



Australian Government

AVIM0005 Facilitate non-technical skills instruction

Release: 1

AVIM0005 Facilitate non-technical skills instruction

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 facilitate non-technical skills instruction in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

Use of this unit outside of aviation training and assessment environments is to be in accordance with relevant regulatory authority requirements and industry standards.

It includes instructing effective lookout procedures, situational awareness techniques, and effective situational awareness and decision making. It also includes instruction of task priority and management, and effective communications and teamwork.

This unit addresses aviation non-technical skill instructional requirements (mental, social, and personal-management abilities) for training personnel that complement the technical skills of the individual and contributes to safe and effective performance in operational environments.

Non-technical skills instruction is conducted as part of recreational, commercial and/or military aviation training 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 and without supervision within a multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Pre-requisite Unit

Not applicable.

Competency Field

M – Training and Assessment

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 Instruct effective lookout procedures | 1.1 Systematic visual scan techniques at a rate determined by traffic density, visibility and terrain are demonstrated and monitored |
| | 1.2 Radio listening watch procedures are demonstrated and monitored, including interpreting transmissions to determine traffic location and intentions |
| | 1.3 Airspace clearance procedures are demonstrated and monitored |
| 2 Instruct situational awareness techniques | 2.1 Perception of the elements in the environment within a volume of time and space, the comprehension of their meaning and the projection of the status in the near future are described |
| | 2.2 Methods to monitor, gather and interpret appropriate information from both inside and outside the aircraft are demonstrated |
| | 2.3 Methods to maintain or regain situational awareness using flight control instruments and systems are demonstrated |
| 3 Instruct effective situational awareness and decision making | 3.1 Methods of receiving and processing situational awareness information are demonstrated and monitored |
| | 3.2 The conversion of information for use within current or future situations is demonstrated and monitored |
| | 3.3 The generation of decision options are demonstrated, directed and monitored |
| | 3.4 The analysis of decision options is demonstrated, directed and monitored |
| | 3.5 The decision outcome is demonstrated and communicated |
| | 3.6 Evaluation of the decision is demonstrated and monitored for effectiveness |
| 4 Instruct task priority | 4.1 Task prioritisation is demonstrated, directed and |

and management		monitored
5 Instruct effective communications and teamwork	4.2	Effective task management is demonstrated and monitored
	5.1	Verbal communications are demonstrated, directed and monitored using appropriate levels of language proficiency
	5.2	Learner interactions are monitored to assess effectiveness of communication techniques and styles
	5.3	Questioning techniques are applied to confirm learner understanding
	5.4	Responses are sought and provided to others in a timely manner
	5.5	Information received is clarified/confirmed, interpreted and accurately communicated or reported with due observation of ethics and protocols required of the operational environment
	5.6	Communication is undertaken in varying situations with culturally diverse, familiar and unfamiliar individuals, teams and crew
	5.7	Appropriate protocols and procedures are followed when using communications systems during routine and contingency aviation operations

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.

Unit Mapping Information

No equivalent unit.

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>

Assessment Requirements for AVIM0005 Facilitate non-technical skills instruction

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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:

- accepting responsibility for own instructional performance
- applying relevant knowledge of instructional methods and techniques
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting relevant instructions, regulations, procedures and other information
- instructional methods to manage contingency operations:
 - abnormal situations
 - emergency conditions
- methods of monitoring flight path, aircraft configuration and systems to achieve desired performance using systematic scan techniques
- selecting and using appropriate instruments, displays, communications equipment and aids to support non-technical skills instruction
- using appropriate normal, abnormal and emergency aviation terminology.

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:

- assessment principles, including:
 - validity
 - reliability
 - flexibility
 - fairness
- decision processes, including:
 - receiving information
 - converting information into reality
 - generating options
 - analysing options

- making decisions
- definitions, including:
 - airmanship
 - airspace cleared procedure
 - behavioural markers
 - error
 - flight environment
 - formative assessment
 - human factors
 - judgement
 - leadership
 - manage/management
 - non-technical skills
 - safe/safety/safely
 - safest outcome
 - situation awareness
 - stakeholder
 - standard operating procedure (SOP)
 - stress/stressors
 - summative assessment
 - technical skills
 - threat
 - threat and error management
 - undesired aircraft state
 - violation
- dimensions of competency, including:
 - task skills
 - management and contingency skills
 - role skills
 - transfer skills
- human factors that adversely affect communications, including:
 - poor tone or phrasing of communications
 - lack of openness
 - poor reaction to criticism
 - aggressiveness or lack of assertion
 - unwillingness to listen
 - disrespect for others
 - arrogance
 - incorrect use of authority
- human factors that adversely affect task management, including:

- lack of preparation - confusion and disorganisation
- fatigue - poor decision making and errors
- discomfort - distraction and fatigue
- stress - inefficiency and distraction
- arousal - increased or decreased work cycles
- distraction - diverted attention and lack of concentration
- non-use of system automation - increased work
- destination or task obsession - poor decision making and desire to 'press on'
- bad health - decreased physical and psychological performance
- overload - fixation, tunnel vision and broken work cycles
- human performance limitations, including physiological, psychological and ergonomic aspects:
 - fatigue
 - illusion
 - drug and alcohol management
 - general health
 - knowledge of the functions of the eyes and ears
- indicators of human factor deficiencies, including:
 - poor lookout
 - poor situation awareness
 - poor decision making
 - lack of task organisation
 - insufficient communication
 - failure to recognise threats to safety
 - commission of errors
- limitations that affect information processing and decision making, including:
 - time constraints
 - mental overload
 - task mismanagement
 - conflicting information
 - expectations and anticipation
 - fatigue
 - insufficient knowledge
 - forgetting requirements or information
 - emotional state
 - confirmation bias (ignoring information that does not support the decision)
 - personality traits
 - failure to seek or apply feedback
 - stress
 - fixation and destination obsession

- principles of evidence assessment, including:
 - validity
 - authenticity
 - sufficiency
 - currency
- principles of prioritisation and task 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 other simulations
- acceptable means of simulated 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

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