



Australian Government

AVIZ1005 Maintain basic situational awareness in an aviation workplace

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 required to maintain basic situational awareness in an aviation workplace, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes maintaining basic situational awareness, assessing situations and taking appropriate action, setting priorities and managing work tasks, and working with others in managing situational awareness.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) for flight and ground operations 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.

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 at time of publication.

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

Pre-requisite Unit

Not applicable.

Competency Field

Z – Situational Awareness

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Maintain basic situational awareness

PERFORMANCE CRITERIA

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

- 1.1 Continuous monitoring of all critical factors relevant to the safety and security of an aviation workplace is undertaken
- 1.2 All relevant indications of an unsafe or insecure situation are recognised and appropriate action is taken to alert relevant personnel and/or to take appropriate action
- 1.3 Situational awareness is maintained at all times during workplace activities

2 Assess situations and take appropriate action

- 2.1 Factors that may adversely affect the safety and security of an aviation workplace are identified
- 2.2 Relevant information concerning the safety and security of an aviation workplace is recognised and interpreted, and timely action is taken
- 2.3 Risks to workplace safety and security are recognised and appropriate action is taken to control the risk
- 2.4 Changes to workplace environment and related risks are monitored and managed to ensure a safe outcome to workplace operations
- 2.5 Safe alternative plan of action is formulated and implemented as required in response to changed circumstances and risks

3 Set priorities and manage work tasks

- 3.1 Task priorities are set and workload is organised to ensure completion of all assigned tasks relevant to the safety and security of the workplace
- 3.2 Appropriate tasks are prioritised and implemented to maintain ongoing workplace operations and to achieve workplace objectives
- 3.3 Relevant information is accessed and applied to ensure the safety and security of an aviation workplace when

- completing workplace tasks
- 3.4 Critical safety and essential security workplace tasks are prioritised over routine activities and completed in accordance with workplace procedures, checklists, and legislative and regulatory requirements
- 3.5 Symptoms of fatigue are recognised and appropriate action is taken to reduce its effects
- 4 Work with others in managing situational awareness**
- 4.1 Communications with relevant personnel are undertaken in an effective and efficient manner to achieve situational awareness and to meet all requirements for the safety and security of the workplace
- 4.2 Team members and others in the workplace are encouraged to participate in and contribute to, the safety and security of the workplace
- 4.3 Effective interpersonal skills are used when working with others to maintain awareness, and the safety and security of the workplace
- 4.4 Appropriate action is taken in conjunction with others to cooperatively correct any identified unsafe and/or insecure situations

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.

- Factors that may adversely affect the safety and/or security situation of an aviation workplace must include one or more of the following:
- breaches of security regulations and procedures
 - changes in wind and weather conditions
 - equipment exceeding nominated operating parameters and tolerances
 - equipment or facility breakdown, malfunction or failure
 - moving vehicles and aircraft in the workplace environs
 - persons committing criminal or unlawful acts of interference with aviation

Indications of an unsafe or insecure situation must include one or more of the following:

- poor housekeeping
- safety hazards in the workplace such as rotating equipment and propellers, jet blast, slippery surfaces, exposed electrical leads and connections, and toxic materials
- security threats
- workplace emergency such as a fire, flood, chemical/toxic spill, crash or personnel injury
- deteriorating or faulty equipment or facility performance obtained through routine equipment and facility checks
- emergency sirens and alarms
- equipment exceeding or about to exceed operating parameters and tolerances
- poorly maintained workplace and related facilities
- observation and recognition of a security threat
- observed breaches of security regulations and procedures
- observed rubbish and untidiness in the workplace
- persons acting suspiciously
- recognition of safety hazards in the workplace and/or breaches of safety policies and procedures
- warning signs and visual/audible signals indicating hazards arising from moving vehicles and/or aircraft in the workplace
- weather and other meteorological information that indicates a potential threat to workplace operations and/or personnel in the workplace

Information must include one or more of the following:

- approved workplace checklists
- conditions of service, legislation and industrial agreements including workplace agreements and awards
- emergency procedures
- equipment facility performance specifications/charts
- induction and training materials
- local instructions for the aviation workplace concerned
- operations manuals
- relevant approved aviation publications
- relevant regulations for the aviation workplace concerned
- safety and security policies, procedures and guidelines
- weather and meteorological information, charts, advice and forecasts
- workplace procedures and instructions, and job specifications

Legislative and regulatory requirements must include one or more of the following:

- Civil Aviation Act
- relevant Australian Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders pertaining to the aviation workplace concerned
- relevant Australian Standards

- relevant health, food handling and hygiene legislation
- relevant International Air Transport Association (IATA) regulations
- relevant requirements, standards and recommended practices of the International Civil Aviation Organization (ICAO) for the aviation workplace concerned
- relevant security regulations
- relevant national and state/territory work health and safety (WHS)/occupational health and safety (OHS) legislation
- relevant state/territory environmental protection legislation

Unit Mapping Information

This unit replaces and is equivalent to AVIZ1005B Maintain basic situational awareness in the aviation workplace.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>