

AVI50215 Diploma of Aviation (Commercial Pilot Licence – Aeroplane) – Bronze course

Summary of Evidence included in portfolio “Summary table”

List here any evidence you have ticked, and/or other evidence you are providing for this unit of competency, so that your RTO assessor can refer to it in your portfolio, please ensure that your item numbers are consistent with that of your portfolio documentation.

Item no.	Unit of competency / Performance Criteria	Source of the Evidence	Description of Evidence	Date	Verified / Assessor Initial
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AVIE4001 Maintain aircraft radio communication

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to implement aviation risk management processes, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes operating radio equipment, managing radio equipment malfunctions and operating transponders.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft radio operator duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of a recreational, commercial and military aircraft across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

E – Communication and Calculation

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIE4001>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

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Recognition of Prior Learning Evidence Portfolio.V1.2018

AQTF Ref 1.5



This unit replaces and is equivalent to AVIE4001B Maintain aircraft radio communications

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIE4001>



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AVIE4001 Maintain aircraft radio communication

Element Elements describe the essential outcomes.	Performance Criteria Performance criteria describes the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Operate radio equipment	1.1 Serviceability of radio equipment is confirmed		
	1.2 Transmission and receipt of radio communications is conducted using appropriate procedures and phraseology		
	1.3 A listening watch is maintained and applicable transmissions responded to appropriately		
	1.4 Appropriate emergency and urgency transmissions are conducted		
2. Manage radio equipment malfunctions	2.1 Radio failure procedures are performed as required		
	2.2 Fault-finding procedures and corrective actions not involving special tools or instruments are employed		
3. Operate transponder	3.1 Aircraft transponder is operated and monitored in accordance with the aeronautical information publication (AIP) during normal operations		
	3.2 Aircraft transponder is operated and monitored in accordance with the AIP during abnormal and emergency operations		



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AVIF0011 Manage aircraft passengers and cargo

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to implement threat and error management strategies, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National operating standards.

It includes managing passengers during normal operations, managing passengers during an abnormal or emergency situation, and managing cargo.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to the safety management duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military activities across a variety of operational context within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence orders, instructions, publications and regulations.

Pre-requisite Unit

Not applicable

Competency Field

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIF0011>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Passenger briefing topics must include one or more of the following:	<ul style="list-style-type: none"> • Aiding and assisting passengers • Controlling cabin temperature • Demonstrating how to secure and release seat belts and/ or safety harness • Demonstrating how to securely slow hand luggage • Demonstrating how to use flotation devices as required • Demonstrating how to use fresh air vents • Demonstrating how to use oxygen equipment as required • Demonstrating how to use safety equipment • Emergency procedures on the ground and in the air • Exercising control of passengers on the ground and in the aircraft • Explaining operation of doors and escape hatches • Explaining precautions to avoid interference with flight controls • Explaining smoking requirements • Flight details • Indicating the location of airsickness bags • Location of emergency exits • Managing passengers in an emergency
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Unit Mapping Information

The unit replaces and is equivalent to AVI4012B Manage aircraft passengers and cargo

Links

Companion Volume Implementation Guide at:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIF0011>

AVIF0011 Manage aircraft passengers and cargo

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Manage passengers during normal operations	1.1 Passengers are briefed on safety, normal and emergency procedures before flight in accordance with regulatory requirements, orders and operations manual		
	1.2 Passengers safety, comfort and wellbeing is provided for in accordance with regulatory requirements and workplace procedures		
	1.3 Passengers are managed on the ground and in the air in accordance with regulatory requirements, orders and operations manual		
2. Manage passengers during an abnormal or emergency situation	2.1 Passengers are warned of potential hazardous conditions and emergencies during flight, and are briefed about related safety and emergency procedures in accordance with regulatory requirements, orders and operations manual		
	2.2 Passengers are advised of nature of emergency and the procedures and precautions to be followed		
	2.3 Clear communication is established and maintained with passengers		
	2.4 Passengers are managed during an emergency in accordance with regulatory requirements and workplace procedures		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
3. Manage Cargo	3.1 Cargo is managed in accordance with regulatory requirements and workplace procedures		
	3.2 Cargo calculations are completed in accordance with workplace procedures and regulatory requirements		
	3.3 Dangerous goods are identified and procedures are applied to ensure safety and security of people and cargo.		



AVIW4001 Manage pre-and post-flight actions

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to manage pre-and post-flight actions, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes completing pre-and post-flight administration, performing pre-and post-flight actions/inspections, and performing and certifying daily inspections.

This unit addresses aviation technical skill requirements (physical, mental, social and task-management abilities) related to equipment and system operations of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

W – Equipment and systems operations

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIW4001>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIW4001B Manage pre- and post-flight actions

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 2. ISC upgrade - a statement relevant to Defence Aviation has been added to the Application of the unit.

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIW4001>



AVIW4001 Manage pre-and post-flight actions

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Complete pre- and post-flight administration	1.1 Pre- and post-flight planning and documentation is completed in accordance with regulatory requirements and/or operations manual		
	1.2 Aircraft take-off and landing performance is calculated in accordance with performance charts		
	1.3 Aircraft weight and balance is confirmed		
	1.4 Pre-and post-flight maintenance release (flight technical log) and flight administration is completed in accordance with regulatory requirements and/or operations manual		
	1.5 Aircraft serviceability is determined by daily inspection, and certification of daily inspection in maintenance release (flight and technical log) is completed in accordance with regulations		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
2. Perform pre-and post-flight actions/ inspections	2.1 Equipment and documentation as required by regulation, is identified and secured in aircraft pre-flight		
	2.2 hazards are identified, risks are assessed and hazard management is implemented		
	2.3 Internal checks are completed in accordance with approved checklists		
	2.4 External checks are completed in accordance with approved checklists		
	2.5 Flight equipment and documentation are removed from aircraft post-flight		
	2.6 Aircraft is secured in accordance with manufacturer specifications and organisational procedures		
3. Perform and certify daily inspection	3.1 Daily inspection of aircraft is performed in accordance with authorised aviation maintenance systems		
	3.2 Appropriate actions are undertaken to rectify discrepancies		
	3.3 Daily inspection is certified in accordance with regulatory requirements		



AVIY4001 Control aeroplane on the ground

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to control an aeroplane on the ground, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes starting and stopping an aeroplane engine, and taxiing an aeroplane.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIY4001>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4001B Control aeroplane on the ground

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIY4001>

AVIY4001 Control aeroplane on the ground

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Start and stop engine	1.1 Pre-start and after start checks are completed in accordance with aircraft flight manual (AFM)/pilot's operating handbook (POH)		
	1.2 Engine is started and shut down in accordance with AFM/ POH		
	1.3 Emergencies are managed in accordance with ARM/POH and regulatory requirements		
	1.4 Pre- and after shutdown checks are completed in accordance with AFM/POH		
	1.5 Manufacturer limitations are complied with and deviations are reported as required.		
	1.6 Aeroplane is positioned to ensure safety when starting engine		
2. Taxi Aeroplane	2.1 Automatic terminal information service (ATIS) reports and taxi clearance are obtained as required		
	2.2 Aeroplane control and safe taxi speed is maintained in accordance with prevailing aerodrome, traffic, surface and weather conditions.		
	2.3 Bake serviceability and functionality checks are performed clear of conflicting traffic and other hazards to confirm serviceability		
	2.4 Instrument checks are conducted and altimeter settings are adjusted to confirm serviceability prior to aircraft departure.		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
2. Taxi Aeroplane continued	2.5 Engine handling and braking on the ground is in accordance with AF/POH		
	2.6 Airfield markings/lights/ signs/ indicators are interpreted and complied with		
	2.7 Lookout is maintained and right-of-way rules are adhered to while complying with applicable air traffic control (ATC) or marshalling instructions		
	2.8 Adverse effect of propeller slipstream or jet wash on other aeroplanes, aerodrome facilities and personnel is avoided		
	2.9 Taxi path is inspected when surface conditions are obscured		



AVIY4002 Take off Aeroplane

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to take off in an aeroplane, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes carrying out pre – take – off procedures, conducting an aeroplane take-off, and performing a rejected take – off procedure.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIY4002>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4002B Take off Aeroplane

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIY4002>



AVIY4002 Take off Aeroplane

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Carry out pre-take-off procedures	1.1 Critical take-off airspeeds, aircraft configuration, and emergency and abnormal procedures for normal and cross-wind- take-offs correctly identified		
	1.2 Pre-take-off is completed		
	1.3 Approved pre-take off and line up checklists are completed in accordance with flight manual/pilot's operating handbook (POH) or company operations manual.		
	1.4 Correction for existing wind component to the take-off performance is verified and correctly applied.		
	1.5 Runway approach path is visually cleared of conflicting traffic and other hazards prior to lining up for take-off		
	1.6 Aeroplane is aligned with runway centre line in take off direction		
	1.7 Air traffic control (ATC) clearances are obtained as required		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
2. Conduct Aeroplane take off	2.1 Take-off power is applied, Aeroplane is maintained aligned with centre of runway with wings maintained level and rotated at manufacturer recommended speed to achieve planned climb performance		
	2.2 Aeroplane is configured for nominated climb profile, and tracking on centerline of runway is maintained during take off		
	2.3 Power controls, settings, and instruments during take-off are monitored to ensure all predetermined parameters are achieved and maintained.		
	2.4 Lookout is maintained using a systematic scan techniques at a rate determined by traffic density, visibility and terrain.		
	2.5 Separation with all circuit traffic is maintained		
	2.6 Radiotelephone listening watch is maintained		
	2.7 Local and published noise abatement requirements and curfews are observed		
	2.8 After take-off checks are performed in accordance with approved checklists		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
3. Perform rejected take-off	3.1 Requirements to abort/reject take-off is identified		
	3.2 Power is reduced smoothly and promptly		
	3.3 Braking devices are activated		
	3.4 Control is maintained to bring Aeroplane to a safe stop		
	3.5 Associated procedures and/or checklists are initiated and completed		



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AVIY4003 Control Aeroplane in normal flight

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to control an Aeroplane in normal flight, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes climbing an Aeroplane, maintaining straight level flight, descending and Aeroplane, and turning an Aeroplane. It also includes controlling an Aeroplane at slow speed, performing circuits and approaches, and complying with airspace requirements.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIY4003#>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4003B Control aeroplane in normal flight

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIY4003#>



AVIY4003 Control Aeroplane in normal flight

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Climb Aeroplane	1.1 Adjustments are made to altitude and power to achieve an increase of altitude at normal, maximum rate(VY), maximum angle (VX0 and cruise conditions of flight during straight and turning manoeuvres.		
	1.2 Aeroplane is maintained in balanced flight and trimmed.		
	1.3 Aeroplane is levelled off from climb at nominated altitude using standard Aeroplane procedures.		
	1.4 Flight path clearance is ensured		
	1.5 Climb checks are completed		
	1.6 Air Traffic control (ATC) altitude restrictions are observed		
2. Maintain straight and level flight	2.1 Power, altitude and configuration are set to achieve straight and level flight		
	2.2 Aeroplane is maintained in balanced flight and trimmed		
	2.3 Altitude and heading are maintained with tolerances		
	2.4 Flightpath clearance is ensured		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
3. Descend Aeroplane	3.1 Power, altitude and configuration are set to achieve descent during glide, power assisted flight and approach profiles		
	3.2 Aeroplane is maintained in balanced flight and trimmed		
	3.3 Aeroplane is levelled from a descent at a normal altitude		
	3.4 Flight path clearance is ensured		
	3.5 ATC altitude restrictions are observed		
	3.6 Aeroplane operating limits are not exceeded during descent		
	3.7 Effects of undercarriage and flaps are managed		
	3.8 Descent checks are completed		
4. Turn Aeroplane	4.1 Airspace cleared procedure is carried out		
	4.2 Heading is altered in balanced flight during level, climbing, descending and gliding manoeuvres and turns are performed at varying rates to achieve specified tracks.		
	4.3 Turn on to nominated heading or geographical feature is achieved		
	4.4 Aeroplane operating limits are maintained during turns		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
5. Control Aeroplane at slow speed	5.1 Pre-manoeuve checks are completed in accordance with operating procedures		
	5.2 Aeroplane is flown at minimum clean approach speed and at minimum landing configuration approach speed as specified in aircraft flight manual (AFM)/Pilot's operating handbook (POH) in balanced flight		
	5.3 Height awareness is maintained during slow speed flight		
	5.4 Positive control responses are implemented and reduced		
	5.5 Stall warnings, cautions and indications are monitored during slow speed flight		
	5.6 Recovery to cruise speed is achieved while maintaining height		
6. Perform circuits and approaches	6.1 Traffic patterns are conducted in accordance with aeronautical information package (AIP) procedures appropriate to the Aeroplane type with allowance for wind velocity on all legs of the circuit.		
	6.2 All checks are completed and radiotelephone procedures are followed		
	6.3 Approach path is appropriately intercepted and maintained in a manner applicable to Aeroplane type, while remaining clear of other traffic.		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
6. Perform circuits and approaches Continues	6.4 Traffic conflict or adverse flight conditions are recognized when they arise and go-around is performed from any position in the traffic pattern.		
	6.5 Right of way rules are applied and complied with		
	6.6 Radio listening watch is maintained in accordance with established procedures		
	6.7 Aeroplane is configured for landing		
7. Comply with airspace requirements	7.1 While Aeroplane is maintained within a specified area, compliance is maintained with air traffic requirements and restricted, controlled and other appropriately designed airspace		
	7.2 Appropriate reactions are made to factors that may affect the safe progress of the flight		
	7.3 Awareness of aeroplane position is maintained using charts and geographical features		
	7.4 Radio listening watch is maintained in accordance with established procedures		
	7.5 Weather condition are monitored and appropriate action is taken		
	7.6 Local and published noise abatement requirements and curfews are observed.		



AVIY4004 Land Aeroplane

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to land an Aeroplane, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes conducting Aeroplane landings and managing mishandled landings.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIY4004>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4004B Land Aeroplane

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIY4004>



AVIY4004 Land Aeroplane

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Conduct Aeroplane landing	1.1 Aeroplane is landed at a controlled rate of descent with alignment above the run way centerline, within a specified area without draft, and directional control is maintained		
	1.2 Existing wind conditions are confirmed, drift corrections are applied, precise ground track is maintained, and Aeroplane is configured for cross-wind landing conditions as required		
	1.3 Ballooning and bouncing are minimized and controlled in accordance with established Aeroplane landing procedures		
	1.4 Positive directional control is maintained, and cross -wind corrections are applied as required during the after-landing roll.		
	1.5 After-landing checks are performed in accordance with approved checklist		
	1.6 Separation with conflicting air and ground traffic is maintained		
	1.7 Runway is vacated when practicable		
	1.8 Aeroplane is stopped safely using drag and/or braking devices within available runway length		
	1.9 Landing clearance is obtained at appropriate airfields		
	1.10 Wake turbulence is avoided		
	1.11 Weather conditions are monitored		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
2. Manage mishandled landing	2.1 Conditional requirements for conducting a missed approach are recognized		
	2.2 Decision to perform missed approach and subsequent go-around is made safe landing cannot be achieved		
	2.3 Power, altitude and configuration are selected to safely control Aeroplane		
	2.4 Aeroplane is manoeuvred clear of the ground and after take-off procedures are conducted		
	2.5 Allowance for wind velocity is made during go-around		
	2.6 Wake turbulence is avoided		



AVIY4007 Manage aircraft fuel

Units of Competency

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to manage aircraft fuel, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and National Operating standards.

It includes planning fuel requirements, managing the fuel system, and refueling aircraft.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational environments.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment. Licensing, legislative, regulatory or certification requirements are applicable to this unit. Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

See below

Resource

<https://training.gov.au/Training/Details/AVIY4007>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

**Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4007B Manage aircraft fuel

Links

Companion Volume Implementation guide are found in VETnet:

<http://vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4725260a-Oaf3-4daf-912b-ef1c2f3e5816>

Assessment Requirements**Modification History**

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Performance Evidence – see assessment requirements PDF

Knowledge Evidence – see assessment requirements PDF

Assessment conditions – see assessment requirements PDF

Unit of competency – PDF

Assessment requirements – PDF

<https://training.gov.au/Training/Details/AVIY4007>

AVIY4007 Manage aircraft fuel

Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
1. Plan fuel requirements	1.1 Total en route and reserve fuel requirement is determined in accordance with regulatory requirements		
	1.2 Allowance is made for possible abnormal or emergency situation		
2. Manage Fuel system	2.1 Fuel system including pumps, engine controls and cross-feed systems are operated in accordance with aircraft flight manual (ARM)/Pilot's operating handbook (POH)		
	2.2 Fuel quantity on-board is verified using two independent methods		
	2.3 Fuel quality checks are completed before flight		
	2.4 Fuel usage and status is monitored throughout flight and fuel log is accurately maintained		
	2.5 Aircraft is configured to achieve desired profile, best range of endurance and operational endurance calculations are revised as required		
	2.6 Work health and safety (WHS)/occupational health and safety (OHS) procedures are followed at all times		
	2.7 Potential hazards are anticipated and precautions are applied		



Element Elements describe the essential outcome	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element.	Evidence to support my achievement of competence	
		Current and Recent Evidence - including mapping	Historical evidence (more than 2-3 years old) – including mapping
3. Refuel aircraft	3.1 Aircraft is refueled correctly in accordance with AFM/POH, WHS/OHS, regulatory requirements and workplace procedures		
	3.2 Appropriate precautions are taken to ensure the safety of personnel and property during refueling operations		