



Australian Government

AVIY5050 Provide aerodrome control services

Release: 3

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Modification History

Release 3. This is the third release of this unit of competency in the AVI Aviation Training Package.

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.

Application

This unit involves the skills and knowledge required to provide aerodrome control services during air traffic control (ATC) operations in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes managing aerodrome traffic zones, aerodrome manoeuvring areas and assuring separation.

This unit is applied to provide aerodrome control services in control towers equipped with surveillance capability and/or using procedural control practices.

This unit addresses:

- aviation technical skill requirements (physical, mental and task-management abilities) related to managing aerodrome traffic zones and aerodrome manoeuvring areas in which distance between aircraft as well as their relative positions and speed might compromise the safety of the aircraft operations
- ATC duties that complement the non-technical skills of Air Traffic Controllers and contribute to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of commercial and military air traffic services across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under supervision as a single operator or within a team 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

ELEMENTS

Elements describe the essential outcomes.

1 Manage aerodrome traffic zone and aerodrome manoeuvring area

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1.1 | Traffic priorities are applied in accordance with standard operating procedures (SOPs) |
| 1.2 | Service priorities are applied in accordance with that which is most safety critical |
| 1.3 | Hazards are identified, risks are assessed, and risk controls are implemented |
| 1.4 | Control practices and procedures are adjusted in accordance with changing aerodrome traffic zone and aerodrome environment factors |
| 1.5 | Systematic scan technique of aerodrome traffic zone and aerodrome is maintained |
| 1.6 | General and sector weather observations are conducted |
| 1.7 | Documented instructions and agreements applicable to jurisdictional area are applied |
| 1.8 | Non-compliance with control instructions and procedures is recognised and addressed |
| 1.9 | Taxiways are used to facilitate maximum use of runways |

	1.10	Runway mode selected is suitable and efficient for traffic flow
	1.11	Runways are operated dependently
	1.12	Runways are operated independently
	1.13	Control services are provided in accordance with airspace classification and status
	1.14	Airspaces are administered in accordance with user activity
	1.15	Aircraft are authorised to use aerodrome traffic zone and aerodrome
	1.16	Vehicles and pedestrians are authorised to use aerodrome manoeuvring areas
2	Assure separation	
	2.1	Conflicts are recognised and resolved
	2.2	Separation is provided
	2.3	Jurisdiction for maintaining aircraft separation is agreed and assigned
	2.4	Alternative separation is provided as required
	2.5	Separation is adjusted when systems are degraded, or airways facilities are reduced
	2.6	Most appropriate applied separation is provided taking into account safety, expedition and the method of control and surveillance
	2.7	Compromised separation is recognised and addressed

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.

Non-essential conditions can be found in the AVI Aviation Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to AVIY5050A Provide aerodrome control services.

Links

Companion Volume Implementation Guides are found in VETNet' -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>