Australian Government

Assessment Requirements for AVIZ0002 Maintain and manage situational awareness as pilot in command

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:

- accepting responsibility for own performance
- advising pilot flying of deviations from planned operations
- analysing aircraft systems and flight environment information to identify actual and potential threats or errors
- applying relevant aeronautical knowledge
- avoiding fixation on a single task or function
- being assertive
- clarifying problems and making effective decisions
- communicating effectively with others
- cross-checking actions of other flight crew members
- interacting with and delegating tasks to flight crew members
- implementing work health and safety (WHS) procedures and relevant regulations
- maintaining compliance with WHS requirements
- maintaining radio listening watch
- making effective decisions
- managing a flight crew incapacitation event in accordance with published procedures
- monitoring flight path, aircraft configuration and systems to achieve desired performance using a systematic scan technique
- operating electronic equipment, including communications equipment, to required protocols
- prioritising tasks to achieve safe flight performance
- promptly identifying, reporting and rectifying problems
- responding appropriately to cultural differences in the workplace
- selecting and using appropriate instruments, displays, communications equipment and aids
- taking initiative and responding to changing situations
- using visual systematic scanning technique with required attention to detail
- using flight radio and inter-crew communications
- using traffic information to establish and maintain situational awareness
- utilising available resources to collect flight environment information and to modify planned operations as required.

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:

- Civil Aviation Safety Regulation (CASR) Part 61 Manual of Standards (MOS) Aeronautical Knowledge relevant to the role of pilot in command (PIC)
- cockpit management, including:
  - crew coordination:
    - distribution of responsibilities
    - working with a crew concept
  - crew cooperation:
    - small group dynamics (norms, atmosphere, pressure, communication and structure)
    - conflict management
  - leadership styles of management, including:
    - concern for performance
    - concern for people
    - democratic versus autocratic style
    - encouraging inputs and feedback
    - optimising flight crew performance in flight
    - correcting crew coordination deficiencies
  - communication, including:
    - verbal and non-verbal communication
    - one and two-way communication
    - effects of different communication styles
    - miscommunication (including cultural misunderstandings)
- effective decision-making processes, including:
  - identifying problems and causal factors
  - assessing component parts systematically and logically
  - employing analytical techniques to identify solutions and considering the value and implications of each
  - generating solutions and/or alternative courses of action
  - assessing alternative solutions and risks with other flight crew members
  - determining course of action
  - communicating decisions and delegating tasks to flight crew
  - monitoring progress against agreed plan
  - evaluating decisions in line with changing circumstances
  - ensuring decision-making is improvement-focused and directed towards achieving optimum outcomes
- fatigue risk management processes, including:
  - proactive

    - predictive
    - reactive
- hazard identification, risk analysis and control
- human performance and its limitations, including the senses, memory and situational awareness
- judgement and decision making, including:
    - 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
- relevant problems that may occur and actions to overcome them
- procedures for maintaining situational awareness
- procedures for transferring aircraft control between flight crew members
- standard radiotelephony phraseology
- systematic scanning techniques
- task allocation and management
- threat and error management (TEM) principles
- use of navigational computers and equipment
- workload, stress and time pressure 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 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