• Civil Aviation Safety Regulations (CASR) • Civil Aviation Orders • environmental management plans

AVIW0038 Manage aircraft sensor system	
Sensor systems may include:	• airborne surveillance radar • acoustics • communications systems • electro optical systems • electronic support measures • forward looking infra-red (FLIR) • magnetic anomaly detection systems • visual observations
AVIW0039 Perform down the wire duties	
Winch operation environments may include:	• bushfire affected areas • confined areas • forest/bush • mountainous areas • over land • over water • pinnacles • ship/boat transfers
Winching equipment may include:	• double lift harness • emergency slings • extension strop • hi-line transfer equipment • rescue litter • rescue net • rescue strop • rope harness sling • single rescue sling • stretchers • transfer equipment and message bag
Hand signals may include:	• aircraft go around • all clear

	• boom in/out • cease movement • come up/down • emergency descent • hoist in/out • hoist up/down • move left/right • ready to be hoisted • stop hoisting
Information and documentation may include:	• aeronautical information publication (AIP) • approved checklists • charts • conditions of service, legislation and industrial agreements, including workplace agreements and awards • flight manual/pilot operating handbook (POH) • induction and training materials • in a Defence context, relevant Defence Orders and Instructions • operations manuals • workplace procedures and instructions, and job specification
AVIW0040 Rappel from a helicopter	
Personal protective equipment (PPE) may include:	• eye protection goggles • footwear • hearing protection • helmet • high visibility clothing • leg bags • life jacket • personal lighting and beacons • protective clothing • rappelling gloves
Hazards may include:	• buildings • dust

	• livestock • masts/aerials • native fauna • poor visibility • public • terrain • trees • vehicles • weather conditions • wire/power lines/fences
AVIW0042 Apply remotely piloted aircraft operations and procedures	
Fail-safe systems and emergency actions of an RPA may include:	• carbon fibre containment in the event of a crash • emergency parachute deployment • flight termination • geofencing properties and usage • immediate landing • regain link holding pattern • the "return to home" system • the RPA files to a predetermined holding point
General operational considerations may include:	• bystanders • crew briefing • starting and ground running of motors/engines
Operation of a RPA near an aerodrome may include:	• limitations on the operation of an aerodrome if it has more than one runway • location of the movement area of the aerodrome • process of obtaining a permissions, approval or exemption (of what?) • prohibitions in Part 101 of CASR relating to operating an RPA • runways in use at an aerodrome • structure of the approach and departure paths for aerodromes • traffic patterns at aerodromes
Operations of RPA above 400 feet above ground level (AGL) may include:	• aeronautical radio use and qualifications • airspace classification

	- identifying the location of non-controlled aerodromes - the process to obtain a permission, approval or exemption - use of RPA observers
Operations of an RPA using a tether may include:	- approvals - calculating tether length IAW MOS - define - emergency situations - MTOW and payloads - define - no-fly zone (NFZ) - where can you tether - who can tether - why use a tether
Remote pilot responsibilities may include:	- maintaining operational, remote pilot and technical logs - operator's documented practices and procedures - Part 101 of CASR (relevant regulations)
AVIW0043 Manage energy sources for remotely piloted aircraft systems	
Battery characteristics may include:	- balance plug - battery configuration - parallel - series - capacity - cell count - discharge rate - main power plug - maximum current draw - nominal voltage
Battery limitations may include:	"continuous C-rating" and "maximum burst C-rating" - battery checkers - battery serviceability - Trade-off between battery size and flight endurance of an electrically-powered remotely piloted aircraft

Characteristics of radio waves, wave propagation, transmission may include:	• radio frequency band ranges (MF, HF, VHF, UHF) • effective range of transmissions • factors affecting the propagation of radio waves including: - interference from electrical equipment - ionosphere - sunspot activity - terrain - thunderstorms • radio characteristics, optimisation and shielding: - command and control link range testing - digital and analogue signals - radio frequencies for RPA operations
Charging and discharging batteries may include:	• cell balancing in multi-cell batteries • charging procedures for batteries • discharging procedures for batteries • state of charge of a battery with reference to capacity and voltage
Electric motor types may include:	• current draw through the motor in relation to rotor or propeller diameter or pitch • current draw through the motor in relation to rotor or propeller loads • determination of appropriate kilovolt
Electrical components used in remotely piloted aircraft may include:	• aerials/antennas • altimeters (radio, radar, laser, acoustic) • battery eliminator circuit • circuit breakers and fuses • collision avoidance sensors • electronic speed controller • flight batteries • global positioning system (GPS) receivers • receiver and remote receivers • receiver batteries • servomechanisms • telemetry module

Electrical terms may include:	• amps • hertz • ohms • volts • watts
Electromagnetic signal reliability and hazards may include:	• electromagnetic interference • long term evolution (LTE) and wireless (Wi-Fi) • powerlines
Energy sources may include:	• cell count • nominal voltage
Factors affecting the performance of global positioning systems may include:	• indications of faulty GPS equipment • number of satellites available • path interference • signal availability • type of software
Types of batteries may include:	• alkaline • fuel cells • lithium polymer • nickel cadmium • nickel metal hydride
AVIW0044 Use automated flight management systems for remotely piloted aircraft	
Abnormal or emergency situations may include:	• loss of control • loss of thrust
Degraded automated flight management systems may include:	• inertial measurement unit • no global positioning system
AVIW0045 Capture data for operations using remotely piloted aircraft systems	
Capturing data of infrastructure may include:	• cables • electricity pylons • gas pipelines

	• rail • roads
Environmentally sensitive areas may include those that are:	• biologically susceptible • dangerous areas • noise sensitive • populated areas • restricted areas • urban areas
AVIW0046 Conduct aerial search using remotely piloted aircraft	
Search pattern types may include:	• contour • creeping line • expanding square • parallel track • sector search
AVIY0092 Conduct airborne extraction operations	
Airborne extraction supervisory personnel may include:	• airborne team leader • airborne safety officer • aircrewman • chalk commander • drop master • loadmaster • observer • pilot • rappel dispatcher • rescue crewman
Airborne extraction equipment may include:	• attachment devices • caving ladder • eye goggles • head protection • hearing protection • rappelling attachment device

	• rappelling gloves • rappelling harness • suspended extraction ropes
AVIY0093 Conduct airborne rappelling operations	
Airborne rappelling supervisory personnel may include:	• airborne team leader • airborne safety officer • aircrewman • chalk commander • drop master • loadmaster • observer • pilot • rappel dispatcher • rescue crewman
Airborne rappelling equipment may include:	• attachment devices • eye goggles • fast ropes • head protection • hearing protection • rappelling attachment device • rappelling gloves • rappelling harness • rappelling ropes
Helicopter safety hazards may include:	• fauna • flora • foreign object damage (FOD) • loss of visual reference • man-made structures • meteorological conditions • other aircraft • ship movements • ship structures and rigging

	• smoke • terrain
AVIY0094 Conduct external load-lift operations	
Aerial delivery equipment may include:	• cargo nets • chains • clevis assemblies • D rings • drogue chutes • firefighting buckets • hooks • lifting slings • pallets • pendant assemblies • rigging cordage • semi-rigid strops • shackles • single link assemblies • strops • swivel assemblies
AVIY0096 Apply basic aeronautical knowledge for remotely piloted aircraft systems	
Aerodynamics, weight and balance terminology may include:	• aerofoil, angle of attack and relative airflow • Bernoulli's principal • centre of pressure and centre of gravity • Coanda effect • lift, weight, thrust and drag • Newton's third law
Aeronautical units of measurement may include:	• atmospheric pressure • horizontal distance • speeds • temperature • vertical distance

	• visibility • weight
Aircraft energy may include:	• inertia • kinetic energy • potential energy
Basic weight and balance principles may include:	• arm, moment, datum, station and index unit • centre of gravity limits • empty weight • loading limits • maximum gross weight • operating weight
Direction of flight terminology may include:	• 3 figure group • cardinal and ordinal compass points • clock code
Features of remote pilot station may include:	• antennas and aerials • command and control link • flight controls • non-payload communications • other controls • power supply. • software including firmware and updates • telemetry • transmitter
Flight control principles of operation may include:	• angle and rate of climb • longitudinal, lateral and vertical axes • movements • pitch, roll and yaw • skid and slip • speed • trim controls
Types of drag may include:	• induced (lift dependent)

	• parasite (zero lift), form, interference and skin friction
Relevant laws of physics that impact aerodynamics may include:	• Bernoulli's principal • Coanda effect • Newton's third law
AVIY0097 Operate powered-lift remotely piloted aircraft systems	
Abnormal situations may include:	• demonstrating operating the RPA to avoid a vortex ring state • demonstrating or simulating recovery from a vortex ring state to a safe landing • identifying conditions that may lead to a vortex ring state
Angle of descent and attitude may include:	• aircraft nose position • flap • power
Characteristics of an aerofoil may include:	• aerodynamic stall • aspect ratio • camber • chord • span • wing loading
Definitions of the following terms may include:	• ground effect • induced airflow • recirculation • relative airflow • rotational airflow • rotor drag • rotor thrust
Effect of increasing or decreasing bank angle may include:	• stall airspeed, including the rate of increase of stall speed with increasing bank • the aircraft's structure (load factor)
Effects on the stall airspeed may include:	• air density • airframe frost and ice • flap

	• horizontally/vertically-vectored power • manoeuvres • weight
effect on climb rate and angle may include from changes in:	• a headwind or tailwind • airspeed • bank angle • power • pressure altitude • temperature • weight
Location and function of electrical components of the RPA may include:	• battery eliminator circuit • battery or batteries • electronic speed controllers • flight controller • GPS sensor and antenna • gyros/Inertial Management Unit • receiver and antenna
Managing loss of thrust in other than vertical flight may include:	• applying the highest priority to taking action to control the RPA • confidently stating the actions being performed • identifying correctly loss of thrust after the RPA has been launched • maintaining control of the RPA • manoeuvring the RPA to achieve the safest possible outcome • performing initial actions from memory, consistent with the operator's policies and procedures
Physical components of an RPA may include:	• aerals • drains • fail-safe equipment • hatches • protective components of the RPA • rotors and propellers • the battery compartment/mounting • the fuselage

	- the landing gear - the motor attachments, including booms - the motors/engines(s) - vents
Precautions during steep turns may include:	- during a glide, particularly on approach to land - shortly after launch
Primary flight controls and how they affect the movement of the aircraft about its longitudinal, lateral and vertical axes may include:	- forward flight and turning using vertical motors - GPS hold - pitch control - roll control - secondary flight controls — trim controls - stabilisation - vertical ascent and descent - yaw control
Typical features of the wings of the RPA may include:	- ailerons - elevon/flaperon - flaps - leading and trailing edges - servomechanisms
AVIY0098 Operate multirotor remotely piloted aircraft systems	
Aerodynamic properties of rotor blades may include:	- aerofoil shape - blade twist - blade taper
Changes to performance may be affected by:	- ground effect - power - weight - wind
Components of a remotely piloted aircraft may include:	- arm attachments - battery mounting - centre body - landing gear

	- motors and motor attachments - other components
Definitions for relevant terms may include:	- induced airflow - relative airflow - rotational airflow - rotor drag - rotor thrust - torque reaction
Descending, landing and recovery impacts may include:	- advantages of landing or recovery into the wind - avoiding vortex ring state when operating the RPA - pre-landing checks - recovery actions to escape vortex ring state
Electrical components of a remotely piloted aircraft may include:	- batter - batter eliminator circuit - electronic speed controllers - flight controller - global positioning system sensor and antenna - gyros and inertial management unit - receiver and antenna
Flight control operations and how they affect the movement of a multirotor about its longitudinal, lateral and normal vertical axes may include:	- forward operation ascent and descent - hover - lateral horizontal operation - yaw control
Flight control operations may include:	- GPS hold - stabilisation
Launch checks may include:	- pre-launch - post launch

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Simulating emergency manoeuvres may include:	• avoiding a collision with another aircraft • avoiding other risks to the safe operation of the RPA (including bird attack) • landing the RPA safely in a confined landing area
Types of turning may include:	• banked turns • limitations on steep turns • rotations of flat turns
Unusual aircraft attitudes may include:	• identifying unusual attitude of the RPA during flight • recovering the RPA from unusual attitudes and returning to controlled and balanced operation
AVIY0099 Operate fixed wing remotely piloted aircraft systems	
Characteristics of an aerofoil may include:	• aerodynamic stall • aspect ratio • camber • chord • span • wing loading
Components on the fuselage may include:	• aerials/antennas • airdrop launch attachment • catapult attachment • drains • fail-safe equipment • hatches • vents
Components on the tail may include:	• elevator/stabilator • rudder • vertical stabiliser
Components and features of the wings may include:	• ailerons

	• elevon/flaperons • flaps • leading and trailing edges • servomechanisms
Undercarriage and recovery fittings may include:	• brakes • floats • hook/skid • steering mechanism • wheeled undercarriage
Effects on stall airspeed may include:	• air density • airframe frost and ice • flap • manoeuvres • power • weight
Hand launching may include:	• demonstrating the correct way to hold the RPA pre-launch • demonstrating the necessary precautions when hand launching • ensuring the flight path for launching the RPA is clear of other aircraft, people and other hazards before launch • following plan of action to ensure the safest outcome in the event of abnormal operation
Managing loss of thrust at launch may include:	• applying the highest priority to taking action to control the RPA • confidently stating the actions being performed • correctly identify loss of thrust after the RPA has been launched • maintaining control of the RPA • manoeuvring the RPA to achieve the safest possible outcome • performing initial actions from memory consistent with the operator's documented practices
Performing stall recovery may include:	• minimising height loss for simulated low altitude condition • positively reduce angle of attack • re-establishing desired flight path, and controlled and balanced operation of the RPA

	• using power available and available height to maximise the aircraft energy state
Recovery from manoeuvres may include:	• incipient stall • stall when climbing, when descending, during an approach to land configuration and when turning • stall with full power applied • stall without power
Repositioning for landing may include:	• making allowance for wind velocity during go-around • manoeuvring the RPA clear of the ground and conducting after launch procedures • selecting power, attitude and configuration to safely control the RPA
Taxiing on ground or water may include:	• applying correct handling techniques to take wind into account • avoiding causing a hazard to another aircraft, objects or persons • maintaining safe spacing from obstructions, and persons • maintaining safe taxi speed and control of the RPA • performing applicable taxi checks • using checklists at appropriate times during ground operations
Turns may include:	• conducted within a nominated area • level turns are at a constant altitude • properly co-ordinated
AVIY0100 Conduct aerial application operations using remotely piloted aircraft systems	
Application area evaluation may include:	• environmental hazard factors • meteorological conditions • regulations and requirements with aerial applications • aviation risk and fatigue risk management processes • factors to be considered when determining payload weights for aerial application • low-level flight safety hazards and risks • meteorological factors affecting aircraft flight performance during low-level flight • planning and risk management associate with aerial applications • relevant aerodynamics and aircraft performance • terrain following techniques

AVIY0101 Apply payload and configuration management principles for remotely piloted aircraft systems	
Aircraft design mass may include:	• maximum landing mass • maximum take-off mass • maximum taxi mass • maximum zero-fuel mass
Aircraft mass, balance and control definitions may include:	• basic operating mass (BOW) • dry operating mass (DOW) • zero-fuel mass (ZFW)
Critical engine failure speed V1 characteristics may include:	• flap position • landing area slope • landing braking coefficient • mass • pressure altitude • temperature • wind component
Express terms of speed may include:	• designed dive speed • indicated airspeed (IAS) • mach number • maximum operating speed • normal operating speed
IATA (International Air Transport Association) load sheet information requirements and compilation may include:	• aircraft registration • deadload distribution – baggage, cargo and mail • details of dangerous goods (NOTOC) • details of live and perishable cargo • dry operating mass and dry operating CG • flight number • landing mass • landing mass CG (MAC %) • launch mass CG (MAC %) • passenger distribution

	• zero fuel mass • zero-fuel CG
Mass and balance calculations may include	• arithmetical • graphical • mass x arm = moment • total moments = arm of CG • use of automated systems
Maximum payload limitations may include:	• CG • dangerous goods • differences between DOW and MZFW • passenger capacity • ramp unload and reload limitations • volumetric, floor and loading limitations
Operating mass definitions and application to load planning may include:	• BOW • BOW + crew, crew bags, catering and spares = DOW • DOW + payload/passenger load = ZFW • DOW + take-off fuel = operating mass (OW) • TOW – fuel consumed en route = landing mass (LDW) • TOW – take-off fuel = ZFW • TOW + taxi fuel = taxi mass • ZFW + payload/passenger load = take-off mass (TOW)
Ramp mass or taxi mass may include:	• LDW • TOW

ATTACHMENT F: CVIG – Quality Assurance Process

Quality Assurance Process

A CVIG is initiated in accordance with the requirements of the Standards for Training Packages.

The steps in the Quality Assurance (QA) process as they apply to the CVIG are:

1. The CVIG is developed by ISA in accordance with Standards 11 and 12:
 - **Standard 11:** A quality assured CVIG produced by the Training Package developer is available at the time of endorsement and complies with the CVIG template
 - **Standard 12:** Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required
2. The Implementation Guide is designed to assist assessors, trainers, training providers and enterprises to deliver nationally endorsed industry training packages.
3. Content is validated and amended as part of the validation stage in the implementation of the Standards.
4. The CVIG is submitted for QA with the Training Package changes, to ensure it is available at the time of endorsement.
5. The CVIG is reviewed by ISA to ensure mapping tables are updated and any additional information is added as required. Proposed changes are subject to industry validation as part of the endorsement process.
6. Where changes are made to a Training Package and minor amendments are required for the CVIG, ISA includes amendments as part of the validation phase and incorporates the reference in the version control modification history at the front of the CVIG.

ATTACHMENT G: Companion Volume Implementation Guide Template

COMPANION VOLUME IMPLEMENTATION GUIDE FOR AVI AVIATION TRAINING PACKAGE

Mandatory field

OVERVIEW

INFORMATION

Mandatory field

- Version control and modification history.
- List of AQF qualifications, Skill Sets and Units of Competency in the Training Package.
- Unit mapping information, including equivalence table linking old to new Units of Competency.
- Qualification mapping information, including equivalence table linking old to new qualification.
- List of imported and prerequisite units in the Training Package.
- Key work and training requirements in the industry.
- Regulation and licensing implications for implementation.

IMPLEMENTATION INFORMATION

Mandatory field

- Information on the key features of the Training Package and the industry that will impact on the selection of training pathways.
- Industry sectors and occupational outcomes of qualifications.
- Explanation of any mandatory entry requirements for qualifications.
- Pathways advice, particularly in line with requirements of the AQF Pathways Policy.
- Access and equity considerations.
- Foundation Skills.
- Advice on any health and safety implications in the industry.
- Resource and equipment lists relevant to the Training Package.
- Legal considerations for learners in the workplace/on placements.
- Other information relevant to implementation of the Training Package.

LINKS

Optional field

- Resources supporting the companion volume implementation guide.
- Other companion volumes as required including:
 - Learning strategies guidance, describing the diversity of learners and learning strategies.
 - Knowledge guidance, identifying contextual information such as knowledge requirements and resources.
 - Assessment strategies, providing guidance on implementation of assessment requirements.
- Training Package developer's quality assurance process for companion volumes.