



Australian Government

Assessment Requirements for AVIF0027 Implement aviation fatigue risk management processes

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.

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 precautions and required actions to minimise and control the effects of fatigue when carrying out own work functions
- applying legislative restrictions on work duties to assist in managing fatigue
- communicating effectively with others
- determining appropriate fatigue risk levels and control methods through effective decision making
- determining and appropriately managing factors external to the workplace that may affect individual fatigue
- identifying and accurately predicting the effects of duty periods and off-duty periods on individual and team/crew fatigue
- identifying controls for treating fatigue risks
- implementing fatigue risk management processes to safely achieve operational objectives
- monitoring and reviewing effectiveness of fatigue risk controls
- reading and comprehending a variety of safety/technical texts
- researching and collecting data to monitor and evaluate risks
- solving problems to appropriately address identified fatigue risks
- writing, editing and proofreading documents to ensure clarity of meaning, accuracy and consistency of information.

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:

- Australian and international aviation fatigue risk management standards
- change management procedures
- communication techniques and strategies to assist team/crew members identify and manage fatigue
- definitions of key terms utilised within fatigue risk management processes

- effects of fatigue on workplace performance
- fatigue hazard causes, including:
 - restricted/split sleep patterns
 - multiple high workload periods across duty cycle
 - multiple sectors
 - high density airspace
 - long/extended duty cycles
 - extended wakefulness
 - circadian disruptions
 - circadian drift
 - individual workload:
 - physiological human factors
 - psychological human factors
- fatigue hazard identification procedures, including:
 - predictive
 - proactive
 - reactive
- fatigue risk likelihood
- fatigue risk assessment and analysis techniques and tools
- fatigue risk management processes within a safety management system (SMS)
- fatigue consequences
- fatigue risk control measures
- key provisions of relevant national and state/territory legislation, regulations, codes of practice, and workplace procedures related to fatigue risk management, such as:
 - Civil Aviation Orders
 - Defence Orders, Instructions and Publications
- work health and safety (WHS) procedures
- workplace standards, including current Australian Standard (AS)/New Zealand Standard (NZS) International Standard Organization (ISO) risk management standard safety promotion procedures
- security and safety implications of fatigue in the aviation workplace
- signs of fatigue in others in the aviation workplace
- sources of information on fatigue and fatigue management.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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

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.

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 and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>