



Australian Government

AVIE2005 Conduct radio procedures in an aviation operational environment

Release: 1

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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 conduct radio procedures in an aviation operational environment, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes identifying aviation communications system features, communicating using aviation communications technology, and maintaining aviation communications equipment systems and records.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aviation communications duties of aviation personnel, 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 contexts within the Australian aviation industry.

Work is performed independently or under limited 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

E – Communication and Calculation

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 Identify aviation communications system features

- 1.1 System features and control functions of aviation communications systems are identified
- 1.2 Equipment signals and alerts are monitored
- 1.3 Aviation communications channels are selected in accordance with aviation procedures

2 Communicate using aviation communications technology

- 2.1 Aviation communications systems are checked in accordance with manufacturer instructions and airport procedures
- 2.2 Aviation communications systems are operated in accordance with manufacturer instructions, airport procedures and regulatory requirements
- 2.3 Appropriate aviation communications channels are selected for location and type of communication
- 2.4 Clear, precise and unambiguous radio messages are sent with due regard to ethics, protocols and procedures
- 2.5 Aviation terminology and message structure are used when communicating using aviation communications technology
- 2.6 Incoming messages are received and answered promptly and courteously, in accordance with operating procedures and regulatory requirements
- 2.7 Non-procedural terminology is used as required to assist message clarity and understanding
- 2.8 Aviation communications protocols and procedures are followed when using communications systems during emergencies

3 Maintain aviation communications equipment systems and records

- 3.1 Communications systems are maintained in working order in accordance with manufacturer instructions
- 3.2 System faults are identified and minor faults are rectified in accordance with manufacturer instructions and procedures
- 3.3 Major system faults are reported in accordance with workplace procedures

- 3.4 Appropriate communications records are completed and processed in accordance with workplace procedures and aviation regulatory requirements

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.

Communications systems must include one or more of the following:

- approved aviation radios including:
 - personal
 - hand-held
 - vehicle mounted
 - citizen band (CB)
 - ultra high frequency (UHF)
 - very high frequency (VHF)
 - single-side band (SSB)

Worksite communication must include:

- active listening
- questioning to obtain information and/or to clarify information and understanding
- routine oral reporting
- two-way communication

Communication problems must include one or more of the following:

- incorrect assumption that message has been received and/or understood
- illegible writing or print
- misunderstanding
- noisy environments or communications channels
- not following correct communications protocols and procedures
- unfamiliar aviation or non aviation terminology
- use of non-standard vocabulary

Communications records must include one or more of the following:

- aerodrome or workplace communications procedures, protocols, checklists and instructions
- aircraft and vehicle identification codes
- client and/or supplier instructions
- emergency procedures

- legislation, regulations and related documentation
- manufacturer specifications for communications equipment
- safety data sheets (SDSs)/material safety data sheets (MSDSs)
- radio communication logs

Unit Mapping Information

This unit replaces and is equivalent to AVIE2005B Conduct radio procedures in the aviation airport environment.

Links

Companion Volume implementation guides are found in VETNet -

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