



Australian Government

Assessment Requirements for AVIM5001 Operate a simulator

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 fine physical motor skills
- communicating safety and emergency procedures
- communicating simulation sickness effects
- completing administrative tasks and functions related to simulator operations:
 - simulation activity planning
 - participant performance records and reports
 - simulation safety briefs
 - participant briefings/debriefings
- conducting briefings and debriefings
- coordinating activities that involve a range of simple and/or complex tasks
- coordinating information communication technology related activities
- creating and storing documents using information communication technology
- identifying and rectifying abnormal/unusual simulator conditions:
 - participant simulation sickness
 - equipment malfunction/failure
 - smoke or overheat warnings
 - emergency communication
 - loading stops
 - motion stops
 - hardware malfunction/failure
 - software malfunction/failure
 - poor/unusual participant performance
 - personnel equipment malfunction/failure
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- implementing simulation activity variations:
 - adapting scenarios/activities based on participant feedback and/or performance
 - modifying hardware configurations
- modifying software settings

- manipulating, saving and storing simulation data in accordance with workplace procedures
- monitoring and addressing abnormal/unusual conditions
- reading, comprehending and interpreting written technical English
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- recording simulator faults
- refurbishing/maintaining simulator equipment and operating systems in accordance with workplace procedures
- selecting and employing simulation equipment.

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:

- abnormal conditions, including hardware, software and equipment malfunction/failure and poor/unusual participant performance
- application of simulation and synthetic activities including live, virtual and constructive (LVC) simulations
- basic database management
- basic briefing and debriefing techniques
 - simulator safety
 - simulation event review
- documentation production and safe storage
- effects of simulation sickness:
 - nausea subscale:
 - increased salivation
 - sweating
 - nausea
 - stomach awareness
 - burping
 - oculomotor subscale:
 - fatigue
 - headache
 - eyestrain
 - difficulty focusing
 - disorientation subscale:
 - vertigo
 - dizzy (eyes open)

- dizzy (eyes closed)
 - blurred vision
- established procedures applicable to simulation operations
- functions of single-user, multi-user and distributed user operating systems
- identification of signs/symptoms and methods of rectifying abnormal/unusual simulator conditions:
 - participant simulation sickness
 - equipment malfunction/failure
 - smoke or overheat warnings
 - emergency communication
 - loading stops
 - motion stops
 - hardware malfunction/failure
 - software malfunction/failure
 - poor/unusual participant performance
 - personnel equipment malfunction/failure
 - relevant WHS/OHS and environmental procedures and regulations applicable to simulation operations and personnel safety/individual safety considerations
 - safety briefings
 - access and egress procedures
 - reporting and recording simulation WHS issues
- information communications technology in the simulation and synthetic learning environment
- simulation activity variations:
 - adapting scenarios/activities based on participant feedback and/or performance
 - modifying hardware configurations
 - modifying software settings.

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>