



Australian Government

Assessment Requirements for AVIN0001 Command an aircraft in a multi-crew 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.

Performance Evidence

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

- allocating sufficient resources and time to complete workload
- applying relevant aeronautical knowledge
- breaking down tasks and establishing courses of action to accomplish specified goals
- collecting information and identifying key issues and relationships relative to achieving determined roles
- conducting briefings to share common plan and to set priorities
- correcting flight crew member deviations from standards
- encouraging monitoring of performance by other flight crew members
- ensuring flight crew members are aware of their role and responsibilities throughout a flight
- ensuring responsibility for flight path management is always assigned
- establishing an atmosphere to encourage open communications
- identifying and managing threats and errors
- identifying and managing undesired aircraft states
- identifying when flight crew members become ineffective or incapacitated
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- maintaining flight crew member motivation and commitment to task
- maintaining patience and focus when processing large amounts of data or multiple tasks
- managing flight deck gradient relative to task
- managing time and resources to ensure work is completed safely and effectively
- monitoring outcomes and evaluating own performance
- monitoring effectiveness of flight crew performance
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- setting realistic performance standards
- taking action to resolve flight crew member confusion.

Knowledge Evidence

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

- aircraft instrument requirements
- aircraft loading system
- aircraft performance and landing calculations
- aircraft speed limitations
- aircraft systems
- applicability of drug and alcohol regulations
- classification of operations
- cockpit management:
 - flight crew coordination:
 - distribution of responsibilities
 - working with a flight crew concept
 - flight crew cooperation:
 - small group dynamics (norms, atmosphere, pressure, communication, structure)
 - conflict management
 - leadership, style of management:
 - concern for performance
 - concern for people
 - democratic versus autocratic style
 - encouraging inputs and feedback
 - optimising flight crew performance in flight
 - correcting flight crew coordination deficiencies
 - communication:
 - verbal and non-verbal communication
 - one and two-way communication
 - effects of different communication styles
 - miscommunication (including cultural misunderstandings)
- effective decision-making processes:
 - identify problems and causal factors
 - assess component parts systematically and logically
 - employ analytical techniques to identify solutions and to consider the value and implications of each
 - generate solutions and/or alternative courses of action
 - assess alternative solutions and risks with other flight crew members
 - determine course of action
 - communicate decision and delegate tasks to flight crew

- monitor progress against agreed plan
- evaluate decisions in line with changing circumstances
- ensure decision-making is improvement-focused and directed towards achieving optimum outcomes
- emergency equipment requirements
- flight and duty time limits
- flight rules (specific to aircraft type)
 - documentation
 - aircraft nationality and registration
 - airworthiness of aircraft
 - personnel licencing
 - rules of the air
 - procedures for air navigation
 - air traffic services
 - aeronautical information service
 - aerodromes
 - facilitation
 - search and rescue
 - security
 - aircraft accidents and incidents – pilot in command (PIC) responsibilities
 - air service operations
- fuel planning and oil requirements for the flight
- judgement and decision-making:
 - pilot judgement concepts
 - types of judgement
 - motor skills and human factors
 - aeronautical decision-making:
 - decision-making concepts
 - pilot responsibilities
 - behavioural aspects
 - identification of hazardous attitudes:
 - physical factors
 - psychological factors
 - social influences and interface between people
 - pilot judgement awareness:
 - risk assessment
 - cockpit stress management
 - applying decision-making concepts:
 - practical application
 - managing resources

- safety awareness
- maintenance authorisations
- managing cargo and passengers
- privileges and limitations of the multi-crew or air transport pilot licence with aeroplane/helicopter category rating
- requirements for an Air Operator Certificate (AOC)
- requirements for aerodromes
- type of information contained in an operations manual.

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.

Links

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