Australian Government

AVIW5013 Operate air traffic control equipment and workstations

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 operate air traffic control (ATC) equipment and workstations in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes operating communications, surveillance and ancillary equipment; and using flight progress strips (FPSs) and flight data records (FDRs).

This unit assesses an Air Traffic Controller's ability to interact with a workstation human machine interface (HMI) and to operate the functions of the workstation that are critical to providing safe and efficient air traffic services.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to 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

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS		PERFORMANCE CRITERIA	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Operate communications equipment	1.1	Air-ground communications channels are operated
		1.2	Selective call and priority channels are operated
		1.3	Communications equipment is appropriately configured
		1.4	Communications malfunctions are recognised, reported and/or rectified
		1.5	Communications alarms and warning messages are actioned
2	Operate surveillance equipment	2.1	Surveillance system data is interpreted for pertinent operational information
		2.2	Surveillance malfunctions are recognised, reported and/or rectified
		2.3	Surveillance alarms and warning messages are actioned
3	Use flight progress strips or flight data records	3.1	FPSs or FDRs are manipulated to reflect current and future air traffic situation
		3.2	FPSs or FDRs are archived in accordance with workplace procedures
		3.3	FPSs or FDRs are included in scan pattern and cross-referenced for accuracy

4	Operate ancillary equipment	4.1	Ancillary equipment is configured and operated to tasks
		4.2	Ancillary equipment data is interpreted for pertinent operational information, and processed as required
		4.3	Ancillary equipment malfunctions are recognised and reported
		4.4	Ancillary equipment alarms and warning messages are actioned

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to AVIW5013B Operate air traffic control equipment and workstations.

Links

Companion Volume Implementation Guides are found in VETNet' - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816