



Australian Government

AVIF2020 Employ fatigue risk management practices in an aviation workplace

Release: 1

AVIF2020 Employ fatigue risk management practices in an aviation workplace

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 employ fatigue risk management practices in an aviation workplace, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes recognising signs of personal fatigue, employing fatigue risk management practices to minimise fatigue, and identifying fatigue in others.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) related to safety management 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

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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|---|--|
| 1 Recognise signs of personal fatigue | 1.1 An understanding of personal fatigue and its impact on safety and security in an aviation workplace is developed and applied to day-to-day work

1.2 Contributors to fatigue are recognised and actions are taken to minimise safety implications in an aviation workplace

1.3 Personal fatigue is identified and actions to minimise fatigue are taken in accordance with workplace procedures |
| 2 Employ fatigue risk management practices to minimise fatigue | 2.1 Individual work schedules and rosters are managed to minimise fatigue risks

2.2 Personal fatigue risk management practices are employed to maintain vigilance and alertness, in accordance with workplace procedures

2.3 Factors external to the workplace that cause fatigue are recognised

2.4 Strategies that promote effective long-term management of fatigue are implemented

2.5 Personal fatigue limits are identified and communicated to supervisors in accordance with workplace procedures

2.6 Restrictions on work duty limits are confirmed

2.7 Potential risks of exceeding work duty limits are identified and rectified in accordance with workplace procedures and legislative requirements |
| 3 Identify fatigue in others | 3.1 Work colleagues are monitored for signs of personal fatigue

3.2 Communication techniques and strategies are used to assist work colleagues in identifying and managing fatigue

3.3 Contributions are made to the team to assist in minimising fatigue in others |

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.

- Aviation workplaces must include one or more of the following:
- any work environment in the aviation industry requiring flight or ground safety critical operational judgements to be made:
 - air freight and cargo terminals
 - aircraft operating environments
 - airports, aerodromes and airfields:
 - airside including tarmac and movement areas
 - runways and taxiways
 - terminal areas
 - air traffic service areas
 - aviation maintenance areas
 - aviation security environments
 - flight operations
 - ground operations

Unit Mapping Information

This unit replaces and is equivalent to AVIF2020B Employ fatigue management practices in the aviation workplace

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AVIF2020 Employ fatigue risk management practices in an aviation workplace

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- applying fatigue risk management practices to maintain vigilance and alertness in an aviation workplace
- applying legislative restrictions on work duties to assist in managing fatigue risks
- applying precautions and required actions to minimise and control the effects or eliminate identified fatigue risk hazards
- communicating effectively with others
- determining and correctly managing factors external to an aviation workplace that could have implications on personal fatigue
- identifying and accurately predicting the effect of rosters and scheduled meal breaks on personal fatigue levels
- identifying and determining the effect contributing factors outside the aviation workplace will have on fatigue
- identifying causes of fatigue and implementing strategies to minimise fatigue in an aviation workplace
- implementing strategies to minimise fatigue contributing factors
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- modifying activities and taking appropriate initiatives to manage fatigue in the workplace depending on work contexts, risk situations and environments
- reading, interpreting and following relevant instructions, procedures, regulations, information and signs
- recognising actions or workplace situations that promote fatigue
- using fatigue identification and management techniques to assist work colleagues in identifying and managing fatigue
- using personal checklists to determine the extent and management of fatigue
- utilising fatigue management practices to detect and assist in managing fatigue in work colleagues.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- communication techniques and strategies to assist work colleagues to identify and manage fatigue
- effects of fatigue on workplace performance
- fatigue risk management strategies
- individual responsibilities for fatigue management
- lifestyle choices external to an aviation workplace that affect fatigue
- personal signs of fatigue and possible solutions to minimise fatigue
- relevant codes, regulations and workplace procedures related to fatigue risk management
- relevant WHS/OHS regulations as they relate to fatigue
- security and safety implications of fatigue in an aviation workplace
- signs of fatigue in others in an aviation workplace
- sources of information on fatigue and fatigue risk management.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

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